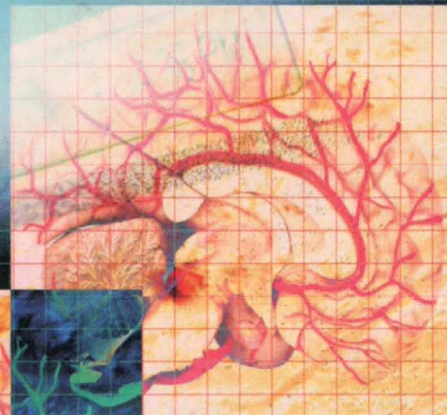
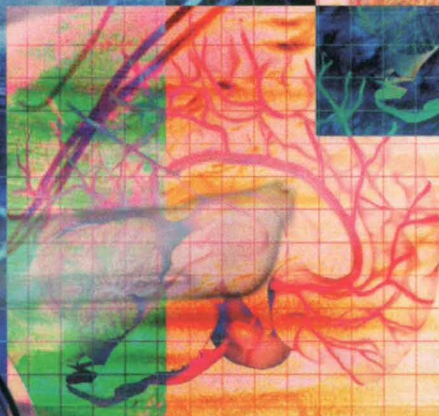
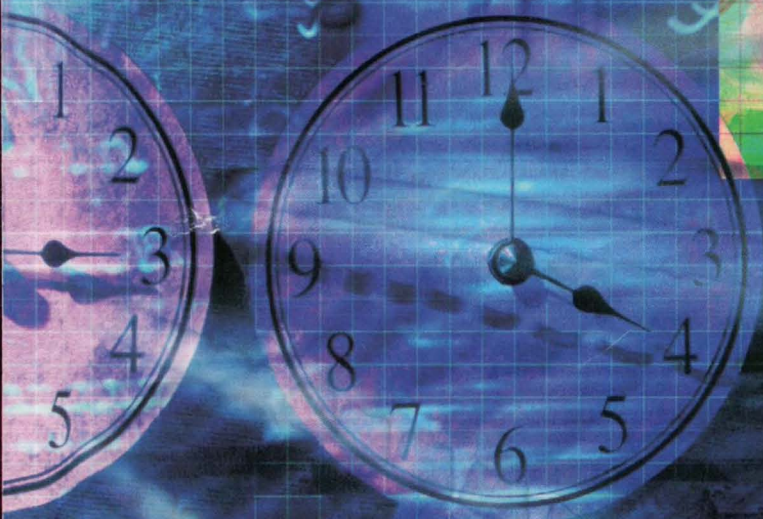


2004-2006 Catalog



MOUNTAIN VIEW

COLLEGE



PART OF THE DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

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—Beginning College—

1. Apply to be admitted to the college.

Complete an application for admission. Applying early is a good idea. Your place in registration is determined by the date you apply. An early start also ensures you have plenty of time to visit with an advisor to plan your course schedule. There are several convenient ways to get an application and apply:

- Come by the campus and fill out your application in person.
- Get your application by mail. Just call, toll-free, metro 817-COLLEGE and we'll send you an application and other information you would like about the college.
- Apply on-line at our website at www.mvc.dcccd.edu

2. See your Mountain View College advisor.

After you are admitted to college, you must attend an orientation session. Please contact the Advisement/Counseling Center Monday-Friday, 8:30 a.m.-5:00 p.m. at 214-860-8859 and after hours 214-860-8606 to schedule a session. After orientation, you should contact the Assessment/Testing Center to schedule your assessment. After your assessment is completed, you will visit with your academic advisor to select your courses.

3. Register for classes.

You may register for classes by:

- In-person registration during early and regular registration times. Regular registration occurs the week before classes begin.
- By telephone--telephone registration is easy and convenient.
- Or register online through our website at eConnect.dcccd.edu.

There are certain qualifications you must meet to register by telephone or online. Please contact the Advisement/Counseling Center at 214-860-8859 to find out if you meet the qualifications.



2004-06 Catalog



We are glad you decided to take a look at what Mountain View College has to offer you. Our goal is to serve Dallas County with excellent learning opportunities that are accessible, affordable and accredited. We've been serving learners like you since 1970, teaching you what you need to know to be successful at work, at home, and at play. That's what we're all about.

You are invited to visit the Mountain View College campus:

4849 West Illinois Avenue

Dallas, Texas 75211

Telephone 214-860-8680

This catalog contains policy regulations and procedures in existence at the time this publication went to press. The District Colleges reserve the right to make changes at any time to reflect current Board policies, administrative regulations and procedures and applicable state and federal regulations. This catalog is for information purposes and does not constitute a contract, express or implied, between any applicant, student or faculty member and Dallas County Community College District.

Mountain View College is accredited by the Commission of Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; telephone number 404-679-4501) to award the associate degree.

Educational opportunities are offered by Mountain View College without regard to race, color, age, national origin, religion, sex, disability or sexual orientation.

Please Note:

**This printed
catalog is
produced for your
convenience.**

**However the
official catalog is
available online
at:**

www.mvc.dcccd.edu

**along with other
important
information about
the college.**

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Chart of Programs Offered at Mountain View

Accounting
Aviation Technology
Biotechnology
Business Administration
Computer-Aided Design & Drafting
Computer Information Technology
Criminal Justice
Electronic Commerce
Electronics Technology
Geographic Information Systems Technology
Health Information Management
Management
Marketing Careers
Medical Assisting
Office Technology
Welding Technology

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— Academic Calendar —

Mini-semesters, flexible-entry classes and other alternative schedules, along with their final exam dates, may be offered between or during regular semesters by some of the Dallas County Community Colleges. Please contact individual colleges or go online to www.dcccd.edu for updated class and registration schedules.

Fall Semester, 2004

Note: Students should register as early as possible. By registering early, students may take full advantage of academic advisement and may have more course options available. Check the class schedule or website for registration times.

August 16 (M)	Faculty reports
August 23 (M)	Classes begin
September 4 (S)	12th class day
September 6 (M)	Labor Day holiday
November 11 (R)	Last day to withdraw with a grade of "W"
November 25 (R)	Thanksgiving holidays begin
November 29 (M)	Classes resume
December 6-9 (M-R)	Final exams
December 9 (R)	Semester closes
December 13 (M)	Grades due in Registrar's Office by 10 a.m.
December 23 (R)	College buildings and offices close for the holidays at end of workday

Winter Term, 2004/2005

Note: Contact colleges for availability and schedules.

Spring Semester, 2005

Note: Students should register as early as possible. By registering early, students may take full advantage of academic advisement and may have more course options available. Check the colleges for registration times.

January 3 (M)	College buildings and offices open
January 10 (M)	Faculty reports
January 17 (M)	Martin Luther King, Jr. Day holiday
January 18 (T)	Classes begin
January 31 (M)	12th class day
February 17 (R)	District Conference Day, faculty and administrators
February 18 (F)	Faculty professional development (TCCTA)
March 14 (M)	Spring Break begins
March 17 (R)	District Conference Day, professional support staff
March 18 (F)	Spring holiday for all employees
March 21 (M)	Classes resume

Spring Semester, 2005 (continued)

March 25 (F)	Holiday begins
March 28 (M)	Classes resume
April 14 (R)	Last day to withdraw with a grade of "W"
May 9-12 (M-R)	Final exams
May 12 (R)	Semester ends
May 12 (R)	Graduation
May 16 (M)	Grades due in Registrar's Office by 10 a.m.

May Term, 2005

Note: Contact colleges for availability and schedules.

Summer Sessions, 2005*

Note: Students should register as early as possible. By registering early, students may take full advantage of academic advisement and may have more course options available. Check with your college or its website for registration times and dates.

First Summer Session Please see asterisk note below.
(Based on a 4-day class week plus first Friday)*

May 30 (M)	Memorial Day holiday
June 6 (M)	Classes begin
June 9 (R)	4th class day
June 10 (F)	Class day (1st Friday class meeting)
June 28 (W)	Last day to withdraw with a grade of "W"
July 4 (M)	Fourth of July holiday
July 7 (R)	Final exams
July 7 (R)	Session I ends
July 11 (M)	Grades due in Registrar's Office by 10 a.m.

Second Summer Session Please see asterisk note below.
(Based on 4 day class week plus first and second Friday)*

July 12 (T)	Classes begin
July 15 (F)	Class day (1st Friday class meeting)
July 15 (F)	4th class day
August 3 (W)	Last day to withdraw with a grade of "W"
August 11 (R)	Final exams
August 11 (R)	Session II ends
August 15 (M)	Grades due in Registrar's Office by 10 a.m.

*** Summer Sessions, 2005 - DCCCD Colleges' summer sessions can vary.
Please see your college's class schedule or its website for updated times, dates and locations**

MOUNTAIN VIEW COLLEGE

Dallas County Community College District Statement of Purpose

The purpose of the Dallas County Community College District is to equip students for successful living and responsible citizenship in a rapidly changing local, national and world community. The District does this by providing accessible, accredited, affordable, cost-effective, quality educational opportunities for development of intellectual skills, job skills, personal growth, and/or transfer to a baccalaureate program. In fulfilling our purpose, the District furthers cultural, economic and workforce development in the communities served. In all our efforts, the District strives to meet the needs and exceed the expectations of those the District serves.

Vision Statement

Mountain View College will exceed the expectations of its communities to become the best community college in the region.

Values

- Quality
- Success
- Access
- Community
- Integrity

Mountain View College Mission Statement

Mountain View College is a comprehensive community college dedicated to delivering excellence in education and encouraging intellectual and personal growth. More specifically, Mountain View College provides:

- Technical programs leading to associate degrees or certificates.
- Vocational programs leading directly to employment in semi-skilled and skilled occupations.
- Freshman and sophomore courses in arts and sciences.
- Continuing adult education programs for occupational or cultural upgrading.
- Compensatory education programs designed to fulfill the commitment of an admissions policy allowing the enrollment of disadvantaged students.
- A continuing program of counseling and guidance designed to assist students in achieving their individual educational goals.
- Workforce development programs to meet local and statewide needs.
- Adult literacy and other basic skills programs for adults.
- Administrative and Support Services that ensure student and employee satisfaction and success.

- Other purposes as may be prescribed by the Texas Higher Education Coordinating Board or the District's Board in the best interest of post-secondary education in Texas.

Mountain View College Goals

1. *Career Preparation*

MVC students will obtain the knowledge, skills, and services needed to succeed in jobs and careers that meet the area workforce needs.

2. *Transfer Preparation*

MVC students will obtain the freshman and sophomore level knowledge, skills, and services needed to succeed in earning a baccalaureate degree.

3. *Continuing Education*

MVC students will obtain quality continuing education to enrich their lives personally, socially, and culturally and to upgrade occupational and job skills.

4. *Basic Skills*

MVC students will acquire basic literacy skills and developmental education to live more functionally and become ready to participate successfully in college-level curricula.

5. *Access*

MVC student body will reflect the diversity and size of the service area.

6. *Economic Development*

MVC in partnership with business, industry, and governmental entities prepares a quality workforce to enhance economic development.

7. *Citizenship*

MVC students will acquire the knowledge and skills needed to succeed in and contribute to a global community, to understand the value of lifelong learning, and to exercise their rights and responsibilities as citizens.

8. *Distance Learning*

MVC will use existing and emerging telecommunication technologies to provide convenient and flexible access to accredited and lifelong learning opportunities to students and workforces.

9. *Human Resources*

MVC is committed to ensuring that its workforce is diverse, continuously trained, multi-skilled, adaptable, and empowered.

10. *Continuous Improvement*

MVC will ensure continuous process evaluation and improvement of educational programs and administrative processes and decision-making.

11. *Financial Resources*

MVC will possess sufficient financial resources to support current and future programs and services.

12. *Administrative and Student Support Services*

MVC will provide effective administrative and support services that ensure student and employee satisfaction and success.

History

Since beginning in 1970, as the second of seven Dallas County Community College District campuses, Mountain View College has continued to serve as the center of learning for thousands of people in southwestern Dallas County including Oak Cliff, Duncanville, Cedar Hill, and parts of Grand Prairie. Mountain View meets a broad range of educational needs by providing a variety of academic, technical, cultural, and recreational programs.

Currently, Mountain View College is one of the few Hispanic Serving Institutions in the Dallas/Fort Worth area. As certified through the Department of Education, more than 25 percent of the campus's undergraduate full-time equivalent (FTE) students are Hispanic and not less than 50 percent of that population are low-income individuals.

Programs

Mountain View offers associate degrees in arts and sciences which meet freshmen and sophomore course requirements for a bachelor's degree at four-year colleges and universities. Additionally, Mountain View provides technical and occupational degrees and certificates for individuals entering the workforce. The college also offers hundreds of continuing education courses for students of all ages to enrich their lives through workshops, seminars and short-term classes in pursuit of cultural awareness, leisure-time activities, and personal and professional growth.

Mountain View addresses the educational needs of business and industry through its Contract Training Services Office. Seminars, workshops, and courses are tailored to a company's requirements, either on campus or at the workplace. Training can be provided at a time that is convenient for employees, in either a credit or non-credit format.

Mountain View also offers the following:

- Honors courses and an Honors Scholar Program;
- Emeritus Program for the mature adult;
- FIRST (Futures in Research, Science and Technology) Academy to new students interested in careers in science, engineering and technology;
- Tomorrow's COPS Academy to support academic and career pursuits of students interested in law enforcement careers;
- Teacher Training Academy (TTA) for prospective teachers interested in a support program that adds continuity and depth to the teacher education process;
- TRIO/FOCUS provides first generation college students, low-income students and students with disabilities with a comprehensive college experience through informational workshops designed to improve study skills and promote awareness of career and educational opportunities while preparing students to transfer to four-year colleges and universities;

- Math, Science and Technology Gateway Center, funded by Title V, a computer-supported facility designed to strengthen mathematics teaching and access to science and technology career pathways;
- Student Programs and Resources to enhance the total college experience with numerous student clubs and organizations, performing arts presentations, vocal and instrumental concerts, art exhibits, lecture series, intramural sports, and many other opportunities for cultural and recreational experiences.

Accreditation

Mountain View College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award the associate degree.

Institutional Membership

Other institutional memberships include American Association of Community Colleges, American College Health Association, Association for Career & Technology Education, American Health Information Management Association (AHIMA), Cedar Hill Chamber of Commerce, COMBASE, Community College Humanities Association, Continuous Quality Improvement Network (CQIN), Council for Higher Education Accreditation, Council for Resource Development (CRD), Dallas Black Chamber of Commerce, Duncanville Chamber of Commerce, French-American Chamber of Commerce, Grand Prairie Chamber of Commerce, Greater Dallas Asian American Chamber of Commerce, Dallas Hispanic Chamber of Commerce, Hispanic Association of Colleges and Universities (HACU), National Association of Colleges and Employers (NACE), National Community College Hispanic Council (NCCHC), National Council of Instructional Administrators, National Council for Marketing and Public Relations (NCMPR), National Intercollegiate Flying Association, National Junior College Athletic Association, NISOD - The University of Texas at Austin, National Social Science Association (NSSA), North Texas Chapter of National Coalition Building Institute, International (NCBI), Oak Cliff Lions Club, Oak Cliff Chamber of Commerce, Southern Association of Community Junior and Technical Colleges (SACJTC), Southern Association of Colleges & Schools, Texas Association of Community College Trustees and Administrators, Texas Administrators of Continuing Education for Community/Junior Colleges (TACE/JC), Texas Association of Chicanos in Higher Education (TACHE), Texas Association of Student Financial Aid Administrators (TASFAA), Texas Associate for College Admissions Counseling, Texas Community College Teachers Association, Texas Council for the Humanities, and University Aviation Association.

MOUNTAIN VIEW COLLEGE ADMINISTRATION

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Eastern Kentucky Univ., B.S., M.S.; Univ. of North Texas, Ph.D.	
Knott, Allan	Director, Facilities Services
University of Iowa, A.A.	
Laughlin, Mary	Government
Southern Methodist Univ., B.A., M.P.A.	
Legg, Larry	Biology
Univ. of Southern Mississippi, B.S.; Northwestern Louisiana State Univ., M.S.; Texas A&M Univ. at Commerce, Ed.D.	
Lovelace, Curtis	Electronics
Mountain View College, A.A.S.; Studies: Univ. of Texas at Arlington	
Martinez, Sylvia	Developmental Reading
Univ. of Puerto Rico, B.A.; Univ. of Texas, Arlington, M.A.	
Means, Richard L.	History
Henderson State Teachers College, B.A.; Univ. of Arkansas, M.A.	
Mikelk, Terry	Computer Science
U.S.M.A. West Point, B.S.; Univ. of Texas, Dallas, M.S.	
Mingo, Dana	Director, Financial Aid
Eastfield College, A.A.S.; Our Lady of the Lake Univ., B.A.	
Moreland, Debbie	Philosophy
Dallas Baptist Univ., B.A.S.; M.L.A.	
Mount, George	Psychology
Univ. of Texas, Arlington, B.A.; Univ. of North Texas, Ph.D.	
Olesen, Spencer	Developmental Writing/English
Stephen F. Austin State Univ., B.A.; Texas A&M Univ.-Commerce, M.Ed.	
Oliver, Gwendolyn L.	Library Director
Texas Woman's Univ., B.A.; Univ. of North Texas, M.L.S.; Nova Univ., Ed.D.	
Ortega, Diana L.	Office Careers
Univ. of New Mexico, B.S.	
Osagie, Linda F.	Assistant Director, Enrollment Management/Registrar
Brookhaven College, A.A.S.; Univ. of North Texas, B.A.	
Osborne, Reginald	College Director, Athletics & Recreational Programs
Mountain View College, A.A.S.; Amber Univ., B.A.	
Oxsheer, Billy W.	Sociology
Texas Christian Univ., B.A., M.A.	
Parra, Richard	Aviation
Texas Tech Univ., B.B.A., M.A.; Univ. of North Texas, M.S.; State of Texas .. L.P.C.; F.A.A. Commercial Pilot and Flight Instructor, Single-Multi-Engine, Instrument, Land. Ground Instructor, Basic, Advanced, Instrument	
Payne, John	Aviation
Univ. of Texas, Arlington, B.B.A.; Texas A&M Commerce, M.B.A.; Univ. of North Texas, Ph.D.; F.A.A. Airline Transport Pilot; Single and Multi-Engine, Basic, Advanced and Instrument Ground Instructor	
Pool, Larry	History/Government
Stephen F. Austin State Univ., B.S., M.A.	
Price, Clark	Director, College Police
Univ. of Montana, B.A.	
Pruitt, John R.	Executive Dean, Student Support Services
New Mexico State Univ., B.S., M.A.T.; Univ. of New Mexico, Ed.D.	
Ranjbaran, Kumars	Developmental Mathematics
Univ. of Texas, Arlington, B.S., M.S.	
Robinson, Wilma W.	Developmental Reading/Writing
Savannah State College, B.S.; Texas A&M Univ. at Commerce, M.S.	
Rodgers, Samuel A.	Mathematics
Univ. of North Texas, B.A., M.S.; Univ. of Kentucky, Ph.D.	
Roy, Dwayne	Welding
Studies: Oscar Rose Junior College, Eastfield College	
Salter, M. Jo	Counselor
Southwestern Univ., B.A.; Texas A&M Univ. at Commerce, M.S.	
Sayers, Lew C.	Developmental Writing/English
Dartmouth College, B.A.; Reed College, M.A.T.	
Schutte, David P.	Economics
Univ. of California, B.A.; Univ. of Texas at Dallas, M.S.; Univ. of Minnesota, Ph.D.	
Silva, Margaret	Science/Physical Education
Mountain View College, A.A.S.; Univ. of Texas, Arlington, B.A.; Texas Woman's Univ., M.S.	
Singleton, Emma	Office Careers
Texas Southern Univ., B.S., M.B.Ed.	
Sink, D. Michael	English
Ball State Univ., B.S., M.A.; Auburn Univ., Ed.D.	
Sokhansanj, Shahnaz	Physics
Pars College, Tehran, B.S.; Michigan State Univ., M.S.	
Soyars, Tim	Director, Business Services
Angelo State Univ., B.B.A.	
Strain, Jimmie F.	Government/History
Univ. of Texas, Austin, B.S.; East Texas State Univ., M.A.; Southern Methodist Univ., M.L.A.	
Sutton, Debbie	Biology
Univ. of Alabama, B.A.; Texas Wesleyan Univ., M.S.	
Tarpley, Joyce K.	Developmental Writing/English
Rutgers Univ., B.A.; Univ. of Texas, Dallas, M.A.	
Terry, Joanne	Psychology
Texas Lutheran College, B.S.; Texas Tech Univ., M.A.	
Thompson, Darrell H.	Management
Sam Houston State Univ., B.B.A., M.B.A.	
Tydlaska, Michael, J.	Accounting
Univ. of Texas at Austin, B.B.A.; Univ. of Texas at Dallas, M.S.	
Wickersham, Charles H.	Developmental Mathematics
Kilgore College, A.A.; Univ. of North Texas, B.B.A.; Texas A&M Univ. at Commerce, M.S.	
Williams, Michelle	Developmental Writing
Paine College, B.A.; Texas A&M, Commerce, M.S.	
Wolfe, David J.	Photography/Mass Media
Southern Methodist Univ., B.A.; Univ. of California, Los Angeles, M.A.	
Wright, Quentin	Speech
Angelo State University, B.A., M.A.	
Zamora, Felix A.	President
School for International Training, B.A.; Southern Methodist University, M.A.	
Zouyousefain, Mohammad	Mathematics
Tehran Business College, B.S.; Univ. of Texas, Dallas, M.S.; Univ. of Texas, Arlington, Ph.D.	

General Information

Accreditation

Each of the Dallas County Community College District's seven colleges - Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland - is individually accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404.679.4501) to award the associate degree. The official statement of accreditation for each college is published in that college's individual catalog.

Guarantee for Job Competency

The college makes certain guarantees to its students who earn its Associate in Applied Sciences degree or who complete a certificate program. If an Associate in Applied Sciences or Certificate Program graduate is judged by his or her employer to be lacking in technical job skills identified as exit competencies for his or her specific degree or certificate program, the graduate will be provided up to nine tuition-free hours of additional skill training by the college under the conditions of the guarantee policy.

Special conditions, which apply to the guarantee, are as follows:

- The graduate must have earned the Associate in Applied Sciences Degree or completed the certificate program beginning May 1992, or thereafter in a Technical program identified in the college catalog.
- The graduate must have completed this degree or certificate program in the DCCCD (with a majority of the credits being earned at the college) and must have completed the degree or certificate within a four-year time span.
- Graduates must be employed full-time in an area directly related to the area of program concentration as certified by the Vice President of Instruction.



- Employment must commence within 12 months of graduation.
- The employer must certify in writing that the employee is lacking entry-level skills identified by the college as the employee's program competencies and must specify the areas of deficiency within 90 days of the graduate's initial employment.
 - The employer, graduate, division dean, job placement, counselor, and appropriate faculty member will develop a written educational plan for retraining.
 - Retraining will be limited to nine credit hours related to the identified skill deficiency and to those classes

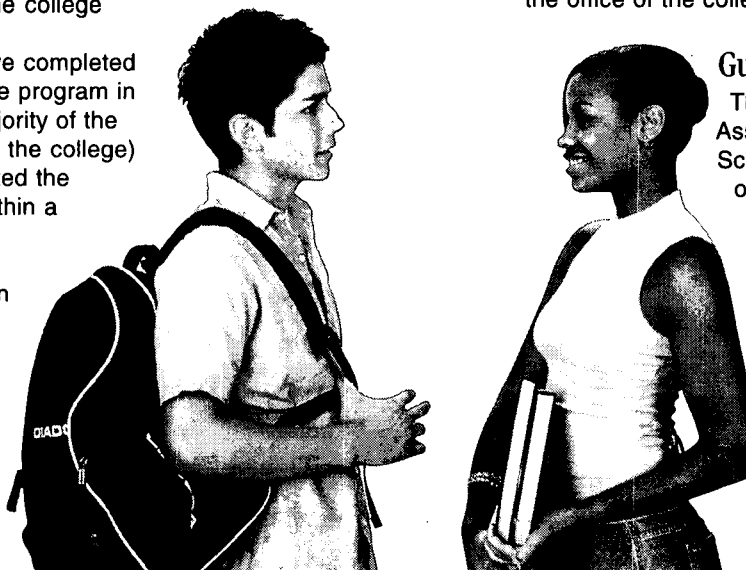
regularly scheduled during the period covered by the retraining plan.

- All retraining must be completed within a calendar year from the time the educational plan is agreed upon.
- The graduate and/or employer is responsible for the cost of books, insurance, uniforms, and other course-related expenses.
- The guarantee does not imply that the graduate will pass any licensing or qualifying examination for a particular career.
- The student's sole remedy against the college and its employees for skill deficiencies shall be limited to nine credit hours of tuition-free education under conditions described above.
- The program can be initiated through written contact with the office of the college president.

Guarantee for Transfer Credit

The college guarantees to its Associate in Arts and Associate in Sciences graduates the transferability of course credit to Texas public colleges and universities.

Students pursuing these degrees will complete the college's core curriculum of 48 credit hours. By Texas State Law, the entire core will transfer as a block to all Texas public colleges and universities to take the place of the core curriculum of the receiving transfer institution. Students should work closely with an advisor in the choice of electives to ensure that the



transfer institution has cooperated with the college in the development of Transfer Guides that clearly indicate how the university accepts the selected elective courses in transfer.

Another means of ensuring the transferability and applicability of all courses within an Associate in Arts or an Associate in Sciences is to follow specific degree plans in specific majors that are called Fields of Study. A Field of Study plan has the approval of the Texas Higher Education Coordinating Board. The entire plan of courses is designed to transfer as a block of courses to all Texas public colleges and universities when the student majors in the specific Field of Study at the transfer institution.

The college guarantees the transferability of course credit to private and out-of-state colleges and universities when the student pursues the Associate in College/University Transfer degree. This degree is composed of courses negotiated through a formal articulation process with private and out-of-state universities. Students interested in pursuing this degree should contact the Advisement Center early in their college career.

The college guarantees that a student may take tuition-free course(s) if: (a) A Texas public college or university refuses to accept in transfer core courses when the student has received the Associate in Arts or Associate in Sciences degree; (b) A Texas public college or university refuses to accept in transfer courses listed in that institution's Transfer Guide; (c) A Texas public college or university refuses to accept in transfer all courses taken in order to receive a Field of Study Associate in Arts/Associate in Sciences degree; or (d) A private or out-of-state institution refuses to accept in transfer a course when the student has received the Associate in College/University Transfer.

The conditions that apply to the guarantee area are as follows:

- Transferability means the acceptance of credits toward a specific major and degree at a Texas public college or university. The courses must consist entirely of those in the core curriculum, the courses outlined in an official Field of Study, and additional elective courses identified by the receiving university as transferable and applicable toward a specific major and degree in its Transfer Guides written within the last five years.
- For transfer to private and out-of-state institutions, a written plan with the receiving institution must be executed; and
- Limitations of total number of credits accepted in transfer, grades required, relevant grade point average and duration of transferability apply as stated in the catalog of the receiving institution.

The college works with a number of institutions to develop Transfer Guides. These include such as the

University of North Texas, Texas A&M Commerce, The University of Texas at Arlington, The University of Texas at Dallas, Texas Woman's University, Texas Tech University, Amberton University, Dallas Baptist University, Baylor University, Southern Methodist University, and others. In order to secure such a guarantee, students should begin the process in the college Counseling/Advisement Center to work closely with an advisor.

To ensure guaranteed transfer, students are strongly encouraged to check with the university where they plan to transfer. No university shall be required to accept in transfer toward a degree, more than 66 semester credit hours of academic credits earned by a student in a community college. Universities, however, may choose to accept additional credit hours. Also, all public colleges and universities must offer at least 45 semester credit hours of academic courses that are substantially equivalent to courses listed in the Lower

Division Academic Course Guide manual including those that fulfill the lower-division portion of the institution's core curriculum.

History

The Dallas County Community College District (DCCCD) enrolls over 100,000 credit and non-credit students every semester, making it one of the largest higher education institutions in the State of Texas.

The DCCCD comprises seven colleges located strategically throughout Dallas County. Anyone in Dallas County has only a short drive, bus or train ride to reach the nearest college.

More than three decades of growth and progress are a credit to the vision of Dallas area citizens. In May 1965, Dallas County voters created the Dallas County Junior College District and approved a \$41.5 million bond issue to finance it. The next year, El Centro College began serving students in downtown Dallas. Eastfield College in Mesquite and Mountain View College in southwest Dallas enrolled their first students in 1970. Richland College opened two years later in north Dallas.

An additional \$85 million in bonds supported the DCCCD's expansion, and construction began on three more colleges. Cedar Valley College in Lancaster and North Lake College in Irving opened in 1977, followed by Brookhaven College in Farmers Branch in 1978.

In addition to the colleges, the DCCCD also operates the Bill Priest Institute and R. Jan LeCroy Center for Educational Telecommunications, both named for former DCCCD chancellors. The Bill Priest Institute opened south of downtown Dallas in 1989, serving individuals and businesses of all sizes with training programs customized to meet their needs. The LeCroy Center is one of the largest producers of distance education products in the nation.



Dallas County Community College District Vision, Mission, and Goals

Vision

The Dallas County Community College District adds value to lives and builds communities.

Mission

We prepare students to become productive and responsible members in communities that are increasingly diverse in a world that continues to change dramatically. We provide students with academic, technical, work and life skills, as well as self-confidence to be successful in the workplace, community, and in other endeavors.

Goals

In implementing our goals, we are clear that we must remain accessible and affordable while maintaining educational quality. We will embrace and celebrate the diversity of our students, staff, and communities in all we do. The diversity of our institution and our programs and services is important. We will continue to improve our student retention and offer necessary remediation for students to successfully reach their goals.

- Student Success – The success of students is always our primary focus.
- Employee Success – Our commitment to hiring, retaining and developing successful employees is key to the positive impact we have on our students and communities.
- Economic and Workforce Development – We play a major role in economic and workforce development programs and initiatives that are key to development in this region, state and nation.
- Community Development – We support improvement in the quality of life of our communities and will continue to strengthen and expand our connections to civic, community, and educational organizations.
- Business and Fiscal Affairs – We maintain the public's trust by being fiscally responsible and accountable at all times.
- Institutional Development – Our regular assessment of programs and services, as well as our daily business, guides our planning into future.

*Approved by the DCCCD Board of Trustees
on December 16, 2003.*

The DCCCD and Innovation

The Dallas County Community College District is a member of the League for Innovation in the Community College. The League is comprised of 19 outstanding community colleges and districts throughout North America. The League Alliance includes more than 700 community and technical colleges from around the world. The League's purpose is to encourage innovation, experimentation, institutional transformation, and the continuing development of the community college movement internationally. Membership commits the District to research, evaluation and cooperation with other community college districts. The goal is to serve the community with the best educational programs and to make a positive difference in the lives of students. See <http://www.league.org/welcome.htm> for more information about the League for Innovation.

Commonly Used Terms & Abbreviations

Academic Advisor: A member of the college staff who helps students set educational goals and select courses to meet those goals.

Add: During any single semester to enroll in additional course(s) after the registration period, only if the course is available and has not met more than twice.

Admission: A person wishing to enroll must complete an application, be accepted and receive acknowledgement of acceptance from the Admissions Office before registering for classes. An application can be acquired online at www.dcccd.edu

Audit: Enrollment in a credit course without receiving academic credit.

Career & Technical Courses: Courses that lead to a Certificate or Associate in Applied Sciences Degree in a technical or occupational program. These courses are designed to aid the student in developing entry-level skills to be used in the job market. Consult an advisor regarding transferability if you plan to attend a four-year institution.

Catalog: The book containing course descriptions, certificate, and associate degree requirements, and general information. The DCCCD Catalog can be located on the web at www.dcccd.edu.

Class schedule: A booklet that is published prior to each semester listing classes, sections, dates, times, instructors' names and meeting places. This booklet is utilized by students in preparing personal class schedules each semester.

College-Based Distance Learning Class: A College-based Distance Learning Class has a portion of the instructional contact hours delivered at a distance, with occasional college-based instructional requirements, i.e. testing and review sessions. Most student services are delivered on campus. College-based Distance Learning Classes are offered using one or more of the distance learning course delivery formats.

College Level Math: Requires a student to have successfully completed two years of high school algebra and acquire an appropriate assessment score at the DCCCD standard, a standard which is higher than the state's TSI standard, or successfully complete Developmental Mathematics 0099 or Developmental Mathematics 0093 with a grade of C or better. Other math prerequisites may be required.

Common Course Numbers: Beginning in Fall 1995, the Common Course Number became the official number of the course. This same Common Course Number is being used for the same course by a number of colleges throughout Texas to help students identify how a course will transfer. However, the lack of a Common Course Number does not necessarily mean a course will not transfer.

Concurrent enrollment: (a) Enrollment by the same student in two different colleges of the DCCCD at the same time; (b) Enrollment by a high school student in one of the DCCCD colleges while still enrolled in high school; (c) Enrollment by a student in two courses in the same semester; (d) Enrollment in both a college of the DCCCD and another college or university at the same time (e) Enrollment in both credit and continuing education courses at the same time.

Core: The 48 prescribed hours of a 61-hour degree plan that a student must successfully complete in order to receive an Associate in Arts/Associate in Sciences Degree.

Course Load: The number of hours or courses in which a student is enrolled in any given semester.

Credit: The numerical value assigned to a course (see "credit hours/semester hours.")

Credit hours/semester hours: The unit of credit earned for course work. Each college course is worth a certain number of credit or semester hours. This number is determined by the type of class and the number of hours per week it meets. For example, a three-credit-hour class (English, history, etc.) meets three hours per week during the fall/spring semester; a four-credit-hour class (science, languages, etc.) meets six hours per week. Check the Catalog or the current Class Schedule for the value of any course you wish to take.

Credit/non-credit: Credit classes are those that award academic credit and may apply toward a degree. Non-credit classes do not apply toward a degree and are usually offered as continuing education courses.

DCCCD: Dallas County Community College District. The district is composed of Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake, and Richland Colleges. These colleges are all subject to the policies established by the DCCCD Board of Trustees.

Dallas TeleCollege Virtual Class: Courses offered through Dallas TeleCollege are defined as "virtual classes." A Dallas TeleCollege virtual class requires that all instruction and student services be delivered at a distance with no on-campus requirements. Dallas TeleCollege virtual class sections are numbered 9000-level. Virtual class sections may be offered using the online course or Telecourse Plus distance learning course delivery formats. A course offered through Dallas TeleCollege is the equivalent of the same course offered by all colleges of the DCCCD.

Developmental Studies Courses: Courses that develop prerequisite skills in reading, writing, and mathematics. Because of the nature of these courses, the credit earned will not count toward graduation requirements and may not be transferred to colleges outside the DCCCD.

Distance Learning: Distance learning courses are offered in a variety of formats. Each format requires a unique set of technologies essential to successful course completion.

Dropping a Course: The act of officially withdrawing from a particular course without penalty before a specified date. See the Academic Calendar in this catalog for "Last Day to Withdraw." It is the student's responsibility to drop a course by the date published. Effective with the Fall 2004 Semester, students may have to pay a higher rate of tuition for the third or more times they attempt a course. Students should take care in dropping a course as any future retake of that course may result in a higher rate of tuition.

Dual credit: Credit earned for both high school and college via concurrently enrolled high school students.

eConnect: eConnect is a web application that allows you to search, register and pay for your credit classes, view your grades and access your financial information online. You must meet certain eligibility criteria to register on-line. All students are eligible to pay for credit classes and access your financial information using eConnect.

Electives: Courses that do not count toward a major but are required for most college degrees. Electives are selected for personal interest, skill development, or to increase one's knowledge or understanding. Consult with an advisor before deciding upon electives.

Flexible-entry course: A course beginning and ending on dates that are different from the regular semester. This is also referred to as "flex-entry" or "short semester." Consult the Class Schedule for further information.

Former student: One who has not attended a college of the DCCCD in the past year.

Full-time student: A student who is enrolled for at least 12 credit hours during a semester or for six credit hours during a summer session. The student may be enrolled in one or more colleges of the DCCCD as long as the total number of hours meets the full-time requirement.

GPA: Grade Point Average. Two different ways of computing a GPA are utilized. For further explanation, see Grades & Transcripts.

Grade points: See Grades & Transcripts.

Grades: See Grades & Transcripts.

Lab hours: The number of hours a student spends each week in a laboratory or other learning environment.

Lecture hours: The number of hours a student spends each week in a classroom other than a laboratory.

Live-Interactive Television Course: The live-interactive television course uses one-way video and two-way audio. Each class is a live cable broadcast. Tapes are not available for these courses. Students must view class at broadcast times. See the Cable Broadcast Schedule in the distance learning pages printed in the College's Class Schedule. Students must have access to a participating cable television system. Students may interact during the live class with the faculty by telephone, placing a call to a voice bridge system. The course may include college-based requirements including orientations, testing and review sessions. Call the Distance Learning Hotline for more information about participating cable systems, (972)-669-6400 or if outside Dallas, toll-free: 1(888)-468-4268. Only college based distance learning classes may utilize the live-interactive television course delivery format.

Major: The subject or field of study in which the student plans to specialize. For example, one "majors" in Automotive Technology, Business, etc.



Online Courses: Online courses are delivered using only computers and computer peripherals. Students are required to have reliable Internet access and the latest version of an Internet browser software. The online classroom is used to deliver instruction and facilitate interactions among faculty and students.

Part-time student: A student who is enrolled for less than 12 credit hours during a semester or less than six credit hours in a summer session. The student may be enrolled in one or more colleges of the DCCCD as long as the total number of hours meets the part-time requirement.

Performance grade: A grade of "A," "B," "C," "D" or "F". This does not include the grades of "W," "I," "E" or "WX". See Grades & Transcripts for more on grades and grade point averages.

Prerequisite: A requirement that must be met before registering for a specified course. For example, the prerequisite for English 1302 is the successful completion of English 1301. A prerequisite

may be another course (high school or college) or an appropriate assessment score.

Probation: A warning for a student whose academic work or behavior is unsatisfactory. Students on academic probation may be suspended if their academic performance does not improve.

Registration: The official process for enrolling in courses. This involves selecting classes with the help of an advisor, completing all registration forms and paying fees. Check the College's Class Schedule for registration dates.

Registration Number:

A number indicating the course, day/evening, hour, room number and name of instructor for a particular course.

Semester: A term denoting the length of time a student is enrolled in a specific course. For example, there are two long semesters (fall and spring) that last approximately 16 weeks. There are two summer sessions or "semesters" (Summer I and Summer II) that last approximately 12 weeks.

Syllabus (Syllabi): An outline for a course of study. Students usually receive a syllabus from the instructor at the beginning of each course.

Technical/Occupational Courses: Courses that lead to a Certificate or Associate in Applied Sciences Degree in a technical or occupational program. These courses are designed to aid the student in developing entry-level skills to be used in the job market. Consult an advisor regarding transferability if you plan to attend a four-year institution.

Tech-Prep: An educational process where the college and the public high school districts cooperatively develop and implement a planned sequence of course work to prepare students for technologically advanced careers. Tech Prep programs are endorsed and approved by the Texas Education Agency (TEA) and the Texas Higher Education Coordinating Board (THECB). Through the Tech Prep process students earn college credit while in high school and advance to college programs after graduation.

Telecourse: The telecourse allows the student to work and learn independently, with college-based requirements including orientations, testing and review sessions. The course includes a pre-produced video series with print materials. Class interaction is offered through the telephone, fax, and mail. Students may view video lessons either through a local cable system, by purchasing videocassettes or viewing them on campus, or by purchasing videostreaming.

Telecourse Plus Courses:

The Telecourse Plus course incorporates the use of video and the online classroom. The course includes a pre-produced video series with print materials. Students may view video lessons either through a local cable system, by purchasing videocassettes or viewing them on campus, or by purchasing videostreaming. Students are also required to have reliable Internet access and the latest version of Internet browser software for the online instruction.

Telephone registration:

Touch-tone telephone registration is available during

registration for those who meet eligibility criteria. The telephone number for touch-tone telephone registration is 972-613-1818.

Transfer courses: Courses that are designed to transfer to other colleges and universities. Students need to consult with a registration advisor or check on college website about the transferability of specific courses. Because a course will transfer does not mean it will apply toward a specific major or degree at a four-year college or university.

Transcript: An official copy of a student's academic record that can be obtained through the Admissions Office. An official transcript must have the seal of the college affixed and the signature of the Registrar.

TSI: Texas Success Initiative; See TSI and Assessment.

Withdrawal: The act of ending enrollment in classes. A student withdrawing must go through a formal procedure. It is the student's responsibility to withdraw officially by the appropriate date. See the Academic Calendar in this catalog or in the College Class Schedule for the "Last Day to Withdraw." Effective with the Fall 2004 Semester, students may have to pay a higher rate of tuition for the third or more times they attempt a course. Students should take care in withdrawing from a course as any future retake of that course may result in a higher rate of tuition.



Getting Started

How to Enroll

1. Complete an Application for Admission. Applications are also available from any Admissions Office and on the Internet at <https://www1.dcccd.edu/stuapp/>.
2. Submit all of the following with your Application for Admission:
 - Proof of Texas residency (for those who wish to be considered residents for tuition purposes,
 - Scores from college entrance exams (SAT, ACT) taken in the last five years,
 - Scores from the Texas Assessment of Academic Skills Program (TAAS) taken in the last three years,
 - Scores from the Texas Assessment of Knowledge and Skills (TAKS) taken in the last three years,
 - Approved Texas Success Initiative (TSI) program test scores from ACCUPLACER, ASSET, COMPASS, or THEA (Texas Higher Education Assessment). TASP scores will still be honored even though the TASP test is no longer made available.
 - GED certificate (required for students who taken the GED exam,
 - Official transcripts from high school are recommended for students with no college experience,
 - Official transcripts from all colleges previously attended (required for students with college experience).

After you are admitted, but prior to registration, you must either present scores from ACCUPLACER, ASSET, COMPASS or THEA (Texas Higher Education Assessment).

If you are TSI (Texas Success Initiative) exempt or TSI waived, you are still required to meet all course prerequisites. Currently, the colleges of the DCCCD offer ACCUPLACER and ASSET state approved assessment instruments. Please see your advisor to determine your testing requirements.

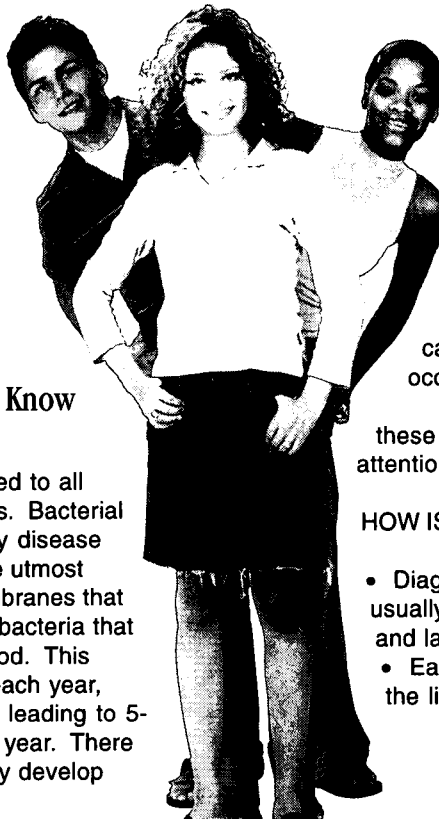
Please refer to the college credit class schedule for registration dates.
"Extended" registration opportunities may be limited.

Immunizations

The college does not require proof of immunizations for admission to most programs. However, all prospective students should have adequate immunization for bacterial meningitis, diphtheria, rubeola, rubella, mumps, tetanus and poliomyelitis (See Texas Department of Health's Recommended Adult Immunization Schedule.) Some health-related programs require specific immunizations prior to admission; that information is outlined in student orientations for those programs.

Important Information You Need To Know About Bacterial Meningitis

This information is being provided to all new college students in the state of Texas. Bacterial Meningitis is a serious, potentially deadly disease that can progress extremely fast - so take utmost caution. It is an inflammation of the membranes that surround the brain and spinal cord. The bacteria that causes meningitis can also infect the blood. This disease strikes about 3,000 Americans each year, including 100-125 on college campuses, leading to 5-15 deaths among college students every year. There is a treatment, but those who survive may develop severe health problems or disabilities.



WHAT ARE THE SYMPTOMS?

- High fever
- Severe headache
- Rash or purple patches on skin
- Vomiting
- Light sensitivity
- Stiff Neck
- Confusion and sleepiness
- Nausea
- Lethargy
- Seizures

There may be a rash of tiny, red-purple spots caused by bleeding under the skin. These can occur anywhere on the body.

The more symptoms, the higher the risk, so when these symptoms appear seek immediate medical attention.

HOW IS BACTERIAL MENINGITIS DIAGNOSED?

- Diagnosis is made by a medical provider and is usually based on a combination of clinical symptoms and laboratory results from spinal fluid and blood tests.
 - Early diagnosis and treatment can greatly improve the likelihood of recovery.

HOW IS THE DISEASE TRANSMITTED?

- The disease is transmitted when people exchange saliva (such as by kissing, or by sharing drinking containers, utensils, cigarettes, toothbrushes, etc.) or come in contact with respiratory or throat secretions.

HOW DO YOU INCREASE YOUR RISK OF GETTING BACTERIAL MENINGITIS?

- Exposure to saliva by sharing cigarettes, water bottles, eating utensils, food, kissing, etc.
- Living in close conditions (such as sharing a room/suite in a dorm or group home).

WHAT ARE THE POSSIBLE CONSEQUENCES OF THE DISEASE?

- Death (in 8 to 24 hours from perfectly well to dead)
- Permanent brain damage
- Kidney failure
- Learning disability
- Hearing loss, blindness
- Limb damage (fingers, toes, arms, legs) that requires amputation
- Gangrene
- Coma
- Convulsions

CAN THE DISEASE BE TREATED?

- Antibiotic treatment, if received early, can save lives and chances of recovery are increased. However, permanent disability or death can still occur.
- Vaccinations are available and should be considered for:
 - Those living in close quarters
 - College students 25 years old or younger
- Vaccinations are effective against 4 of the 5 most common bacterial types that cause 70% of the disease in the U.S. (but does not protect against all types of meningitis).
- Vaccinations take 7-10 days to become effective, with protection lasting 3-5 years.
- The cost of vaccine varies, so check with your health care provider.
- Vaccination is very safe - most common side effects are redness and minor pain at injection site for up to two days.
- Vaccination is available at Dallas County Health Department, phone 214-819-2000.

HOW CAN I FIND OUT MORE INFORMATION?

- Contact your own health care provider
- Contact Student Health Center at:
 - Brookhaven —972-860-4195
 - Cedar Valley —972-860-8277
 - Eastfield —972-860-7190
 - El Centro —214-860-2113
 - Mountain View — 972-860-8699
 - North Lake — 972-273-3170
 - Richland — 972-238-6135
- Contact your local or regional Texas Department of Health office at 817-264-4551
- Contact web sites: www.cdc.gov/ncidod/dbmd/diseaseinfo and www.acha.org

Student Identification

When you apply, you are asked to furnish a Social Security number. This number ensures the accuracy of your student records. If you do not have a Social Security Number, or do not choose to use the Social Security Number, the college will assign you a student identification number other than your Social Security Number. Each student will be assigned a student identification number. It is your responsibility to report any changes in your name, address, or email address to Admissions Office.

Admission Requirements

If you wish to be classified as a resident and have the benefit of paying lower tuition than non-residents, you must prove you lived in Texas for the 12 months immediately prior to the semester in which you enroll. If you cannot provide proof of residency, you will be classified as a non-resident and required to pay non-resident tuition. For specific information about required documentation, contact the Admissions Office.

Some admission requirements vary depending on a variety of factors. Determine which one or more of the following categories best describes you, then read the corresponding information below:

- First time student
- Student concurrently enrolled in high school & DCCCD
- High school student enrolled in dual credit programs
- Transfer student
- Former student
- Undocumented student who is a resident of Texas
- International student

First time students

You may apply as a beginning freshman if you meet *one* of these standards:

- You are a graduate of an accredited high school.
- You are a graduate of an unaccredited high school and are 18 years of age or older.
- You earned a General Education Diploma (G.E.D.).
- You are at least 18 years of age and do not have a diploma or G.E.D. (may be admitted by individual approval).
- If you are under the age of 18, are no longer enrolled in high school of any kind, and do not have a diploma or a G.E.D., you may be admitted by *one* of the following:
 - A written recommendation of the principal or superintendent of the last high school you attended, or
 - Show results indicating you have the ability to benefit from the college's programs through performance on an assessment test associated with the Texas Success Initiative (TSI) program. These tests are the ACCUPLACER, ASSET, COMPASS or Texas Higher Education Assessment (THEA). ACCUPLACER and ASSET are available at the college.
- If you are 16, did not graduate from an accredited school, but did graduate from a non-accredited high school, or were schooled in a non-traditional setting (i.e., home-schooled), you may be admitted if you meet *all* of the following conditions:

- Present a written recommendation of the principal or superintendent of the last school you attended, or TSI approved test results indicating you have the ability to benefit from the college's programs; *and*
- Present a notarized record of the high school equivalent work completed and the date of successful completion; *and*
- Complete the enrollment agreement noting you understand and accept that academic freedom and the collegiate environment is supported in all courses within the college, *and*
- Agree to limitations on conditions of admission established by the college.

After you are admitted, but prior to registration, you must have test scores on file from a TSI approved test.

Students Concurrently Enrolled in High School and the College

If you are still enrolled in high school you may be admitted under the following conditions:

- If you have completed your junior year in an accredited high school, you may be admitted with your high school principal's written recommendation. You must also present scores on one of the following tests: ACCUPLACER, ASSET, COMPASS or Texas Higher Education Assessment (THEA), with results indicating your ability to complete college-level work. ACCUPLACER and ASSET are available at the college. Generally, you may take no more than two courses each semester. The college-vice president or designate will have a conversation with prospective students under the age of sixteen (16) and their parents so that expectations of college readiness issues of the students, parents, and college are clarified. These issues will be considered in determining readiness for college level course work.
- If you have not completed your junior year at an accredited high school, you may be admitted upon meeting *all* of the following conditions:
 - Submit your high school principal's written recommendation;
 - Present scores on ACCUPLACER, ASSET, COMPASS, or Texas Higher Education Assessment (THEA) with results indicating your ability to do college-level work;
 - Receive approval from the college Vice President of Instruction or designate. Upon approval, you may take no more than two courses each semester. However, if you meet specific conditions, you may be permitted to enroll for three courses.
- The college-vice president or designate will have a conversation with prospective students under the age of sixteen (16) and their parents so that expectations of college readiness issues of the students, parents, and college are clarified. These issues will be considered in determining readiness for college-level course work.
- If you are enrolled in non-accredited high schools or educated in a non-traditional setting (i.e., home-schooled) and have completed the equivalent of the junior year (16 units) in high school, you may be admitted by meeting *all* the following conditions:
 - Provide a notarized record of the school subjects completed (consistent with the Texas Education Agency minimum requirements);
 - Present scores on ACCUPLACER, ASSET, COMPASS, or Texas Higher Education Assessment (THEA) with results indicating your ability to do college-level work;
 - Complete the enrollment agreement noting you understand and accept that academic freedom and the collegiate environment is supported in all courses within the college;
 - Agree to limitations on conditions of admission. You may take no more than two courses each semester. However, students meeting specific conditions may be permitted to enroll for three courses.
 - Receive approval from College's Vice President of Instruction or designate.
- The college-vice president or designate will have a conversation with prospective students under the age of sixteen (16) and their parents so that expectations of college readiness issues of the students, parents, and college are clarified. These issues will be considered in determining readiness for college-level course work.
- If you are enrolled in non-accredited high schools or educated in a non-traditional setting (i.e., home-schooled) and have not completed the equivalent of the junior year (16 units) in high school, you may be admitted by meeting *all* the following conditions:
 - Provide a notarized record of the school subjects completed (consistent with the Texas Education Agency minimum requirements);
 - Present scores on ACCUPLACER, ASSET, COMPASS, or Texas Higher Education Assessment (THEA) with results indicating your ability to do college-level work;
 - Complete the enrollment agreement noting you understand and accept that academic freedom and the collegiate environment is supported in all courses within the college.
 - Agree to limitations on conditions of admission. You may take no more than two courses each semester; *and*
 - Receive approval from the Vice President of Instruction or designate.
- The college-vice president or designate will have a conversation with prospective students under the age of sixteen (16) and their parents so that expectations of college readiness issues of the students, parents, and college are clarified. These issues will be considered in determining readiness for college-level course work.
- High school students are generally not admitted into developmental courses unless a contract for such services exists between the college and the school. Most financial aid programs are available only to students who have either graduated from high school or have a G.E.D. Please see the Financial Aid section of the catalog.

High School Students Enrolled in Dual Credit Programs

Dual Credit Programs are instructional partnerships between a public school district, a private secondary school or a home school and the college. Course credit is provided to high school students for both high school and college credit. College credit may be for certificate or associate degree programs. Financial Aid is generally limited to those who have either graduated from high school or have a G.E.D.

Eligibility requirements for Dual Credit:

- To enroll in courses for an associate degree or level-two certificate (TSI eligible) program, you must present a passing score on the ACCUPLACER, ASSET, COMPASS or Texas Higher Education Assessment (THEA) in at least one area (reading, writing, or math) as deemed applicable by the college for the intended course in which you wish to enroll. ACCUPLACER and ASSET are available at the college. If you are exempt from TSI, you are also exempt from local assessment for the purposes of dual course credit. Public school students wishing to enroll in level-one certificate (TSI waived) programs must have met TAAS/TAKS standards by passing all sections of the exit-level TAAS/TAKS or through end-of-course exams.
- High school students are generally limited to enrolling in two dual credit courses per semester. You may be permitted to enroll in more than two courses if recommended to do so by your high school principal or appropriate home school "official" and under one of the following conditions:
- Achieve a minimum GPA of 3.00 on at least two college courses taken in previous semesters; or
- Prove you have passed all sections of TSI tests; or
- Prove your eligibility to be TSI exempt based upon TAAS, TAKS, ACT, or SAT as approved by the Texas Higher Education Coordinating Board. (Note: these score standards are often altered by the THECB and the currently approved scores must be used.)
- High school students must meet all appropriate admissions criteria to the college.
- High school students must fulfill all prerequisite requirements to enrolling in a dual credit course.

The college-vice president or designate will have a conversation with prospective students under the age of sixteen (16) and their parents so that expectations of college readiness issues of the students, parents, and college are clarified. These issues will be considered in determining readiness for college-level course work.

Transfer Student

If you wish to transfer college credit, you are eligible for admission for enrollment from an accredited collegiate institution as defined in the *Acceptance of Credit in Transfer* section (next) if you meet the following conditions:

- You must present a complete transcript bearing the seal and signature of college/university official of each institution attended. Transcripts must be submitted before you enroll and should include the previous admission record and evidence of honorable dismissal. If you do not submit transcripts prior to enrolling, you can be blocked from a number of courses that require taking certain prerequisites. Transcripts received become the permanent property of the college. If you have earned a

baccalaureate and/or graduate degrees from accredited colleges and universities, you may submit a copy of a college/university diploma in lieu of transcripts. However, transcribed documents of prerequisites for specific courses must still be provided. If you are transferring from another college, you are not at liberty to disregard your collegiate record by applying as a beginning student. The college reserves the right to review academic credentials and/or transcripts from other higher education institutions for the purposes of evaluating the acceptability of credits. If you do not report all accredited college/university course work, you will be subject to disciplinary action, including expulsion and possible loss of credit for subsequent course work taken at the college.

- You must meet the minimum academic standards of the college. If another institution enforced scholastic withdrawal or suspension, and you meet the minimum academic standards of the college, you may petition for admission to the designated school official or admissions committee. Admission may be provisional, and credit hours and course work may be limited.

- You must meet all TSI requirements, as follows, after you are admitted:

- If you are transferring from

another Texas public college or university, you must present ACCUPLACER, ASSET, COMPASS, or THEA scores if you wish to enroll in any college-level coursework. If you are TSI exempt, you are still required to meet course prerequisites. (TASP scores will still be honored even though the TASP test is no longer made available) and

- If you are transferring from a private and/or out-of-state college or university, you must present assessment scores associated with the Texas Success Initiative (TSI) program. See TSI section in the catalog.



Acceptance of Credit in Transfer

Credit for courses in which a passing grade ("D" or better) has been earned may be transferred to the college from colleges and universities accredited through one of the following associations: *Middle States Association of Colleges and Schools/Commission on Higher Education *New England Association of Schools and Colleges *North Central Association of Colleges and Schools *Northwest Association of Colleges and Schools/Commission on Colleges *Southern Association of Colleges and Schools/Commission on Colleges *Western Association of Schools and Colleges/ Accrediting Commission for Senior Colleges *Western Association of Schools and Colleges/ Accrediting Commission for Community and Junior Colleges

It is the college's responsibility not to transfer credits received from any United States institution not so accredited except where signed agreements between the college and other institutions exist. However, if you have gained proficiency through completing coursework from non-accredited institutions, you may receive college credit through credit-by-

examination and, in some circumstances, credit by experience. Appropriate Dallas County Community College personnel will complete course-by-course evaluation as needed for degree or program planning. The institution will inform transfer students of the amount of credit that will transfer prior to the end of the first academic term in which they are enrolled. Once the student has been notified that the credits have been evaluated, the student may look at the results at <http://econnect.dcccd.edu>

Individual courses transferred will not be posted to the student's record. Official transcripts from all higher education institutions must be on file in the Registrar's Office. Generally, the college will not accept junior and senior level coursework as transfer credit unless there is an approved articulation agreement with the specific four-year college or university.

Credits earned through other education programs—such as credit-by-examination, military experience, and the U.S. Armed Forces Institute—are reviewed by the Registrar and credit may be granted if applicable. You must submit all official transcripts from all higher education institutions and a request for a degree plan evaluation to the Registrar's Office before an evaluation can take place. Any questions concerning the validity of the document(s) will result in the need to have an official transcript(s) sent directly from the other institution(s) to the Registrar's Office. If you are admitted with a grade point deficiency, you cannot graduate until you have cleared the deficiency by earning additional grade points.

Academic Forgiveness Policy

In keeping with SB1321 passed into legislation in 1993, any Texas state resident may elect not to have the college utilize college credits on courses which are ten (10) years or older. If you elect this option, no college courses or credits ten (10) years or older will be evaluated for credit. You may not selectively choose courses ten (10) years or older to be utilized. This provision does not relieve you from notifying the college of attendance at previous institutions nor of the need for you to submit transcripts indicating all previous course work attempted. If you elect this option, you must notify the Registrar's Office when you submit your Application for Admission. You must have all official transcripts on file before meeting with a designated official to review all official college transcripts before the Academic Forgiveness Policy is granted. **The Academic Forgiveness Policy does not apply toward eligibility issues for federal financial aid.**

Former Students

If you were formerly enrolled in this college or any college of the DCCCD, but have not attended a DCCCD college for more than one year, you must update your Application for Admission. If you have unsettled financial debts or your record is blocked for any other reason at this or any DCCCD College, you will not be allowed to register until the record is cleared.

Undocumented Student who is a Resident of Texas

Texas State Law states that you can be admitted to the college and be considered a resident of Texas if you resided with a parent, guardian, or conservator at least part of the time while you attended a public or private high school in Texas and met all the following conditions:

- Graduated from a Texas public or private high school or received the equivalent of a high school diploma in Texas;
- Resided in Texas for at least three years as of the date you graduated from high school or received the equivalent of a high school diploma;
- Have not registered as an entering student at any college or university prior to the Fall Semester of 2001, and
- Sign the affidavit provided by the college that states you will file an application to become a permanent resident at the earliest opportunity you are eligible to do so. The Matricular Consular I.D. Card can be utilized as an I.D. for admissions purposes. Students who are undocumented and of Mexican decent are eligible to apply for the Matricula Consular I. D. Card. To read more about this card, go to <http://www.sre.gob.mx/dallas/english/idcards.htm>.

International Students

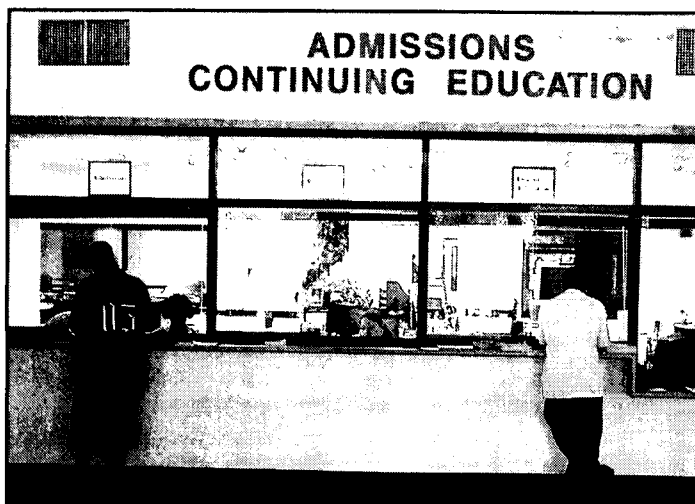
The college is authorized under federal law to enroll non-immigrant students carrying valid visas.

International students are admitted once

all admission requirements are complete. If you are an international student seeking F-1 visa status, you must:

- Contact the college to request international student admission information;
- Provide an official TOEFL (Test of English as a Foreign Language) score of 530 or higher on the paper/pencil version or a TOEFL score of 197 or higher on the computerized version to meet the English proficiency requirement for college level classes. Intensive English students are recommended to have at least 430 or higher on the paper/pencil version of TOEFL or 117 or higher on the computerized version of TOEFL. The TOEFL requirement may be waived for the intensive English programs of the DCCCD through approved methods as outlined by the college. If you meet one of the following criteria, you will be excused from the TOEFL requirement for admissions to college level courses:
 - * You are a graduate of an accredited U.S. college or university; or
 - You are a native speaker of English from a country in which English is the primary language of the majority as documented by the Cambridge Encyclopedia of Languages. See international admissions advisor for list of approved countries);or
 - * You have an official transcript from an accredited college or university in the United States showing a grade of C or better for English 1301 or the equivalent; or
 - * You have an institutional TOEFL score of 530 or higher on the paper/pencil version or TOEFL score of 197 or higher on the computerized version from the University of North Texas, the University of Texas at Arlington, or University of Texas at Dallas; or

**Texas Success
Initiative (TSI)
questions? See
your college TSI
advisor or go online to
www.thecb.state.tx.us**



to maintain visa status. It is strongly recommended that F-1 students obtain health insurance for the duration of their studies in the college. After admission, international students must present TSI scores unless otherwise exempt. If adequate English proficiency is not demonstrated through this assessment, placement in additional English language and/or Math courses will be required.

Evaluation of Foreign Credentials

Coursework completed at colleges and universities outside the United States will be considered for transfer on an individual basis. All foreign credentials submitted to the college must include the original plus a certified English translation.

An official course-by-course evaluation of foreign credentials must be completed before transfer credit will be considered. You, the student, are responsible for arranging for the course-by-course credential evaluation. A partial list of acceptable professional evaluation services is available at the Admissions Office and the International Student Advisor's Office. You, the student, are expected to pay all costs of translation and/or evaluation of foreign credentials.

Evaluations of foreign credentials completed by individuals and/or by professional evaluation services are subject to review and approval by the head of Admissions and/or the college Registrar.

Texas Success Initiative (TSI) Program

After you are admitted, but prior to registration, you must either present scores from an assessment test associated with the Texas Success Initiative (TSI) program or be exempt. See exemptions from TSI Requirements in this section to determine if you are exempt or waived from TSI requirements. Assessment is not used to determine admission except for students wishing to enroll in "special admissions" programs.

The Texas Success Initiative (TSI) Program is required by state law to ensure students enrolled in Texas public colleges possess the academic skills needed to perform effectively in college-level coursework. TSI includes a testing component designed to identify and provide information about your reading, writing, and math skills. You are expected to consult with the college TSI Coordinator in order to meet the TSI requirements. It is your responsibility to be aware of all TSI regulations. For more information, visit www.thecb.state.tx.us/

TSI Requirements

Effective fall 2003 the Texas Higher Education Coordinating Board (THECB) implemented the Texas Success Initiative (TSI) for Texas public institutions of higher education, a program to replace the former TASP program. It is the intent of the Texas Higher Education Coordinating Board that Texas public institutions of higher education use the flexibility and responsibility of TSI rules to improve individualized programs to ensure the success of students in higher education. The Dallas County Community College District (DCCCD) makes every effort to ensure that students have equal opportunity for success in their academic coursework. In order to facilitate their college readiness for such coursework, the District assesses students with a TSI required assessment instrument and places them based on their assessment results. DCCCD students must be assessed on TSI Reading, Writing and Math. TSI Standards in Reading, Writing and Math must be met with required course prerequisites.

- * You have successfully completed the final level of an intensive English program of the DCCCD; or
- * You can present documented completion of the final level of an intensive English language program that is approved by the DCCCD through an established agreement.
- Show documented evidence of sufficient financial support for the academic year,
- International students must provide official written medical proof of freedom from tuberculosis through either a negative Mantoux tuberculin skin test or chest X-ray that was given in the United States within the last one (1) year. Out-of-country students must undergo testing for freedom from tuberculosis upon arrival in the United States before registration in classes is allowed. The DCCCD does recommend that all prospective students have adequate immunization for bacterial meningitis, diphtheria, rubella, rubella, mumps, tetanus and poliomyelitis (see Texas Department of Health's Recommended Adult Immunization Schedule).
- Submit official transcripts from each high school, college or university previously attended with a minimum of "C" average;
- Fulfill all admission requirements before the deadline designated by the college for international students and receive approval for admission from international admissions advisor.
- In addition to the requirements stated above, if you are an international student wishing to transfer from another U.S. institution, you must also:
 - * Present documentation indicating valid non-immigrant status;
 - * Provide official transcripts or documented proof verifying that you are "in-status" and have been pursuing a full course of study during the term immediately preceding the transfer from the institution last authorized by INS for attendance. International students are subject to the requirements of the Texas Success Initiative (TSI) program.
- Upon admission, students must present all original immigration documents including a valid I-94 arrival/departure record and an unexpired passport to be copied and kept on file. F-1 students must receive and secure the Form I-20AB from each new school attended. F-1 students must enroll in a minimum of 12 credit hours and maintain full-time enrollment during each regular semester in order

TSI Assessment Instruments

TSI approved test instruments are ACCUPLACER, ASSET, COMPASS and Texas Higher Education Assessment (THEA), formerly known as TASP. Even though the TASP test is no longer administered, previous TASP scores will continue to be honored as directed by the THECB.

The colleges administer ACCUPLACER or ASSET, both of which are TSI state approved assessments.

Exemptions/Waivers

You must have TSI assessment scores on file prior to enrolling for college-level courses. If you meet any of the following conditions, you are exempt or waived from the TSI requirements.

1. For a period of five years from the date of assessment, a student who is tested and performs at or above the following standards is exempt: (Scores for exemption must be attained in one sitting.) DCCCD course prerequisite requirements will be maintained.
ACT: English = 19, Math = 19,
Composite = 23
SAT: Verbal = 500, Math = 500,
Combined = 1070
2. For a period of three years from the date of assessment, a student who is tested and performs on the Texas Assessment of Academic Skills (TAAS) with minimum, scaled scores of 1770 (Writing), 89 (TLI-Reading), and 86 (TLI-Math) is exempt. Since the TAAS test is administered over several days, students who miss a day of testing due to illness or emergency are allowed to make up the missed sections of the test and have the aggregate results count as a single sitting of the test. DCCCD course prerequisite requirements will be maintained.
3. For a period of three (3) years from the date of testing, a student who is tested and performs on the **Eleventh grade exit-level** Texas Assessment of Knowledge and Skills (TAKS) with a minimum scale score of 2200 on the math section and a minimum scale score of 2200 on the English Language Arts section with a writing subsection score of at least 3, shall be exempt from assessment required under this title for those corresponding sections. DCCCD course prerequisite requirements will be maintained.
4. A student who has graduated with an associate or baccalaureate degree from a regionally accredited institution or from a recognized international institution and submits appropriate documentation of degree and official transcript is exempt. DCCCD course prerequisite requirements will be maintained.
5. A student who transfers to the DCCCD from a regionally accredited private or independent institution of higher education or a regionally accredited out-of-state institution of higher education and who has satisfactorily completed at least 3 hours college-level core-related coursework with a grade of "C" or better is exempt. The transferred college-level core-related



coursework will be evaluated to determine which component area(s) reading, writing or math will have been met. An official transcript must be submitted. DCCCD course prerequisite requirements will be maintained.

6. A student who has previously attended any accredited institution of higher education and has been determined to have met readiness standards by that institution is exempt. An official transcript must be submitted. DCCCD course prerequisite requirements will be maintained.
7. A student who is enrolled in a certificate program of one year or less will be **waived** of TSI requirements (Level-One certificates, 42 or fewer semester credit hours).

DCCCD course prerequisite requirements will be maintained.

8. A student who is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three years preceding enrollment is exempt. DCCCD course prerequisite requirements will be maintained.

9. A student who on or after August 1, 1990, was honorably discharged, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or service as a member of a reserve component of the armed forces of the United States is exempt. DCCCD course prerequisite requirements will be maintained.

10. A non-degree-seeking or non-certificate-seeking student is **waived** from TSI requirements. DCCCD course prerequisite requirements will be maintained.

Minimum Passing TSI Standards

Students who meet the TSI State standard for reading and writing will be able to enroll into college level courses that require college level readiness in reading and writing skills. Students who meet the minimum TSI State standard for math must still score at a higher level to meet college level readiness standard as required for enrolling into college level math. The Texas Higher Education Coordinating Board acknowledges that colleges and universities can require a higher TSI cut score for enrollment into college level math courses since the TSI State standard for mathematics does not meet the college level math readiness standard (see grid below). Level II Certificates and Associate in Applied Sciences degrees that do not require college-level math will have the passing standard for mathematics as required by the state's TSI math readiness standard. Associate in Arts, Associate in Sciences, Associate in Applied Sciences, and Level Two Certificates that require college level math will have the passing standard for mathematics as required by the state's TSI math standard plus successful completion of **required** DCCCD course prerequisites or by appropriate test score (see grid below). The DCCCD will use the following minimum passing standards to determine a student's readiness to enroll in freshman-level academic coursework:

Instrument	Reading	Writing WS=writing sample	State TSI Math standard for degrees not requiring math nor college level math	DCCCD TSI standard for degrees requiring college level math
ACCUPLACER	78	80 w/WS=5, <u>OR</u>	63	Ele Alg (M2)=69, AND Intermd Alg (CLM)=41
THEA	230	220	230	270
ASSET	41	40 w/WS=5, <u>OR</u> WS=6	38	Ele Alg (M2)=38, <u>AND</u> Intrmd Alg (M3)=41
COMPASS	81	59 w/WS=5, OR	39	Algebra=70

ADVISEMENT AND PLAN FOR ACADEMIC SUCCESS

For each student who fails to meet the minimum passing standards, the DCCCD shall:

- Advise the student regarding developmental education necessary to ensure the readiness of that student in performing freshman-level academic coursework.
- Provide a plan, working with the student, for academic success, which shall include developmental education and may include provisions for enrollment in appropriate non-developmental coursework.
- Each plan for academic success shall:
 - * Be designed on an individual basis to provide the best opportunity for each student to succeed in performing freshman-level academic coursework.
 - * Provide to the student a description of the appropriate developmental education considered necessary to ensure the readiness of that student to perform freshman-level academic coursework.
 - * Provide to the student an appropriate measure for determining readiness to perform freshman-level academic coursework, which shall be a grade of "C" or better in the terminal course, or appropriate scores on developmental education exit exams.

TSI Retest Requirements

In compliance with Section 4.59 (c), a student is required to retake an assessment instrument after successfully completing all developmental education if the student did not initially perform at or above the following scores:

<i>Instrument</i>	<i>Reading Comp</i>	<i>Writing Skills</i>	<i>Mathematics</i>
ASSET	35	35 (objective)	Ele Alg = 30
COMPASS	64	44 (objective)	Algebra = 23
ACCUPLACER	61	62 (sentence skills)	Ele Alg = 42
THEA	201	205	206

Students with Disabilities

The DCCCD shall consider all federal laws pertaining to individuals with disabilities when assessing and advising such students. The Disability Services Office on each DCCCD campus will identify and provide, on an individualized basis, appropriate accommodations for assessment of students with disabilities. The Disability Services Office will also determine, in conjunction with campus TSI coordinators, when a student with a learning disability has completed remediation requirements to the satisfaction of the institution and "met" TSI standards. Such determination will be based on, among other factors, appropriate and sufficient documentation of a student's disability.

DETERMINATION OF READINESS TO PERFORM FRESHMAN-LEVEL ACADEMIC COURSEWORK.

The DCCCD shall determine when a student is ready to perform freshman-level academic coursework on an individual basis according to the needs of the student. As indicators of readiness, the DCCCD institutions shall consider, as appropriate:

- Performance in developmental education by earning a grade of "C" or better in the highest level of remediation for each failed area;
- Performance in appropriate non-developmental coursework;
- Performance on an approved assessment instrument (described in "Assessment Instruments" above);
- Performance on appropriate developmental exit exams used by the institution; and
- Performance in core-related courses transferred in from other accredited institutions of higher education, met by earning a grade of "C" or better.

TSI Retest Options

In extenuating circumstances, a student may retake an assessment instrument after waiting at least forty-eight hours after initial testing. The student must submit a written appeal to the Director of Advising to retest. Upon official notification and if approved, the student must take the re-test within two weeks of the approval and prior to enrolling in classes.

Additional institutional re-testing with ACCUPLACER, ASSET, or Quick THEA, to determine the student's readiness to perform freshman-level academic coursework, shall be allowed once per term district wide, starting in the next term after the initial term of enrollment.

DCCCD may require students to pay for re-testing services by fall 2004.

COURSE PREREQUISITES

All courses in the DCCCD core curriculum and other courses require documented college-level readiness in the appropriate area before enrollment. In compliance with the work of the Curriculum Committees for courses, the DCCCD catalog will identify, and the Course Master will regulate, prerequisites for these courses. No student shall be exempt or waived from prerequisites without evidence of academic readiness. Students who have met all of their TSI standards, course prerequisite requirements, and all other graduation requirements will be awarded their certificate or degree. The DCCCD transcript will indicate a student's readiness in reading, writing and mathematics.

Transferring Assessment Scores

If you take a TSI approved assessment test, accumulate any collegiate hours, and later transfer to another Texas public college or university, the receiving institution shall honor your officially transcribed scores. If you transfer from another Texas public college or university to this college, the college will honor your officially transcribed TSI approved assessment scores.

TSI Assistance

The college TSI Coordinators can assist you with information about TSI requirements:

- Brookhaven College: Brenda Dalton (972) 860-4677
- Cedar Valley College: Carolyn Ward (972) 860-8204
- Eastfield College: Jennie Banks (972) 860-7028
- El Centro College: Jim Handy (214) 860-2073
- LeCroy Center: Lakendra Higgs (972)-669-6417
- Mountain View College: Kathy Taylor (214) 860-8557
- North Lake College: Deena Reeve (972) 273-3127
- Richland College: Teddy Krekula (972) 238-6115

Additional TSI information can be found at the Texas Higher Education Coordinating Board's web site:
www.thecb.state.tx.us.

And remember TSI rules are always subject to change. For the latest TSI information, see the college TSI Coordinator.

Money Matters

Tuition

Tuition is the dollar amount a student pays for his or her academic instruction. It is based on credit hours and place of legal residence. Tuition rates are subject to change, without notice, by DCCCD's Board of Trustees and by the State of Texas.

<i>Category of Tuition</i>	<i>Dallas County Residents</i>	<i>Other Texas Residents (Out of County Residents)</i>	<i>Out of State/ Out of Country</i>
Full Tuition	\$30 per credit hour with a \$30 minimum	\$50 per credit hour with a \$50 minimum	\$80 per credit hour with a \$200 minimum

Texas residents, who own property subject to ad valorem taxation by the DCCCD, or dependents of such persons, may pay tuition at the rate of residents of Dallas County. If a senior citizen (person 65 years or older) who resides in or owns property subject to ad valorem taxation in Dallas County enrolls in credit courses, DCCCD colleges will waive a maximum of six hours tuition each semester or summer session if space is available.

An individual who has moved to Texas and enrolled before having resided here for 12 months immediately preceding registration, and his or her dependents, may be entitled to pay the tuition required of Texas residents. Such an individual 1) must be an employee of a business or organization that is part of Texas' economic development and diversification program, and 2) must file with the college a letter of intent to establish residency in Texas.

Residency

The residency status of each student is determined during the admissions process, based upon documentary evidence available to make that decision. If the college later determines that a student was not entitled to resident status at the time of his or her registration, the student shall pay the college the amount he or she should have paid as a non-resident. If the student fails to pay as required, he or she is not entitled to receive a transcript or to receive credit for the courses taken while falsely registered as a resident student.

State law requires that students sign an oath of residency. The oath of residency is not and may not be substituted for documentary evidence.

Provided they established legal residence in the state of Texas, the county of residence for a student under 18 years of age is the county in which his or her parents or legal guardian resides. Students who are 18 years of age and older are deemed to be residents of the county in which they reside.

Students less than 18 years of age whose family resides in another state or whose family has not resided in Texas for twelve months immediately preceding the date of registration are classified as out-of-state residents. Students 18 years of age or older who have not been residents of the state twelve months following their 18th birthdays or for the twelve months immediately preceding the date of registration are also classified as out-of-state residents.

A foreign national on any other than a permanent resident visa must pay out-of-country tuition.

The descriptions of residency statuses contained above are generally applicable. The Education Code (Section 54.052), rules of the Texas Higher Education Coordinating Board, and judicial and/or administrative interpretations specifically govern residency status. In the case of conflict between the above-noted descriptions and the latter authorities, the latter shall govern. Questions concerning residency should be directed to the admissions office.

Tuition Installment Pay Plan (TIPP)

Students may elect to pay tuition in installments during the fall and spring semesters. The following conditions apply.

- A nonrefundable, \$15 charge is due when the installment plan is initiated, which must be before the first day of classes.
- Tuition for flexible-entry courses may not be paid in installments unless registered for prior to the official certification date of the term in which the pay plan is initiated.
- Course credit may be denied if payment in full has not been made by the end of the semester.
- A promissory note must be signed when the first payment is made.
- If courses are dropped, the refund (if any) is applied to the balance due.
- If courses are dropped and no refund is due, the balance must still be paid in full.



- A \$10 late charge is applied to a late payment (maximum of \$20 per pay plan).
- Payment due dates and amounts are ½ before the official institutional first day of classes, ¼ before start of the 6th class week, and the final ¼ before start of the 11th class week.

Reciprocal Tuition Agreements (See next page for chart)

HOPE Scholarship and Lifetime Learning Tax Credits

The Taxpayer Relief Act of 1997 (TRA) provides education tax incentives in the form of the Hope Scholarship Credit and the Lifetime Learning Credit. These benefits allow taxpayers to reduce their federal income tax based upon qualified tuition and fees paid, assuming the taxpayer meets TRA requirements.

The Hope Scholarship Credit is for students who are enrolled at least half-time in one of the first two years of post-secondary education and are pursuing an undergraduate degree, certificate or other recognized credential. The Lifetime Learning Credit is available to qualifying individuals who may not otherwise qualify for the Hope Scholarship. For more information about these education tax incentives, call the Internal Revenue Service at 1-800-TAX-1040 or visit their Web site at www.irs.gov.

For purposes of filing tax returns, 1098-T forms indicating amount of tuition paid and financial aid received during the tax year are mailed to taxpayers by January 31 of each year. There is a telephone number on the form to call if any of the information appears incorrect. Students may view their 1098-T online after January 31 through the web site www.1098t.com

Tuition Rebate Program

Students who graduate with a baccalaureate degree from a Texas public university may qualify to receive \$1,000 from the baccalaureate-granting institution if they meet the following criteria:

- Must have enrolled in a Texas public institution of higher education in fall 1997 or thereafter;
- Must have been a resident of Texas and entitled to pay in-state tuition at all times while pursuing the degree;
- Must have received a baccalaureate degree from a Texas public university; and
- Must have **attempted** no more than three hours in excess of the minimum number of semester hours required to complete the degree in the catalog under which graduated. Hours attempted includes transfer credits, course credits, earned exclusively by examination, courses that are dropped after official census date, and for-credit developmental/remedial courses. The college has academic advisors to help students plan their course of study at the community college to maximize their chances of qualifying for this rebate when they graduate from a university with a baccalaureate degree.

Refund of Tuition

To be considered officially withdrawn from one or more classes and eligible for a refund, a student must have the appropriate form with the college within the refund period. Refunds for flexible-entry classes are prorated based on the number of weeks each class spans. Refund period for fall, spring, and summer semesters are the following:

Amount of Refund	Fall and Spring (16-week semesters)	Summer (5-week semesters)
100%	Prior to the 1 st class day of the semester	Prior to the 1 st class day of the semester
70%	During the first 15 class days of the semester	During the first 5 class days of the semester
25%	During the 16 th -20 th class days of the semester	During the 6 th class day of the semester
None	After the 20 th class day of the semester	After the 6 th class day of the semester

The amount of refund may be reduced for federal financial aid recipients who have not completed 60% of the enrollment period for which they have received aid. The 1st class day is the official institutional first day of classes; it may precede a student's actual first day of class. Refunds are based on net charges for classes dropped and added if occurring prior to the date the college must report official enrollment.

Refunds are made to credit cards (if tuition was paid by credit card) or by check mailed to the student's address on file with the college. Refunds are not issued in cash. Tuition paid directly to the college by a sponsor, donor, employer or scholarship is refunded based on the terms stipulated by the funding source. Processing a refund check normally requires a minimum of one month from the date of approval.

A student who wishes to appeal for a greater refund may do so by submitting a petition and explanation of any extenuating circumstances to the college refund petitions committee. If the committee approves the petition, the college will notify the student and issue a refund accordingly.

Reciprocal Tuition Agreements

Courses in certain associate degree programs offered by DCCCD colleges may be taken by Collin and Tarrant County residents at in-county tuition rates (see table below). Residents of Cooke, Denton, Ellis, Grayson, Hill and Weatherford counties may also take courses in the construction technology program at in-county tuition rates.

<i>Program</i>	<i>DCCCD College(s)</i>	<i>In-county Tuition</i>	
		<i>Collin</i>	<i>Tarrant</i>
Air Conditioning and Refrigeration—Residential	Cedar Valley,	•	
	Eastfield	•	
Air Conditioning and Refrigeration Technology	Eastfield	•	
Apparel Design	El Centro	•	•
Auto Body Technology	Eastfield	•	
Automotive Technology	Brookhaven,		
	Cedar Valley, Eastfield	•	
Automotive Technology—			
Dealership-sponsored Technician	Brookhaven, Eastfield	•	•
Aviation Technology: Air Cargo • Aircraft Dispatcher		•	
• Airline Management • Fixed Base Operations		•	
• Professional Pilot	Mountain View	•	•
Biotechnology	El Centro, Mountain View	•	•
Commercial Music	Cedar Valley	•	•
Construction Management and Technology	North Lake	•	
Construction Technology	North Lake	•	•
Diagnostic Medical Sonography	El Centro	•	•
Digital Imaging Technology	Eastfield	•	
Echocardiology Technology	El Centro	•	•
Educational Personnel	El Centro, Richland	•	•
Electrical Technology	North Lake	•	•
Electronic Commerce	Brookhaven, Eastfield		•
	Mountain View, North Lake,		•
	Richland		•
Engineering Technology	Richland		•
Food and Hospitality Service	El Centro	•	•
Horticulture	Richland	•	•
Hospitality Management	North Lake		•
Interior Design	El Centro		•
International Business and Trade	Richland	•	•
Invasive Cardiovascular Technology	El Centro	•	•
Medical Laboratory Technology	El Centro		•
Medical Staff Services	El Centro	•	•
Medical Transcription	El Centro	•	•
Mortgage Banking	North Lake	•	•
Pattern Design	El Centro	•	•
Plumbing and Pipefitting Construction	North Lake	•	•
Radiologic Sciences	Brookhaven, El Centro	•	
Social Work Associate—Generalist	Eastfield	•	
Substance Abuse Counseling	Eastfield	•	
Travel, Exposition and Meeting Management	Richland	•	•
Veterinary Technology	Cedar Valley	•	•
Video Film Technology	North Lake	•	
Visual Communications	Brookhaven		•
Vocational Nurse	El Centro	•	•
Welding Technology	Mountain View	•	

Returned Checks

When the Business Office receives returned checks, it notifies students in writing. You must pay the amount of the check plus a check fee with cash or a cashier's check within the time limits prescribed by the notification letter you receive. (A returned check fee of \$20 will be charged for each returned item except in case of bank error. If the bank for any reason returns a check for tuition, the College Business Office may submit the check to the Justice of the Peace for appropriate legal action and collection. The Vice President of Student Development may also implement disciplinary procedures. You may be dropped from courses if check(s) are returned. Additionally, you may be blocked from further enrollment until all costs are paid.

Additional Charges

Some classes may use facilities or services for which students pay a third party, such as for scuba gear rental or bowling alley admission. The college levies a service charge for administering tests that establish credit-by-exam; the charge may change without prior notice. Out-of-state students who receive all instruction remotely through DCCCD's "Virtual College" pay \$55 per credit hour for distance learning services. (This charge may be adjusted depending on contracted services with distance learning partners.) Graduating students pay for cap and gown rental. The cost for auditing a course is the same as if taking the course for credit.

Dallas County Community College District

Tuition—All Semesters

Semester Credit Hours	DALLAS COUNTY Registration Tuition	OUT-OF-DISTRICT Registration Tuition	OUT-OF-STATE OR COUNTRY Registration Tuition
1	\$30	\$ 50	\$200
2	60	100	200
3	90	150	240
4	120	200	320
5	150	250	400
6	180	300	480
7	210	350	560
8	240	400	640
9	270	450	720
10	300	500	800
11	330	550	880
12	360	600	960
13	390	650	1,040
14	420	700	1,120
15	450	750	1,200
16	480	800	1,280
17	510	850	1,360
18	540	900	1,440
19	570	950	1,520
20	600	1,000	1,600

A distance learning fee of \$55 per credit hour, a minimum of \$165 for a 3-credit-hour course, ***shall be charged only to out-of-state students*** who receive all services remotely through the District's "Virtual College." This fee may be adjusted, depending on contracted services with distance learning partners.

Please discuss any questions regarding proper tuition classification with admissions office personnel.

The Chancellor shall be authorized to set the fees and charges for specialized services and programs provided by the District colleges. Other special fees may be assessed as new services or programs are developed with special laboratory costs. These fees will be kept to a basic, practical minimum for the program or service involved.

Tuition for all semesters is as follows:

- Dallas County Residents** \$30.00 per credit unit or a minimum of \$30.00
- Out-of-District Residents** \$50.00 per credit unit or a minimum of \$50.00
- Out-of-State Residents** \$80.00 per credit unit; minimum of \$200.00
- Out-of-Country Residents** \$80.00 per credit unit; minimum of \$200.00

The charge for auditing a course is the same as taking the course for credit.

Effective Date: Summer, 2003

Provided they established legal residence in the State of Texas, a student's county of residence is the county in which their legal guardian resides, if they are under 18 years of age. Students 18 years of age and older are deemed to be residents of the county in which they reside.

"Out-of-State Residents" are defined to be students of less than 18 years of age, living away from their family and whose family resides in another state or whose family has not resided in Texas for twelve months immediately preceding the date of registration; or students 18 years of age or older who have not been residents of the state twelve months subsequent to their 18th birthdays or for the twelve months immediately preceding the date of registration.

The description of resident and non-resident status contained above are generally applicable, but the determination of residence status for tuition purposes is specifically governed by the provisions of V.T.C.A. Education Code, Section 54.052, the rules and regulations of the Coordinating Board, Texas College and University System, and judicial and/or administrative interpretations thereof. In the event of conflict between the above-noted descriptions and the latter authorities, the latter shall govern.

A foreign national on any other than a permanent resident visa must pay out-of-country tuition and fees.

The tuition schedule above is subject to change without notice by action of the District Board of Trustees or the State of Texas.

By law (TEC: section 4, subchapter B. chapter 54; sec. 54.0521, 1985), the STATE OF TEXAS requires that the OATH OF RESIDENCY be signed.

The law states that if the institution later determines that the individual was not entitled to be classified as a resident at the time of the individual's registration, the individual shall pay to the institution the amount the individual should have paid as a non-resident. **If the individual fails to make a timely payment as required, the individual is not entitled to receive a transcript or to receive credit for courses taken during the time the individual was falsely registered as a resident student.**

THE OATH OF RESIDENCY IS NOT ACCEPTABLE IN LIEU OF DOCUMENTARY EVIDENCE.

Pursuant to the authorization contained in the Education Code, Section 130.0032, the Board authorizes a person who resides outside the District, but is a state resident and who owns property subject to ad valorem taxation by the District, or a dependent of the person, to pay tuition at the rate that applies to a student who resides in the District.

An individual who has come from outside the state of Texas and registered with a college before having resided in the state for a 12-month period immediately preceding the date of registration and his or her dependents are entitled to pay the tuition and other fees required of Texas residents if the individual has located in Texas as an employee of a business or organization that became established in this state as part of the state's economic development and diversification program authorized by the constitution and laws of the this state and if the individual files with the college a letter of intent to establish residency in Texas.

Financial Aid

The colleges of the Dallas County Community College District recognize that many students who wish to attend college do not have the financial resources available to pay the cost of higher education. Each college operates an Office of Financial Aid to assist students seeking a degree or certificate by making their educational goals possible financially. The primary purpose of financial aid is to assist students who, without such aid, would be unable to attend college. The college financial aid office administers various types of financial aid programs including grants, loans, scholarships and part-time employment. To learn more about student financial aid programs, visit www.students.gov (federal programs), www.collegefortexans.com (state programs), and www.dcccd.edu (college, district, and community programs).

No person shall be excluded from participation in, denied the benefits of, or subject to discrimination under any program administered by DCCCD on any basis prohibited by applicable law, including but not limited to, race, color, age, national origin, religion, sex, disability or sexual orientation.

Most financial aid is awarded on the basis of need. In addition, most financial aid programs require annual applications. The Office of Financial Aid will make every effort to assist the student in meeting his/her need using all resources available. Each student has certain rights and responsibilities in the financial aid application process. Therefore, it is important to read all information carefully to ensure compliance with regulations governing receipt and maintenance of financial aid funds. Failure to comply with regulations may result in loss of funding and/or eligibility.

Eligibility Requirements for Financial Aid

In general, a student is eligible for financial aid if he or she meets the following requirements:

- Be a U.S. citizen or an eligible non-citizen;
- Have a demonstrated financial need;
- Be making satisfactory academic progress (as defined by the college) in the course of study;
- Not be in default on a Federal Perkins Loan, Federal Stafford Loan, or Federal PLUS Loan;
- Be enrolled at the college for the purpose of obtaining a degree or certificate;
- Have a high school diploma or G.E.D., or meet special ability-to-benefit requirements;
- Be registered with the selective service if required to do so; and
- Not owe a refund on a Federal Pell Grant or Federal Supplemental Educational Opportunity Grant.

Eligibility Requirements for Texas Residents

Who Are Non-Citizens

The Texas State legislature extended eligibility for state student financial aid programs to certain non-citizens in the 2001 legislative session. This legislation is known as HB 1403 or the "Noriega Bill". To receive assistance from state aid programs the student must:

- Have resided with the individual's parent, guardian, or conservator while attending a public or private high school in this state, and
- Have lived in Texas at least three years as of the date of the GED or high school graduation, and
- Have earned the GED or graduated from a public or private high school in Texas, and
- Be registered as an entering student in an institution of higher education not earlier than the 2001 fall semester.

In addition, these individuals must sign an affidavit in the college's admissions office stating that they will apply for permanent resident status when they are eligible.



**Do you need
financial aid?**

**The time
to apply
is right now!**

Types of Aid Available

Financial Aid is categorized into two types: Gift Aid and Self-Help Aid. Gift Aid includes grants and scholarships that do not have to be repaid. Self-Help Aid includes Student employment and Student loans. Student loans must be repaid with few exceptions. In all cases, students should make themselves completely familiar with the terms and conditions of financial aid they receive. Brief descriptions of the most common programs are given below. For more detailed information, please visit the websites listed on the previous page. Since most programs have limited funding, it is important to apply as early as possible each year. A list of priority processing dates is listed later in this section. Funds for applications received after these dates may be limited.

Federal Pell Grant

Pell Grants are awarded to undergraduate students who have not earned a bachelor's or professional degree. For many students, Pell Grants provide a foundation of financial aid to which other aid may be added. Eligibility requirements include enrollment for at least 1 credit hour during an eligible enrollment period.

Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant program is for undergraduates with exceptional financial need—that is, students with the lowest Expected Family Contributions (EFC). Federal regulations give priority to students who receive federal Pell Grants. Eligibility requirements include enrollment for at least 3 credit hours.

Texas Public Educational Grant (TPEG)

Texas Public Educational Grants are for students enrolled in credit and certain continuing education courses whose educational costs are not met in whole or in part from other sources. TPE Grants may be used to assist students who have demonstrable financial need but may be ineligible for other aid programs. Eligibility requirements include enrollment for at least 3 credit hours.

Toward EXcellence, Access and Success (TEXAS) Grant

TEXAS Grants are for well-prepared, eligible graduates (no earlier than 1998) from public or accredited high schools in Texas. In addition to satisfying general eligibility requirements, recipients of these grants:

A student who:

- Is a Texas resident;
- Has financial need and an expected family contribution (EFC) of no more than \$8,500;
- Has applied for any available financial aid or assistance;

- Has not been previously granted a baccalaureate degree;
- Enrolls at least $\frac{3}{4}$ time in an undergraduate degree or certificate program at a Texas non-profit college or university;
- Has not been convicted of a felony or a crime involving a controlled substance; and
- Graduated from an accredited high school in Texas no earlier than the 1998-1999 school year;
- Completed the recommended or distinguished achievement high school curriculum or its equivalent (1), and
- Enrolls in an eligible Texas college or university within 16 months of high school graduation; OR



A student who:

- Is a Texas resident;
- Has financial need and an expected family contribution (EFC) of no more than \$8,500;
- Has applied for any available financial aid or assistance;
- Has not been previously granted a baccalaureate degree;
- Enrolls at least $\frac{3}{4}$ time in an undergraduate degree or certificate program at a Texas non-profit college or university;
- Has not been convicted of a felony or a crime involving a controlled substance;
- Received his/her first associate degree in May 2001 or later, and
- Enrolls in a higher level undergraduate program within 12 months of receiving the AD.

Academic performance and other requirements must be met for students to receive continuing eligibility.

Toward EXcellence, Access and Success (TEXAS) Grant II (TGII)

The TEXAS Grant II program provides aid to financially needy students enrolled in Texas public two-year colleges. In addition to satisfying general eligibility requirements, recipients of these grants:

A student who:

- Is a Texas resident;
- Shows financial need;
- If applying for a first-time award, has a family contribution of no more than \$2,000;
- Registers for the Selective Service or is exempt from this requirement;
- Is enrolled at least $\frac{1}{2}$ time (6 semester credit hours) in the first 30 hours (or their equivalent) in an associate's degree or certificate program at a public two-year college in Texas;
- Has not been granted an associate's or a bachelor's degree, and
- Has not been convicted of a felony or a crime involving a controlled substance.

Academic performance and other requirements must be met for students to receive continuing eligibility.

Leveraging Educational Assistance Partnership Program (LEAP, formerly SSIG) and Special Leveraging Educational Assistance Partnership Program (SLEAP)

LEAP and SLEAP are federally funded programs that provide grant assistance to financially needy students who are Texas residents and who receive state grant funds. Eligibility requirements include enrollment for at least 6 credit hours.

Rising Star Program

Each year, the Rising Star Program makes the following promise to graduating seniors in many Dallas County high schools. If you graduate from high school, demonstrate a modest level of academic potential, and have specific financial need, the DCCCD Foundation, Inc. guarantees you the opportunity to earn an associate's degree or job certification from any of the seven DCCCD colleges. The message that college is possible through the Rising Star program is an important one to send to students in Dallas County. The DCCCD Foundation is building a special endowment to make this a permanent opportunity for elementary and junior high school students who get the message early. Rising Star scholarships cover all direct costs, up to \$4,000, for tuition, books, and other charges associated with enrollment at a DCCCD college. For more information, visit www.dcccd.edu/fdn

Academic eligibility requirements for the Rising Star program are 1) graduation from a Dallas County public high school or Dallas CAN! Academy, and 2) ranking in the top 40% of the graduating class OR having at least a "B" average in a standard high school curriculum OR passing the Texas Success Initiative (TSI) approved tests and meeting course prerequisites before enrolling in college classes. Financial eligibility is based on number of people in the household and the annual family income.

Foundation and College Scholarships

Through the generosity of individuals, businesses, foundations, and many community professional and service organizations, the DCCCD Foundation and colleges have an array of student scholarships. Visit the college financial aid office to obtain a complete listing and application, or on the web at www.dcccd.edu/fdn/scholarships/scholarships.html. The colleges of the district have been given the authority and discretion to award Foundation scholarships within the guidelines of the general scholarship and award packaging policies of each school.

Stafford and PLUS Loans

Stafford Loans to students are either subsidized or unsubsidized. A subsidized loan is awarded on the basis of financial need. The borrower is not charged any interest before beginning repayment or during authorized periods of deferment. The federal government "subsidizes" the interest during these periods.

An unsubsidized loan is not awarded on the basis of need. The borrower is charged interest from the time the loan is disbursed until it is paid in full. If the borrower allows interest to accumulate, it will be capitalized—that is, the interest will be added to the principal amount of the loan and additional interest will be based upon the higher amount. The borrower can receive a subsidized loan and an unsubsidized loan for

the same enrollment period. A student must be enrolled in at least six credit hours to be eligible to borrow from the Stafford Loan Program.

Students planning to become teachers may be interested in Stafford Loan cancellation for teachers. Borrowers may be able to cancel up to \$5,000 of their Stafford Loans if they are teaching in a low-income school. To qualify, the borrower must work as a full-time teacher for five consecutive years in an elementary or secondary school that has been designated as a "low-income" school. The U.S. Department of Education each year designates low-income elementary and secondary schools, and a list of these schools, by year, is posted on the department's website. A full list of qualifying conditions and other information concerning repayment of loans may be found at www.ed.gov/offices/OSFAP/Students/ or from the college financial aid office.

PLUS loans enable parents with good credit histories to borrow for the education expenses of each child who is a dependent undergraduate student enrolled at least half time. The yearly limit on a PLUS loan is equal to the student's cost of attendance minus any other financial aid he or she receives. Eligibility requirements include enrollment for at least 6 credit hours.

Emergency Short-term Loans

The college has limited funds available for short-term loans to meet emergency needs of students. Loans are usually limited in amount, bear no interest, and must be repaid within 60 days of the date of the loan or the end of the term, whichever comes first. A late charge of \$10 and collection costs is added for payments made after the due date. To qualify, applicants must be making satisfactory academic progress (as defined by the college) and not have any debts or blocks on their college record.

Tuition Installment Pay Plan

See the "Money Matters" section of this catalog for information about paying tuition in installments.

Part-time Employment

The Federal College Work-Study Program (FCWS) is a need-based financial aid program that provides part-time (not to exceed 18.5 hours per week) employment for eligible students. To be considered, students should indicate their interest in work-study employment on the financial aid application they submit each year. The average wage for the FWCS positions is \$7.00 per hour.

The college also provides a limited number of part-time employment opportunities for students who do not demonstrate financial need. In some cases, the college may be able to help students find employment off-campus.

Tuition Exemptions

The State of Texas offers a number of exemptions for various categories of students. For example, exemptions are available to:

- Aid for Dependent children (AFDC) students,
- American (other than U.S.) hemisphere students,
- Blind or deaf students,
- Children of disabled firemen and peace officers,
- Children of prisoners of war or persons missing in action,
- Early high school graduation students,

- Salaried Fire fighters enrolled in fire science courses,
- Foster-care students,
- Highest ranking high school graduate,
- ROTC/National Guard students,
- Senior citizens, and
- Veterans and dependents

For a full list and the criteria for eligibility, visit or contact the Texas Higher Education Coordinating Board at 1-800-242-3062.

Vocational Rehabilitation

The Texas Rehabilitation Commission offers tuition assistance to students who are vocationally challenged as a result of a physically or mentally disabling condition. This assistance is generally limited to students who are not receiving other forms of financial aid. For information, contact the Texas Rehabilitation Commission at 1-800-634-2616.

American Indian/Native American Students

The Bureau of Indian Affairs offers educational benefits to American Indian/Native American students. For information, contact the Oklahoma Area Education Office at 405-945-6051 or 405-945-6052.

Veterans' Educational Benefits

The college assists veterans with completing proper forms and coordinating the certification procedures for monthly benefits administered under the auspices of the U.S. Department of Veterans Affairs (VA). The college veterans' affairs office may also provide information about VA educational benefits and assist with accomplishing enrollment and arranging tutoring services. (The VA website is www.va.gov.)

VA regulations are subject to change without notice. Contact the college veterans' affairs office for information about current regulations and procedures. Direct questions about specific financial benefits to the VA Regional Office at 1-800-827-1000.

Under the Hazlewood Act, certain Texas veterans who have exhausted their educational benefits from the VA can attend Texas public colleges and have tuition waived. To be eligible, the student must:

- Have been a resident of Texas at the time he or she entered the service,
- Have an honorable discharge,
- Must currently be a Texas resident,
- Must have exhausted any federal grant eligibility,
- Not be in default on any federal educational loans.

Financial Aid Application Process

To apply for financial aid in the DCCCD, applicants must complete the following items in a timely manner. In general, all application materials must be fully completed no later than 30 days before registration. Otherwise, the student will be expected to make payment arrangements with the Cashier's Office using personal resources at the time of registration. Late aid applications will be processed after registration for aid as it becomes available. Most scholarship programs have individual deadlines that must be met in order to be considered for an award from that particular scholarship program.

1. The *Free Application for Federal Student Aid* (FAFSA) is available upon request from the college financial aid office or from a local high school. Applicants should complete information on themselves and their spouses or parents (if applicable), and obtain the appropriate signatures as outlined in the directions for the FAFSA. The FAFSA can be filed with the government processor in one of the following ways:

- By mail: This method will require four to six weeks to receive a Student Aid Report (SAR); or
- By FAFSA on the web: Submitting the FAFSA to the government processor can be done over the Internet. The address to the website is <http://www.fafsa.ed.gov>. This method can take less than a week for the government to process.

2. Financial Aid awards will be made only after the FAFSA results have been sent to the college by the government processor and the entire financial aid application process has been completed. If a student's record is selected for verification (a review of the FAFSA data), all required documentation and corrected FAFSA information must be received before the application process is complete.

3. An Award Notification Letter is sent to each student who completes the application process and for whom aid eligibility can be determined. The Award Notification Letter contains the names and amounts of the financial aid awards that the student is eligible to receive. The letter also contains important information about restrictions and conditions that can affect the ability of the student to receive the amounts awarded.

4. Financial aid awards will be disbursed by the Business Office of each college according to the regulations of each award program. Please refer to the "Money Matters" section of this catalog for information on how and when aid is disbursed during each award period.

Release of Financial Aid Disbursements

The Business Office of the college cannot disburse financial aid awards until the student is enrolled in an eligible program of study as required by the guidelines of each applicable aid program. Some programs require attendance in all enrolled classes before aid may be released.

In general, aid may be applied to applicable tuition and fees no earlier than ten days prior to the start of classes each semester. Any excess amounts of awards, up to \$500, remaining after tuition and fees are paid that can be allowed to pay for textbooks and supplies will be released to eligible students no earlier than ten days prior to the start of classes, also.

The remainder of unpaid awards that are eligible to be released to the student for the semester will be disbursed by the Business Office within fourteen days after the certification date of the semester. Disbursement will be made by a deposit to a student check card or by paper check issued to the student.

Priority Processing Dates

SARS received by (date) For the period of

April 1	The next summer sessions
May 1	The next academic year
October 1	The next spring semester

Continuing students should file a FAFSA as soon as possible after January 1 of each year if they want to receive aid the next academic year.

Class Registration Deadlines

Financial aid programs require enrollment and attendance in class in order for financial aid awards to be paid toward educational expenses. An eligible enrollment is determined by validation that the student is registered in the required number of credit hours and in the correct program of study on the twelfth class day of the semester in which aid is to be paid. The official academic calendar of the college will be used to determine the official date of enrollment. If the student withdraws from the class after aid has been paid, he or she may be required to return a portion of the financial aid received for the term. Please read the following section, "Return of Federal Title IV funds Policy."

Return of Federal Title IV Funds Policy – Effective Date August 21, 2000

Colleges of the Dallas County Community College District return unearned funds received from Federal student assistance programs to the proper program accounts or lenders in accordance with Federal Title IV student assistance regulations, as amended, under 34 CFR, section 668.22(d) of the Reauthorization of the Higher Education Act of 1965, with rules of the Texas Higher Education Coordinating Board and with district board policies.

The student receiving assistance from Federal Title IV programs is required to complete a minimum number of hours for which assistance was received. If the student completely withdraws from school during the semester, or quits attending, but fails to officially withdraw, the student may be required to return the unearned part of the funds which were received to help pay educational expenses for the semester. Liability for return of Federal Title IV funds will be determined according to the following guidelines:

1. If the student remains enrolled and attends class beyond the 60% mark of the semester in which aid received, all federal aid is considered earned and not subject to this policy.
2. If the student completely withdraws from all classes before completing 60% of the semester, a *pro-rated* portion of the federal aid received must be returned to the federal aid programs equal to the percentage of the semester remaining.
3. If the student does not officially withdraw from classes, and stops attending all classes, a *pro-rated* portion of the federal aid received, based on the documented last date of attendance, must be returned to the federal aid programs. If the college is unable to document the last date of attendance, one-half of all federal aid received during the semester must be returned to the federal aid programs.

Return of Federal Title IV funds will be distributed according to statutory regulations. Worksheets provided by the U.S. Department of Education or calculations produced through the Datatel/Colleague Return of Funds (ROF) subroutine will

be used to determine the amounts and order of return. If a student's share of the return amount exists, the student will be notified and allowed 45 days from the date of determination to return the funds to the business office of the college for deposit into the federal programs accounts. If the student does not return the amount owed within the 45 day period, the amount of overpayment will be reported to the U.S. Department of Education (USDE) via the National Student Loan Database (NSLDS) and the student will be referred to the USDE for resolution of the debt.

Examples of how this policy is applied are available upon written request to Dallas County Community College District, Office of Financial Aid, 701 Elm Street, Dallas, Texas 75202.

Distance Learning

In most cases, federal and state agencies award financial aid similarly for traditional on-campus and distance education classes. However, students should be careful to adhere to the rules and regulations that apply to distance education where financial aid is concerned. For more information, visit www.telecollege.dcccd.edu.

Don't wait until the last minute to apply for financial aid. Early application is essential to ensure all paperwork arrives in the right place at the right time.

Standards for Satisfactory Academic Progress (SAP)

Colleges of the DCCCD are required by law to formulate standards to gauge the progress of students receiving financial assistance through federal, state, or institutional student aid programs by applying both qualitative and quantitative measurements to academic work. [34 CFR 668.16(e)] A maximum time limit for the completion of a degree, a comparison of attempted to

completed credit hours, and a minimum cumulative grade point average (CGPA) are used by the DCCCD to measure satisfactory academic progress. Satisfactory progress is reviewed at least once per academic year, at the end of the spring semester. Students who do not meet either the qualitative or quantitative standards at the end of the spring semester will be placed on suspension for the next award year in which they enroll. An exception to this rule is for students who exceed the overall time limits for program completion. Once the maximum time frame is reached, the student is suspended from receiving additional financial assistance to complete that program at the end of that particular academic term.

(Note: Some non-federal student aid programs (i.e., state and private foundations) have specific SAP requirements unique to the individual program. In those instances, the program requirements will supercede the general SAP policy stated here. It is the student's responsibility to understand the requirements of each financial aid program from which aid is received.)

Quantitative Progress

Federal student aid regulations state that student eligibility cannot extend past 150% of the stated length of a student's program of study. Associate degree programs in the DCCCD generally require up to 66 semester credit hours for completion. Therefore, a student who is working toward an associate degree must complete that program within 99 attempted semester credit hours (66 hrs. x 1.5). The maximum time frame for a certificate program would be similarly calculated.

A student's entire enrollment history is considered when evaluating academic progress within the established time frame, whether or not aid has ever been received. An otherwise eligible student may receive financial aid for a maximum of 30 attempted credit hours in developmental/remedial course work. Once the 30 credit hour maximum is reached, additional developmental credit hours will not be used to calculate the award amount, but will continue to count toward the overall maximum time frame.

As indicated in the above paragraph, at the end of the academic term in which the maximum number of allowed hours has been attempted, the student loses eligibility for financial assistance to complete that program.

A financial aid recipient must also be making progress toward completing his or her program by successfully completing at least a minimum number of the hours attempted. The table below indicates the minimum number of hours that must be successfully completed before the end of the spring semester each year for the applicable enrollment level.

Requirements for Hours Completed

<i>Hours Attempted</i>	<i>Hours Required to Complete with a Passing Grade</i>
24 or more	18
18-23	12
12-17	9
6-11	6
5 or less	Must complete all

Courses with a recorded grade or mark of "F", "W", "WX", "E", or "I" are not considered successfully completed. Repeated courses will be included in the total number of attempted enrollments used in measuring the overall time frame for completion of a program. **Only courses attempted within the DCCCD will be considered in measuring the completion rate for academic progress.** Courses transferred from other institutions outside the DCCCD will be considered only for monitoring the overall time frame for completion of a student's program of study.

Qualitative Progress

Each financial aid recipient's academic record is reviewed at the end of the spring semester to measure the student's qualitative academic progress. Students are expected to maintain a minimum cumulative grade point average (CGPA) of 2.00 while they are enrolled within the DCCCD. Only courses attempted within the DCCCD will be considered in measuring the CGPA for academic progress. The GPA on transfer work will not be considered in computing the CGPA for financial aid satisfactory academic progress.



A student falling below this minimum CGPA at the end of the spring semester will be placed on financial aid suspension.

Reinstatement Procedures

The college will review academic records at the end of the spring semester each year and determine each student's compliance with SAP. Students who fail to satisfy SAP will be placed on financial aid suspension for the next award year in which they enroll. To regain eligibility, a student must pay the expenses related to enrollment from the personal resources until the student has satisfied the minimum standards of SAP. If a determination is made that the student is qualified for reinstatement, the upgrade status will become effective with the start of the next period of enrollment. Financial aid will be terminated for students who receive three suspensions for failure to meet standards of SAP.

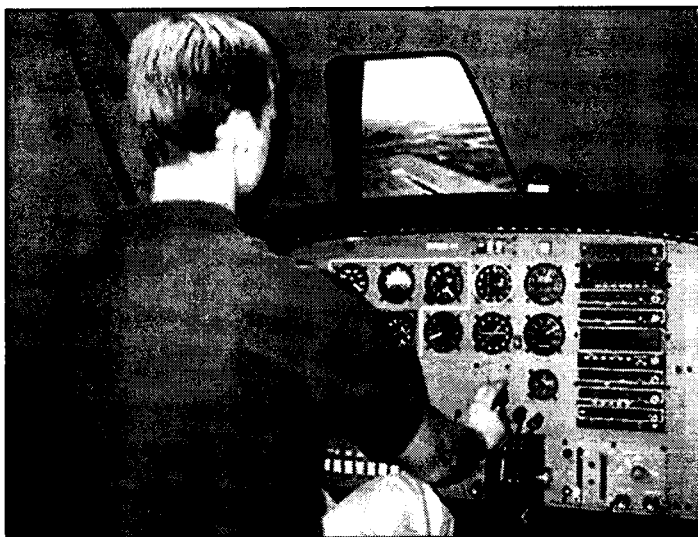
Appeals Procedures

The DCCCD recognizes that students sometimes encounter circumstances beyond their control that can adversely affect their academic progress. Any student subject to suspension of financial aid eligibility may appeal to the Office of Financial Aid for a review of the decision.

The appeal must be made to the director at the college where the student is planning to enroll. The appeal must be submitted in writing and must include an explanation and documentation of the reason(s) why the minimum academic standards required by this policy were not achieved, and that the adversity has been resolved.

All appeals must be attached to an Appeal of Financial Aid Suspension form that can be obtained from the Financial Aid Office. The Financial Aid Officer will review the appeal and the student will be notified by the Financial Aid Office, in writing, within five working days after the appeal decision is made.

All documents pertinent to the appeals process become part of the student's financial aid record. If the petition is denied, the student has the right to request that the appeal decision be reconsidered by the college administrator to whom the financial aid office reports. The decision of the supervising administrator is final. The administrator shall also have the authority to place conditions upon the receipt of any financial aid for those cases in which aid is reinstated.



Students whose financial aid eligibility has been terminated after being suspended for the third time will forfeit their right of appeal and reinstatement to eligibility.

State-Mandated Standards of Satisfactory Academic Progress (TXG-SAP) for the TEXAS Grant

The Texas state legislature has included specific standards of Satisfactory Academic Progress for students receiving TEXAS Grants. As with the general SAP policy, the TXG-SAP has both a quantitative and qualitative standard that must be achieved each year to renew the award. The qualitative standard of 2.50 cumulative grade point average (CGPA) must be met by the end of the second year after the first grant was received. Texas law requires that the CGPA calculation must include all coursework taken for college credit from all institutions from prior semesters regardless of whether financial aid was received during that time. The quantitative standards limit the student to 150 credit hours or 6 years whichever comes first. In addition, the student must successfully complete at least 75% of the hours attempted during the last academic year.

Reinstatement Procedures

Students may appeal to the Office of Financial Aid for reinstatement to the TEXAS Grant Program. If the suspension is due to an insufficient CGPA the student may request in writing that the hours taken in the following summer be included in the calculation. If the new calculation achieves a CGPA above 2.50, and the student is otherwise eligible, then the student may be reinstated to eligibility. If the suspension is due to a deficient completion rate (below 75%), the student must complete a full academic year and attain a completion rate of 75% or better in the following year in order to be reinstated to eligibility.

Students' Rights and Responsibilities

• *You have the right to know...*

- What financial aid programs are available in the Dallas County Community College District
- The deadline for submitting applications for each of the programs.
- How financial aid will be distributed, how decisions on distributions are made, and the basis for these decisions.
- How your financial aid was determined. (Costs for tuition, fees, room, board, travel, books, supplies, personal and miscellaneous expenses are considered in your budget)
- What resources (your current assets, parental contribution, other financial aid, etc.) were considered in the calculation of your need.
- How much of your financial need as determined by the college has been met.
- The details of the various programs in your student aid package.
- What portion of the financial aid you received must be repaid, and what portion is grant aid. If the aid is a loan, you have the right to know the interest rate, the total amount that must be repaid, the payback procedures, and the length of time you have to repay the loan, and when the repayment is to begin.
- How DCCCD determines if you are making satisfactory progress and what happens if you are not.

• *In accepting your responsibilities you must...*

- Complete all application forms accurately and submit them on time to the proper place.
- Provide correct information. In most instances, mis-reporting information on financial aid application forms is a violation of law and may be considered a criminal offense that could result in an indictment under the U.S. Criminal Code.
- Return all additional documentation, verification, corrections, and/or new information requested by either the Office of Financial Aid or the agency to which you submitted your application.
- Be responsible for reading and understanding all forms that you are asked to sign, and for keeping copies of them.
- Live up to all agreements that you sign.
- Perform the work agreed upon in accepting a work/study award.
- Be aware of and comply with deadlines for application or reapplication for aid.
- Be aware of the DCCCD refund procedures.
- Be aware that early withdrawal from the term may result in a *pro rata* reduction of financial aid eligibility. Such a reduction may require that you repay money that you received to attend school.
- Report change in name, address, e-mail address and telephone number to the Office of Financial Aid and Registrar Office.

—Registering For College—

How to register

When you are admitted, you will receive notification about when you can register for classes. Class schedules made available each semester and summer session outline the courses that are planned. As students register, some class sections reach capacity, making them unavailable to more students. You may select classes available at the time you register.

Registration for specific courses takes place throughout the academic year. Refer Flexible Entry Courses in this section and/or contact the Advising/Registration Offices for additional information.

Follow these steps:

1. After receiving notification that your Application for Admission has been accepted, ask the Admissions Office staff what assessment steps are required for you.
2. Obtain a schedule for the semester or summer session for which you are enrolling. Schedules are available at the college and online.
3. Meet with an advisor to determine the courses you wish to take. You may be eligible for online or telephone registration if you meet specific eligibility criteria. Refer to *Recommended Academic Load* in this section.
4. Register for classes.
5. Pay for your classes by the designated due date on your registration summary.

Assessment Procedures

Our assessment services evaluate your readiness for certain college courses and determine whether you are likely to be successful in those courses. The college offers an assessment and advisement program for entering students that is a required part of the enrollment process.

The assessment program is comprised of several parts. You complete a questionnaire that documents information about your career and work plans, previous academic achievement and other relevant information. Your basic skills in reading, writing and mathematics are also assessed; this information may come from ACT, SAT, previous college-level work or from scores on the standardized tests administered at the college. If you have previously taken any of the Texas Success Initiative (TSI) state approved tests, you will also need these scores. *You should have official copies of ACT, RSAT, SAT, THEA, TAAS, or TAKS scores and transcripts mailed to the Admissions Office or make them available when you apply for admission. It is your responsibility as a student to have these available when you enroll.*

The assessment program provides you and your academic advisor the information you need to make informed decisions. Information about your skills, abilities, career plans, educational background, life experiences and motivation is important in helping you make selections from the many educational options available.

Students may be required to assess by taking one of the TSI state approved assessments prior to enrolling in classes that have prerequisite skills in reading, writing, or math.

The college reserves the right to advise students in the appropriate remediation if assessment results indicate a need for improving skills in reading, writing, and/or mathematics. No student shall be exempt or waived from prerequisites without first evidence of academic readiness.

Details of assessment and advisement procedures are available through the college Counseling/Advisement Center or in the college class schedule, published each semester.

Counseling & Advisement Services

The college offers valuable resources in the Counseling/Advisement Center to help you plan each semester of study.

Our counselors and academic advisors can assist you in selecting courses of study, determining transferability of courses, choosing or changing careers, gaining independence, and confronting problems of daily living. Counseling and advising staff provide assistance in the following areas:

- Career counseling to explore possible vocational directions, occupational information, and self-appraisal of interest, personality and abilities.
- Academic advisement to develop and clarify educational plans and make appropriate course choices.
- Confidential counseling sessions to assist you in managing the academic environment and dealing with issues that may hinder success.
- Small group discussions led by counselors focusing on such areas as interpersonal relationships, test anxiety,



and assertiveness. Counselors will consider forming any type of group for which there is a demand.

- Crisis intervention and referral sources to provide in-depth assistance for such matters as legal concerns, financial aid, tutoring, job placement, medical problems, or emotional problems.

Among the Counseling/Advisement Center's resources are computerized transfer guides, a large collection of senior institution catalogs and bulletins, senior college admission application forms, and other specialized brochures and information.

You can also take advantage of several computer resources to help you clarify goals, identify career and occupational interests, and research information about senior institutions.

The college also plans events especially for students who plan to transfer. These activities include College Days where officials from senior institutions visit on campus to talk directly with you, special transfer workshops and seminars, and events designed to assist students in making career decisions. Many other materials are available to help you if you plan to transfer, including Transfer Guides and Course-by-Course Equivalency Guides.

Flexible Entry Courses

In keeping with its commitment to meet individual educational needs, the college offers flexible entry courses. These courses are often self-paced, allowing you to work at your own speed. You should be aware of the time specified by the college that course requirements need to be completed. You should check with the Registrar to determine times for registration in these courses. You must obtain approval to enroll in these courses.

Recommended Academic Load

The maximum academic load is 18 credit hours of course work per semester or five classes plus physical education. You must receive permission from the appropriate college official to carry a heavier load. If you are employed and carrying a full load (12 credit hours or more), it is recommended that you not work more than 20 hours per week. If you work more than 20 hours, you should consider reducing your academic load proportionately.

The recommended load limit for day or evening students who are employed full-time is six credit hours. The recommended load limit in a six-week summer session is six credit hours. For shortened terms, you may not enroll for more credit hours than the total number of weeks the class meets; i.e. for a 3 week term, you may register for no more than 3 credit hours. Contact your college advisor for specific information.

Change of Schedule

You should pay close attention to the days and meeting times for your classes. If you must request a class change, contact the Advising/ Registration Offices during the time specified in the current Class Schedule. No change is complete until it has been appropriately processed through the registration system.

Classification of Students

<i>Freshman:</i>	A student who has completed fewer than 30 credit hours.
<i>Sophomore:</i>	A student who has completed 30 or more credit hours.
<i>Part-time:</i>	A student carrying fewer than 12 credit hours in a fall or spring semester.
<i>Full-time:</i>	A student carrying 12 or more credit hours in a fall or spring semester.

Learner Services

Student Programs and Resources

Recent research in higher education indicates that for many students involvement is an important contributor to academic success. That's why the college plans activities to encourage your involvement in college life.

SPAR staff plans and presents a variety of programs and activities for students and the surrounding community. These programs may include but not limited to lectures, art gallery visits/receptions and performance events to provide students with a stimulating co-curricular education. Programs often are coordinated with the various instructional divisions to provide you with valuable educational experiences. Leadership conferences, retreats, diversity training, and volunteer opportunities offer you opportunities to develop skills that enrich your quality of life.

The institution invites you to take an active role in your college experience. You have many opportunities to become involved in the decision-making processes for the college. You may want to join a student club, participate in student government/ambassador activities, or serve on one of several committees engaging in real decision making for the college. You may be able to become involved regularly in decisions regarding:

- Improvements for an aspect of the college (facilities, services provided, instruction, etc.);
- programming speakers and special events offered to the student body;
- student disciplinary hearings;
- conducting (or completing) surveys and questionnaires designed to gather information about your college experiences; and/or
- The selection process of new college administrators.

Assessment/Testing Center

The Assessment/Testing Center offers a variety of testing services that meet the expressed needs of students, staff and the community. Assessment/Testing Centers provide these services:

- Academic testing (instructors' tests, make-up exams, self-paced exams and distance education testing)
- Assessment testing that meets both TSI and placement requirements.
- Standardized exams (national and state exam programs such as: ACT, SAT, CLEP, GED, THEA, etc.)
- Psychometric Testing (assessment of personality, vocational interests, aptitude, etc.); you must be referred by a counselor or appropriate faculty member for psychometric testing.

Before taking a test in the one of the Assessment/Testing Centers, you must provide photo identification. Some centers may also require a student identification card. There is a charge for some test services. For additional information, please contact the college Assessment/Testing Center.



The Code of Student Conduct provisions regarding disruptive behavior and/or academic dishonesty apply equally to Assessment/Testing Centers and classrooms. Irregularities will be referred to the proper authorities for disciplinary action. See the Code of Student Conduct.

Career Planning and Job Placement Services

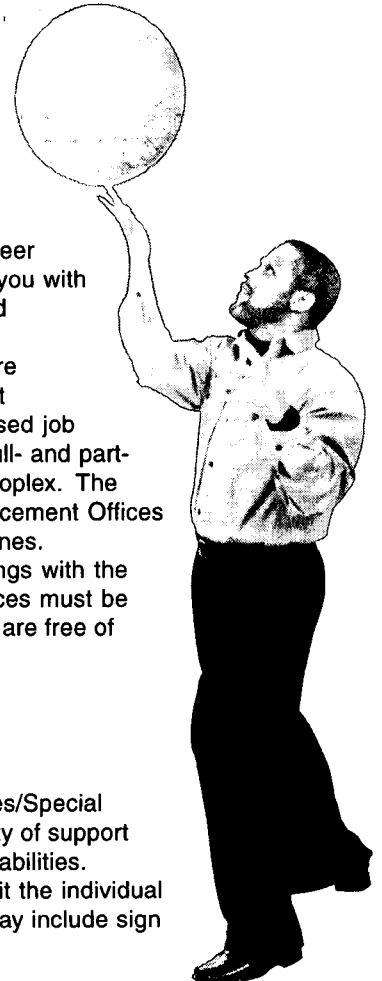
The college provides career planning and job placement services free of charge to

students, alumni, former students and those in the process of enrolling. The Career Planning and Job Placement Office may provide opportunities for you to learn job search skills, such as how to establish employment contacts, complete an application, write a resume and cover letter, and interview for a job. In addition, the college may offer services such as career testing and computerized career guidance programs to assist you with choosing a college major and making career decisions.

Job listing services are provided at the college, and it participates in an Internet-based job listing service that contains full- and part-time opportunities in the Metroplex. The Career Planning and Job Placement Offices strictly adhere to EEO guidelines. Employers posting job openings with the college Job Placement Services must be EEO employers. All services are free of charge to you.

Disability Services/ Special Services Offices

The Disability Services/Special Services Offices offer a variety of support services for students with disabilities. Services are coordinated to fit the individual needs of the student. They may include sign





language interpreting, computer-aided real-time translation (CART), note-taking, tutoring, reader/scribe services, use of assistive technology, loan of specialized equipment, and providing large print materials. Academic and career advisement services, special testing arrangements, priority registration, and extensive information and referral services are also available.

Students requesting services are responsible for providing current educational or psychological/medical documentation from a qualified professional verifying the disability and the need for services. New students are encouraged to contact the Disability Services/Special Services Office at least one month prior to registration.

Students with disabilities attending the college have a right to appeal decisions concerning physical and academic accommodations by submitting a written petition to the designated Americans with Disabilities Act (ADA) Compliance Officer of the college.

For additional information, contact the Disability Services/Special Services Office at the college or see <http://www.dcccd.edu/access/>.

Health Services and Insurance

The Health Center is a multi-purpose facility that promotes health, wellness, and preventive care for the college community. Registered nurses coordinate and provide the health services that include:

- First aid for accident, injury or illness;
- Health information and brochures;
- Some over-the-counter (non-prescription) medicines such as Tylenol, aspirin and antacids;
- Referral information for community health services;
- Selected health education and screening programs;
- Confidential health counseling; and
- A rest area.

Health services are available to current students and staff. You do not need to be sick to come to the Health Center. Health questions and concerns are welcome. Students with chronic health problems should visit the Health Center to discuss any special concerns with the nurse before attending classes or whenever problems arise. No information about your health will be released without your written permission unless required by law.

We recommend that all prospective students have adequate immunization for bacterial meningitis, diphtheria, rubella, rubella, mumps, tetanus and poliomyelitis. See the **Texas Department of Health's Recommended Adult Immunization Schedule** at <https://www1.dcccd.edu/catalog/admiss/immune.cfm>

Optional student health insurance, with optional coverage for spouse and children, is available through outside vendors. These limited coverage policies are administered by insurance companies at a cost as outlined by these companies. Students may acquire a list of vendors from their college Health Center, International Student Advisor Office or at <https://www1.dcccd.edu/catalog/ss/sd/insurance.htm>

Housing

The college does not operate dormitories of any kind nor maintain listings of available housing for students. If you do not reside in the area, you must make your own arrangements for housing.

Library

The college libraries are information centers which support academic transfer programs and technical/occupational programs through classroom instruction and distance learning. Each college library, <http://library.dcccd.edu/>, maintains a substantial collection of books, journals, and electronic resources on a variety of subjects. Additionally, there are special collections available for career materials, pamphlets, newspapers, popular magazines and technical periodicals. Other resources provided may include slides, tapes, compact discs, computer software, videotapes, films, digital videodisks, links to websites, electronic books, and online databases.

The college librarians orient users to the information environment and introduce them to the tools needed to





navigate an increasingly complex world of information resources. Through orientation and research classes, librarians provide information skills to help the users achieve academic goals.

Willful damage to library materials (or property) or actions disturbing other library users may lead to the loss of library privileges. Damage cases are referred to the appropriate authorities for further action. All books and other library materials must be returned before the end of each semester. Student transcripts will not be issued until all library records are cleared.

College Police Departments

Campus safety is provided within the framework of state law to protect and police buildings and grounds. All state laws apply to the campus community. College Police Department officers are licensed Peace Officers of the State of Texas; they are specifically trained and educated to protect life and both college and personal property. These officers are vested with full authority to enforce all Texas laws and rules, regulations, and college policies, including the Code of Student Conduct.

The college complies with the provisions of the *Campus Security Act of 1990*, Public Law 101-542. Copies of the document for each campus are available upon request through the College Police Department.

Student Organizations

Information about participation in any organization may be obtained through the Student Programs and Resources (SPAR) Office. The development of student organizations is determined by student interest. Categories of organizations include:

- Co-curricular organizations pertinent to the educational goals and purpose of the institution;
- Social organizations to provide an opportunity for you to make friends and establish a sense of community with fellow students;
- Service organizations to promote your involvement in the community; and
- Pre-professional and academic organizations to contribute to your career development.

Tutoring Services

The college may provide individual and small group tutoring as an academic support service for students needing extra help with coursework and/or study skills. You should seek these services early in the semester.

Athletics

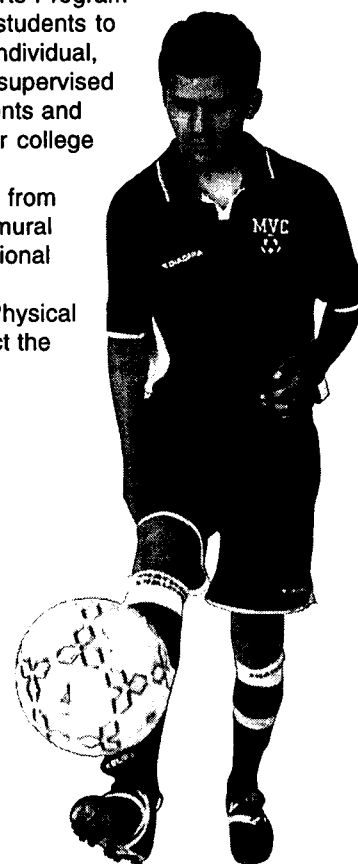
Intercollegiate Athletics

The intercollegiate athletic program provides student athletes opportunities to compete in sports in an educational environment. Bringing together those students with motor skills beyond the level of the college physical education class and/or intramural offerings, the program promotes physical fitness, intellectual development, social interaction, sportsmanship and team commitment.

The athletic program strives to bring together both participants and spectators of diverse ethnic and cultural backgrounds. Participation on athletic teams is voluntary on a non-scholarship basis for women and men meeting requirements established by the Metro Athletic Conference and the National Junior College Athletic Association (N.J.C.A.A.). Most teams are associated with the N.J.C.A.A., and our conference champions compete at regional, district and national tournaments. In the last several years, the college teams have been the N.J.C.A.A. Division III national champion in baseball and numerous sports. For more information regarding eligibility, rules, standards, and sports offered contact the school Athletic Department or Physical Education Office.

Intramural Sports

The Intramural Sports Program provides opportunities for students to participate in a variety of individual, dual and team sports in a supervised recreational setting. Students and employees can enrich their college life, have fun, make new acquaintances and benefit from exercise through the Intramural Sports Program. For additional information, contact the intramural director in the Physical Education Office, or contact the Student Programs and Resources (SPAR) Office.



—Academic Information—

Degree Requirements

The college confers the Associate in Arts Degree, Associate in Sciences Degree, the Associate in Applied Sciences Degree, the Associate of College/University Transfer Degree, Certificates and Fields of Study awards to students who have completed all stated requirements.

If you are seeking a certificate or associate degree, you must submit official transcripts of all previous work attempted before a certificate or degree will be awarded. If you fail to submit official transcripts from other institutions you have attended, you will not receive a degree or certificate.

Students must meet all Texas Success Initiative (TSI) standards in order to receive a degree from the college.

To qualify for a second degree or certificate, you must fulfill the residence requirement and must complete all required courses in the plan for the second degree or certificate.

For any degree or certificate earned in the college a student must earn at least 25% of the credit hours required for graduation through instruction (not credit-by-examination) by the college of the DCCCD granting the award. The degree must be awarded by a college that offers the program in which you majored. The Registrar must approve correspondence work for graduation credit. If you qualify for a degree from more than one college of the DCCCD, you must indicate which college is to award the degree. The following courses will not be counted toward any degree requirements: Courses numbered below 1000, ARTS 1170, MUSI 9176, and DRAM 1170.

Associate in Arts and Associate in Sciences Degrees

These degrees are designed as the equivalent of the first half of a baccalaureate degree. Both are general plans and may or may not satisfy the requirements of a specific transfer university. Students desiring to transfer should seek one of these degrees after consultation with the college Counseling/Advising Center. However, in keeping with Texas State law, students who complete the 48 hour credits of the core curriculum are assured that the core should transfer to any Texas public college or university; in such instances, the core should be substituted for the core requirements of the receiving institution. Therefore, in pursuing a degree, students are encouraged to complete the entire core within the college. However, care should be taken in the selection of math and science courses to ensure that those courses also meet requirements of the proposed major at the transfer institution.

Students transferring from another Texas public college or university who have completed that institution's core requirements are assured that DCCCD will accept the completion of that core in lieu of its own toward the requirements for the Associate in Arts or the Associate in Sciences degree.

In order to receive either of these degrees, students should complete the college's 48-hour core curriculum and a minimum of 13 additional elective hours. Students should look and follow the degree outline for those degree requirements.

The Associate in Sciences degree differs from the Associate in Arts degree by requiring an additional 3 hours to be selected

from a course with the prefix of BIOL, BCIS, COSC, CHEM, MATH, PHYSICS, or GEOL. Students are not eligible to receive both degree titles.

A maximum of four physical education activity hours may be counted as credit toward requirements for graduation. The GPA for graduation is based on the credit earned for all courses taken in colleges of the DCCCD and for all credit which is transferred from other institutions. The following courses will not count toward graduation nor the GPA for graduation: Courses numbered below 1000, ARTS 1170, MUSI 9176, and DRAM 1170.

Students who wish to complete a degree totally through distance learning courses should read the section entitled Distance Learning Program and consult the degree plan outline located elsewhere in this catalog.

Fields of Study

The Texas Higher Education Coordinating Board has created Fields of Study designed to transfer as a block of credit to any Texas public college or university. Such Fields of Study comprise the courses a student should complete at the freshman and sophomore level that will lead to a specific major in a degree. Students' transcripts will include a notation indicating a specific Field of Study has been completed. In order for such a notation to appear, students must successfully complete specific courses within each Field of Study. No course substitutions, other than those shown within the degree plan, will be permitted.

In addition, students may wish to combine a completed Field of Study with the core curriculum requirements to complete the appropriate



Associates degree. In order to do so, students should complete the courses indicated in the degree plans located elsewhere in this catalog. However, care must be taken as in some instances students may have to make a choice between pursuing the degree or the official Field of Study because of the number of hours required. As additional Fields of Study are made available, information may be located on the college web page.

At the time of printing this catalog,
the following Fields of Study, or majors,
are available:

Field of Study Degrees

- Associate in Sciences Degree with a Field of Study in Business
- Associate in Sciences Degree with a Field of Study in Computer Science
- Associate in Arts Degree with a Field of Study in Criminal Justice
- Associate in Sciences Degree with a Field of Study in Engineering Technology—Computer Engineering Technology
- Associate in Sciences Degree with a Field of Study in Engineering Technology—Electrical Engineering Technology
- Associate in Sciences Degree with a Field of Study in Engineering Technology—Electronics Engineering Technology
- Associate in Arts Degree with a Field of Study in Mass Communications—Advertising & Public Relations
- Associate in Arts Degree with a Field of Study in Mass Communications—Broadcast Journalism
- Associate in Arts Degree with a Field of Study in Mass Communications—Journalism
- Associate in Arts Degree with a Field of Study in Music
- Associate in Arts Degree with a Field of Study in Teacher Preparation for Pre-K - Grade 4
- Associate in Sciences Degree with a Field of Study in Teacher Preparation for Grades 4-8 Certification

Associate in Arts/Associate in Sciences

“Emphasis” Degrees

In addition, the college offers a number of “emphasis” degrees in specific majors. An “emphasis” degree is one designed by the college. It includes the core curriculum required in all degrees plus courses within the student’s desired major. Students pursuing an “emphasis” degree should work closely with an advisor to ensure all courses will transfer and count toward the major at the selected institution to which the student plans to transfer. An “Articulated Emphasis” degree is one that will transfer to specified universities. As additional Emphasis Degrees are made available, information may be located on the college web page. At the time of printing this catalog, the following Emphasis Degrees are available:

Emphasis Degrees

- Associate in Arts Degree with an Emphasis in Art
- Associate in Arts Degree with an Emphasis in Bilingual Teacher Preparation for Early Childhood Pre-K – Grade 4
- Associate in Sciences Degree with an Emphasis in Bilingual Teacher Preparation for Early Childhood Pre-K – Grade 4
- Associate in Sciences Degree with an Emphasis in Bilingual Teacher Preparation, Grade 4-8
- Associate in Arts Degree with an Emphasis in Early Childhood Education – Grade 4 Teacher Preparation
- Associate in Sciences Degree with an Emphasis in Electrical Engineering
- Associate in Arts Degree with an Emphasis in Humanities
- Associate in Sciences Degree with an Emphasis in Mathematics
- Associate in Arts Degree with an Emphasis in Peace Studies
- Associate in Arts Degree with an Emphasis in Photographic/Imaging
- Associate in Arts Degree with an Emphasis in Teacher Preparation—Teacher Preparation General Education
- Associate in Arts Degree with an Emphasis in Teacher Preparation—Urban Education

Associate in College/University Transfer Degree

Only students who plan to transfer to a private or out-of-state college or university may earn an Associate in College/University Transfer through an individually-negotiated degree plan that incorporates those elements of the Associate in Arts or Associate in Sciences Degree that fall within the student’s transfer plan. Students must have completed a minimum of 61 credit hours; earned a grade of “C” or better in English 1301, the selected college level math course, and speech (if required); a grade point average of at least “C” (2.00) based upon GPA (2); and have met all TSI standards (if students are not TSI exempt) to receive this degree. These 61 hours may be earned at any college of the DCCCD and must include:

- History 1301 and 1302 (6 credit hours)
- Government 2301 and 2302 (6 credit hours)
- English 1301 (3 credit hours)
- A college-level math course numbered 1300 or above (3 credit hours)
- Either Speech 1311 or 1315 (3 credit hours)
- 3 credit hours to be selected from Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; or Music 1306, 1308, 1309

The remaining hours will be comprised of courses equivalent to those designated by the student’s selected private or out-of-state transfer institution as being applicable to the baccalaureate degree being sought. In no case will course prerequisites be waived. Students who qualify for an Associate in Arts or the Associate in Sciences degree will be granted that degree rather than the Associate in College/University Transfer degree. Students who qualify for the Associate in Arts or the Associate in Sciences degree are not eligible for the Associate in College/University Transfer degree.

Students who wish to transfer to another Texas public college or university should follow the Associate in Arts/ Associate in Sciences degree plans because those degree patterns includes the 48 credit hour core requirements. Such students are not eligible to apply for an Associate in College/ University Transfer degree.

Associate in Applied Sciences Degree

This degree is designed to teach specific career/ technical skills. The requirements for each major in the Associate in Applied Sciences Degree are clearly shown in the curriculum patterns in this catalog. Students seeking such a degree should become familiar with the specific required courses in the appropriate curriculum pattern.

Students must have a minimum of 60 credit hours with a grade of "C" or better in each of the following three general education courses: English 1301 or English 1302, (whichever is required), Speech 1311 or 1315 (whichever is required), and Mathematics 1314 or higher *or* Science (whichever is required). Each Associate in Applied Sciences Degree requires students to take three credit hours from the general education categories of Humanities or Fine Arts and three credit hours from Social Sciences or Behavioral Sciences (the specific curriculum pattern will cite what students must take to meet these requirements). Additionally, each student must earn a grade point average of at least 2.00 ("C"), based on GPA # 2, and meet all TSI standards in Reading, Writing, and Mathematics. The GPA is based only on the credit hours used to meet degree requirements and the following courses will not count toward graduation or the GPA for graduation: Courses numbered below 1000, Arts 1170, Drama 1170, and Music 9176.

Specific degree requirements for each career and technical program can be found in this catalog. For some programs, more than 60 credit hours are required. All prescribed requirements for the specific program degree in which the student is enrolled must be completed. These programs may also have other criteria in addition to degree requirements. See the Career and Technical Programs section of this catalog for a more detailed explanation.

Certificate Program Requirements

Certificate Programs are part of the Career and Technical Program offerings. In order to be awarded a certificate, you must complete all program course requirements with a grade point average of 2.00 ("C") or better. Only the grades for the specific courses required in the certificate program will be used in calculating the GPA to determine eligibility for these awards.

Some certificate programs do not require you to meet TSI standards, but course prerequisite requirements for such certificates must be met. When you seek a TSI waiver based upon participation in one of these certificate programs, you may not enroll in any course other than those required for completing the certificate program requirements. If you attempt other coursework, your TSI waived status will end and you must meet the TSI standards that apply to students not enrolled in a TSI waived certificate program.

The specific requirements for each certificate program are outlined within each technical specialization. See *Career and Technical Programs*.

Older Course Work Taken

Some course descriptions have a statement that indicates a course formerly was known as "Prefix and Number." While this often means the new course replaces the former course, this is not true in all cases. For example, if the new course has a different amount of credit hours, a different course title, or the same course number is listed under one or more courses, the newer course will not automatically replace the former course in the records of students. Students who wish to use the older course to fulfill a degree plan requirement will need to contact the college Admissions Office or appropriate division office to process a substitution form.

Course Prerequisites

Course prerequisites must be met at the point of registration. Students are expected to take either courses or meet assessment standards in order to meet the course prerequisites. The college reserves the right to administratively withdraw students who have not met the specific course prerequisites. In such cases, students will be notified and given the opportunity to register for a replacement course.

STUDENTS WHO PLAN TO TRANSFER

Core Curriculum

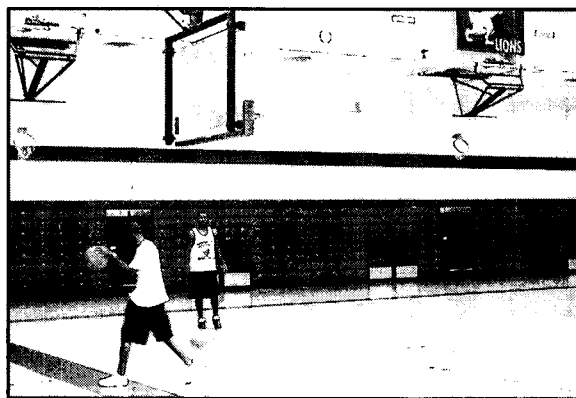
Every Texas public college and university is required by Texas law to have a core curriculum that, if completed at one institution, should transfer and take the place of the core at the receiving institution. Therefore, if your plans include transferring to a Texas public university, it is to your distinct advantage to complete the core at this college since the core should transfer as a block of credit to the receiving university. In addition, the core is the very basis of the Associate in Arts or Associate in Sciences degrees. If you complete the core of 48 hours, you need only an additional 13 hours in order to receive a degree.

If you take some of the college's core but do not complete it, you are assured that core courses will transfer and apply to the receiving institution's core. Most universities will not accept a grade of D in transfer as meeting core requirements. In addition, you should take care in the selection of math and science courses to ensure they are applicable to the major you wish to pursue.

The core curriculum is predicated on the judgment that series of basic intellectual competencies—reading, writing, speaking, listening, critical thinking, and computer literacy—are essential to the learning process in any discipline. Although students can be expected to come to college with some experience in exercising these competencies, they often need further instruction and practice to meet college standards and, later, to succeed in both their major field of academic study and their chosen career or profession. Therefore, the following 6 intellectual competencies can be found throughout the college core:

- **READING:** Reading at the college level means the ability to analyze and interpret a variety of printed materials—books, articles, and documents. A core curriculum should offer students the opportunity to master both general methods of analyzing printed materials and specific methods for analyzing the subject matter of individual disciplines.

- **WRITING:** Competency in writing is the ability to produce clear, correct, and coherent prose adapted to purpose, occasion, and audience. Although correct grammar, spelling, and punctuation are each a *sine qua non* in any composition, they do not automatically ensure that the composition itself makes sense or that the writer has much of anything to say. Students need to be familiar with the writing process including how to discover a topic and how to develop and organize it, how to phrase it effectively for their audience. These abilities can be acquired only through practice and reflection.
- **SPEAKING:** Competence in speaking is the ability to communicate orally in clear, coherent, and persuasive language appropriate to purpose, occasion, and audience. Developing this competency includes acquiring poise and developing control of the language through experience in making presentations to small groups, to large groups, and through the media.
- **LISTENING:** Listening at the college level means the ability to analyze and interpret various forms of spoken communication.
- **CRITICAL THINKING:** Critical thinking embraces methods of applying both qualitative and quantitative skills analytically and creatively to subject matter in order to evaluate arguments and to construct alternative strategies. Problem solving is one of the applications of critical thinking, used to address an identified task.
- **COMPUTER LITERACY:** Computer Literacy at the college level means the ability to use computer-based technology in communicating, solving problems, and acquiring information. Core-educated students should have an understanding of the limits, problems, and possibilities associated with the use of technology, and should have the tools necessary to evaluate and learn new technologies as they become available.



6. Develop the ability to make aesthetic judgments;
7. Use logical reasoning in problem solving; and
8. Integrate knowledge and understand the interrelationships of the scholarly disciplines.

Disciplinary courses within a core curriculum should promote outcomes focused on the intellectual core competencies, as well as outcomes related to establishing perspectives, and the basic concepts in the discipline. The DCCCD core curriculum includes courses that satisfy specific exemplary educational objectives.

COMPONENT AREA OF COMMUNICATION

The objective of a communication component of a core is to enable students to communicate effectively in clear and correct prose in a style appropriate to the subject, occasion, and audience. The exemplary educational objects are:

- To understand and demonstrate writing and speaking processes through invention, organization, drafting, revision, editing, and presentation.
- To understand the importance of specifying audience and purpose and to select appropriate communication choices.

- To understand and appropriately apply modes of expression, i.e., descriptive, expository, narrative, scientific, and self-expressive, in written, visual and oral communications.
- To participate effectively in groups with emphasis on listening, critical and reflective thinking, and responding.
- To understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development of exposition and argument.
- To develop the ability to research and write a documented paper and/or to give an oral presentation.

The following courses include the above objectives in the college core: English 1301, English 1302, and one of the following: Speech 1311, Speech 1315, any Foreign Language course 1311 or higher, or American Sign Language course. (NOTE: Students seeking an Associate in Arts or Associate in Sciences must select Speech 1311 or Speech 1315.)

COMPONENT AREA OF MATHEMATICS

The objective of the mathematics component of the core is to develop a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems. The exemplary educational objectives are:

- To apply arithmetic, algebraic, geometric, higher-order thinking, and statistical methods to modeling and solving real-world situations.
- To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically.
- To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments.
- To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results.

Perspectives in the Core Curriculum

The objective of disciplinary studies within a core curriculum is to foster multiple perspectives as well as to inform and deliver content. An imperative of a core curriculum is that it contain courses that help students attain the following perspectives:

1. Establish broad and multiple perspectives on the individual in relationship to the larger society and world in which he or she lives, and to understand the responsibilities of living in a culturally and ethnically diversified world;
2. Stimulate a capacity to discuss and reflect upon individual, political, economic, and social aspects of life in order to understand ways in which to be a responsible member of society;
3. Recognize the importance of maintaining health and wellness;
4. Develop a capacity to use knowledge of how technology and science affect their lives;
5. Develop personal values for ethical behavior;

- To interpret mathematical models such as formulas, graphs, tables, and schematics, and draw inferences from them.
- To recognize the limitation of mathematical and statistical models.
- To develop the view that mathematics is an evolving discipline, interrelated with human culture, and understand its connections to other disciplines.

The following math courses include the above exemplary educational objectives: Math 1314, 1324, 1332, 1333, 1348, 1414, 2342, 2412, or 2442 or higher level math.

COMPONENT AREA OF NATURAL SCIENCES

The objective of the study of a natural sciences component of a core curriculum is to enable the student to understand, construct, and evaluate relationships in the natural sciences, and to enable the student to understand the bases for building and testing theories. The exemplary educational objectives are:

- To understand and apply method and appropriate technology to the study of natural sciences.
- To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.
- To identify and recognize the differences among competing scientific theories.
- To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.
- To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

The following science courses include the above exemplary educational objectives: Biology 1406, 1407, 1408, 1409, Chemistry 1405, 1407, 1411, 1412, Geology 1401, 1403, 1404, 1445, Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, and 2426.

COMPONENT AREA OF HUMANITIES AND VISUAL AND PERFORMING ARTS

The objective of the humanities and visual and performing arts in a core curriculum is to expand students' knowledge of the human condition and human culture, especially in relation to behaviors, ideas, and values expressed in works of human imagination and thought. Through study in disciplines such as literature, philosophy, and the visual and performing arts, students will engage in critical analysis, form aesthetic judgments, and develop an appreciation of the arts and humanities as fundamental to the health and survival of any society. Students should have experiences in both the arts and humanities. The exemplary educational objectives are:

- To demonstrate awareness of the scope and variety of works in the arts and humanities.
- To understand those works as expressions of individual and human values within an historical and social context.
- To respond critically to works in the arts and humanities.
- To engage in the creative process or interpretive performance and comprehend the physical and intellectual demands required of the author or visual or performing artist.

- To articulate an informed personal reaction to works in the arts and humanities.
- To develop an appreciation for the aesthetic principles that guide or govern the humanities and arts.
- To demonstrate knowledge of the influence of literature, philosophy, and/or the arts on intercultural experiences.

The following humanities and visual performing arts courses include the above exemplary educational objectives: Arts 1301, 1303, 1304, Dance 2303, Drama 1310, 2366, Humanities 1301, Music 1306, 1308, 1309, English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333, Cultural Studies 2370, History 2321, 2322, 2380, 2381, Philosophy 1301, 2306, 2307, 2316, 2317, and Religion 1304.

COMPONENT AREA OF SOCIAL AND BEHAVIORAL SCIENCES

The objective of a social and behavioral science component of a core curriculum is to increase students' knowledge of how social and behavioral scientists discover, describe, and explain the behaviors and interactions among individuals, groups, institutions, events, and ideas. Such knowledge will better equip students to understand themselves and the roles they play in addressing the issues facing humanity. The exemplary educational objectives are:

- To employ the appropriate methods, technologies, and data that social and behavioral scientists use to investigate the human condition.
- To examine social institutions and processes across a range of historical periods, social structures, and cultures.
- To use and critique alternative explanatory systems or theories.
- To develop and communicate alternative explanations or solutions for contemporary social issues.
- To analyze the effects of historical, social, political, economic, cultural, and global forces on the areas under study.
- To comprehend the origins and evolution of U.S. and Texas political systems, with a focus on the growth of political institutions, the constitutions of the U.S. and Texas, federalism, civil liberties, and civil and human rights.
- To understand the evolution and current role of the U.S. in the world.
- To differentiate and analyze historical evidence (documentary and statistical) and differing points of view.
- To recognize and apply reasonable criteria for the acceptability of historical evidence and social research.
- To analyze, critically assess, and develop creative solutions to public policy problems.
- To recognize and assume one's responsibility as a citizen in a democratic society by learning to think for oneself, by engaging in public discourse, and by obtaining information through the news media and other appropriate information sources about politics and public policy.
- To identify and understand differences and commonalities within diverse cultures.

The following social and behavioral science courses include the above exemplary educational objectives: History 1301, 1302, Government 2301, 2302, Anthropology 2346, 2351, Economics 1303, 2301, 2302, 2311, Psychology 2301, 2314, 2316, Sociology 1301, 1306, and 2319.

The DCCCD core of 48 credit hours is composed of the following courses:

COMMUNICATIONS – 9 credit hours *(Select each of the following)*

- English 1301: A grade of "C" or better required.
- English 1302, and **one** of the following:
- Speech 1311*, Speech 1315*, any Foreign Language Course 1311 or higher, or an American Sign Language course.

*Students must select Speech 1311 or 1315 if seeking an AA or AS degree. A grade of "C" or better is required if you select Speech 1311 or Speech 1315.

MATHEMATICS – 3 credit hours *(Select one from the following)*

- Math 1314, 1324, 1332, 1333, 1348, 1414, 2342, 2412, 2442, or higher level. A grade of "C" or better required.

LAB SCIENCES – 8 credit hours *(Select two from the following)*

- Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426.

Note: This requirement cannot be met by using the following combinations:

- Biology 1406 and 1408;
- Chemistry 1405 and 1411;
- Physics 1401 and 1405;
- Physics 1401 and 2425;
- Physics 1405 and 2425.

SOCIAL/BEHAVIORAL SCIENCES – 15 credit hours *(Select each of the following)*

- History 1301, 1302;
- Government 2301, 2302

(Select one from the following)

- Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319

HUMANITIES/VISUAL AND PERFORMING ARTS – 9 credit hours *(Select one from each of the three groupings)*

I.

- Arts 1301, 1303, 1304
- Dance 2303
- Drama 1310, 2366
- Humanities 1301
- Music 1306, 1308, 1309

II.

- English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333

III.

- Cultural Studies 2370
- History 2321, 2322, 2380, 2381
- Philosophy 1301, 2306, 2307, 2316, 2317
- Religion 1304

OTHER– 4 credit hours

(Select each from the following)

- Physical Education 1164 and
- Computer Science 1300 or higher level COSC course.



Academic Transfer Programs

The college offers a broad range of educational opportunities for the student whose goal is to transfer to a four-year institution. In addition to offering a strong, creative foundation for the freshman and sophomore years, the academic transfer curriculum is coordinated with a number of Texas four-year institutions to ensure the transfer of credits. Although each four-year school is different, you may guarantee the transferability of your courses by being active and responsible in the advisement process. By consulting the four-year institution regularly and taking advantage of the resources available at the college, you may ensure that the transfer process is a positive experience.

Another means of ensuring success in transferring to a Texas public college or university is to complete the core curriculum at this college since the entire core should transfer as a block of 48 credits. In addition, if you complete a Field of Study Associate in Arts/Associate in Sciences degree, the curriculum should transfer and count toward the specific major at all Texas public institutions. To ensure guaranteed transfer, you are strongly encouraged to check with the university where you plan to transfer.

Earning an Associate Degree Prior To Transferring

You may elect to earn a two-year associate degree. The Associate in Arts and the Associate in Sciences degrees are designed specifically for those students who plan to transfer to a Texas four-year institution. Both of these degrees include the core curriculum. The flexibility of these degree programs also allows you to complete many of the introductory courses specifically related to your major field of study. You should also keep in mind the Associate in Arts/Associate in Sciences Field of Study degrees. The entire curriculum of the Field of Study degrees will transfer to all Texas public colleges and universities. However, in some cases students may have to select between completion of the core or the Field of Study in those instances when the combined total of hours exceeds 66 hours. In addition, the college offers "Emphasis" degrees that feature "majors" which are recommended to students transferring in a specific discipline. See degree plans in this catalog.

The Associate of College/University Transfer Degree is an individually negotiated degree designed to permit students to take only those courses that will apply toward a specific major only at a specific private or out-of-state college or university. Students should see an advisor at the college for more information.

Transfer Policy

The Texas Higher Education Coordinating Board (THECB) requires all public colleges and universities to accept transfer of credit for successfully completed courses as applicable to an associate or baccalaureate degree in the same manner as credit awarded to non-transfer students in that degree program.

Institutions are not required to accept in transfer more credit hours in the major area of a degree program than the number set out in any applicable Board-approved Field of Study Curriculum for that program. In any degree program for which there is no Board-approved Field of Study Curriculum, institutions are not required to accept in transfer more lower-division course credit in the major applicable to a baccalaureate degree than the institution allows their non-transfer students in that major. An institution of higher education may deny the transfer of credit in courses with a grade of "D" as applicable to the student's field of study curriculum courses, core curriculum courses, or major. No university shall be required to accept in transfer or toward a degree program, more than sixty-six (66) semester credit hours of lower-division academic credit. Universities, however, may choose to accept additional credit hours.

Transfer Dispute Resolution

If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied, and shall include in that notice the reasons for denying the credit. Attached to the written notice shall be the procedures for resolution of transfer disputes for lower-division courses as outlined in this section, accompanied by clear instructions outlining the

procedure for appealing the decision to the Commissioner.

- (1) A student who receives notice may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.
- (2) The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.
- (3) If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the sending institution may notify the Commissioner in writing of the request for transfer dispute resolution, and the institution that denies the course credit for transfer shall notify the Commissioner in writing of its denial and the reasons for the denial.

The Commissioner or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institution.

Source: http://www.thecb.state.tx.us/CBRules/tac3.cfm?Chapter_ID=4&Subchapter=B

For further information, please contact the DCCCD Office of Transfer Services and University Relations at:
Phone: 214-860-2185
Fax: 214-860-2677
E-mail: ags1132@dcccd.edu
Mail: DCCCD, 701 Elm Street, Dallas, Texas 75202



Choosing A Major and Developing An Educational Plan

You may be entering college with a clear idea of what major you will choose and which senior institution you plan to attend. But, if you are like many students, you may not know where you will transfer or in what discipline you may major.

If you are undecided about a major at the university, you are encouraged to take courses in the core curriculum as these will transfer to all Texas public universities. During the first semester, you should investigate your interests. By the second or third semester, you should begin to develop a clear sense of which senior institution you will attend and the requirements for your chosen degree program. Working closely with a counselor or advisor, and using current information from four-year institutions, you should follow the Associate in Arts/Associate in Sciences Degree plan because they incorporate the core curriculum. The counseling and advising personnel at the college can help you develop a degree plan for almost any major. Listed below are some of the four-year majors you can begin in the college:

Accounting	Marine Biology
Advertising	Marketing
Agriculture	Mathematics
American Studies	Medical Technology
Anthropology	*Medicine
Architecture	Meteorology
Art	Microbiology
Biological Science	Music
Botany	Music Education
Business Administration	Nursing
Chemistry	Occupational
Computer Science	Therapy
Dance	Oceanography
Dental Hygiene	Optometry
*Dentistry	Pharmacy
Dietetics	Philosophy
Drama	Photojournalism
Economics	Physical Education
Engineering	Physical Science
English	Physical Therapy
Entomology	Physics
Finance	Political Science
Fine Arts	Psychology
Foreign Languages	Public Relations
Forestry	Radio/TV/Film
Geography	Recreation
Geology	Social Work
Health Sciences	Sociology
History	Speech
Industrial Arts	Communication
Interior Design	Speech Pathology
Journalism	Teacher Preparation
*Law	Telecommunica-
Legal Science	tions
Liberal Arts	Theatre
Life Sciences	*Veterinary
Management	Medicine
Legal Science	Wildlife Mgt.
Liberal Arts	Zoology
Life Sciences	
Management	

*These fields require
study beyond the
bachelor's degree.

On this website, students will find:

- Tips on how to transfer successfully
- Answers to most commonly asked transfer questions
- Transfer guides to specific majors at approximately 30 Texas universities
- Transfer admission information for Texas universities
- Course-by-course equivalencies for college courses at Texas universities
- Details on the Transfer Guarantee Program
- Educational resources for students and counselors/advisors.
- DCCCD – University Articulation Agreements

College Resources for Transfer Students

The college offers many resources designed specifically for those students planning to transfer to a university. You should take advantage of these resources early in your college experience, particularly if you have not chosen a major or have not selected a university. Many of the resources can assist you in making informed decisions when selecting courses, choosing a transfer institution, and completing all of the necessary steps in the transfer process.

Transfer Guides

Transfer Guides offer a listing of courses, by course numbers, necessary for a number of majors at many institutions throughout Texas. Transfer Guides may be available for the following majors:

Accounting	Kinesiology
Advertising Art	(Exercise
Aerospace Engineering	and Sports
Agriculture	Science)
Architecture	Legal Science
Art	Management
Biology	Marketing
Business Administration	Mathematics
Chemical Engineering	Medical Technology
Chemistry	Music
Civil Engineering	Music Education
Computer Science	Nursing
Criminal Justice	Occupational
Dental Hygiene	Therapy
E-Commerce	Pharmacy
Economics	Photojournalism
Electrical Engineering	Physical Education
English	Physical Therapy
Exercise and Sports Studies	Physician Assistant
Fashion Design	Physics
Fashion Merchandising	Political Science
Finance	Pre-Law
Foreign Languages	Pre-Medicine
Geography	Pre-Veterinary
Geology	Medicine
History	Psychology
Motel & Restaurant	Radio/TV/Film
Management	Social Work
Industrial Engineering	Sociology
Interior Design	Speech
	Speech Pathology/
	Audiology
	Teacher Preparation
	Theatre
	Undecided

Special Opportunities for Students Wishing to Transfer

The DCCCD Transfer Services and University Relations home page address is <http://www.dcccd.edu/trans/>



Although officials at the various universities have reviewed the information in these guides, the content is subject to change. It is the student's responsibility to verify the accuracy of this information with the receiving institution. Counselors and academic advisors can also assist students in preparing for majors other than those listed above.

Course-by-Course Equivalency Guides

Equivalency Guides offer a listing of how every course transfers to each specific senior institution. This information can be helpful to you if you have selected a senior institution but have not chosen a major yet. You should note that the transfer equivalencies shown on these guides offer information on how, or if, courses are generally accepted by the senior institution, and do not indicate how these courses will apply toward a particular major or degree program. A counselor or advisor can assist you in determining whether courses apply to a particular major.

Common Course Numbering System

To help meet your transfer needs, the college is a member of the Texas Common Course Numbering System Consortium. All Texas community/junior colleges participate in this system. Most universities are cooperating with this new numbering system indicating courses equivalent to the common course system. By Fall 2005, many state universities may have adopted this same numbering system.

Colleges teach courses similar in nature, and these courses have been designated by a common number. The common number facilitates the transfer of these courses between and among the participating institutions. Further in this catalog you will find course descriptions for every course offered in the college. Course descriptions will indicate if a course has been assigned a common course number. You should not assume that only courses with common course numbers will transfer.

Choosing A Catalog Year

The college catalog has any degree or certificate program requirements of 5 years. This means you are expected to complete within five (5) years as outlined in the catalog in effect at the time of your entrance to the college. You may elect to utilize a more recent catalog year in which you were enrolled, provided the degree requirements are met during that 5-year period and the requisite courses are still offered. If you plan to transfer, you should keep a copy of the catalog dated at the time you entered college, the catalog year you followed for your graduation requirements, a copy of degree plan from the DCCCD web page, the catalog of the university to which you wish to transfer, and the transfer guide valid at the time you enrolled at the college. You may wish to maintain a copy of all course syllabi, particularly if you plan to transfer to either a private university or one located out of state.

Other Things to Consider

During the time you are enrolled in the college, you should begin to determine the necessary steps for completing the transfer admission process. The process may require a great amount of preparation, and you should be certain you understand all of the requirements for admission, such as:

- Application deadlines,
- Minimum grade-point average requirements,
- Limits on the number of credit hours that are acceptable in transfer,
- Policies regarding acceptance of repeated courses,
- Housing information, and
- Financial aid application procedures.

Of equal importance is a personal visit to the chosen institution. Many senior institutions plan special activities and campus visitation periods where you can meet with representatives from all areas of the institution.

There is a limit on the number of hours taken by any one student in which the state of Texas will reimburse universities. By law, some Texas public universities may charge a higher rate of tuition to students who exceed the limit. Contact the college or university to which you plan to transfer and obtain more information concerning tuition fees.

Other Educational Programs

American English and Culture Institute

The Dallas County Community College District offers an intensive English program called the American English and Culture Institute (AECI) for international students preparing to study in American colleges and universities or planning to work in fields where English is the primary language. The AECI is a year-round program of English and culture study that is offered in ten-week sessions and divided into proficiency levels of one through four. Students who score higher than 117 but less than 197 on the computer-based TOEFL or who score higher than 430 but less than 530 on the paper-based TOEFL will be considered for the AECI.

Career and Technical Programs

You can prepare for a career as a skilled employee after one or two years of college study if you enroll in one of our many Career and Technical Programs. These programs are established after studies verify that related employment opportunities exist in business and industry. With the assistance and cooperation of representatives from local business, industry, and public agencies, the Career and Technical Programs are designed to meet increasing local and regional workforce needs. These programs provide you with the opportunity to develop the necessary competencies to meet the demands of area employers.

Career and Technical courses are accredited college courses that lead to a Certificate or an Associate in Applied Sciences Degree. We offer placement assistance to you as you complete course work in our Career and Technical Programs. We maintain a continuous relationship with local and regional industries to keep you informed of employment opportunities.

In addition to classroom instruction, the college offers external learning experiences programs. These are competency-based learning experiences provided at a work site which enhance lecture and laboratory instruction. See External Learning Experiences for Career and Technical Programs.

Certificate and associate degree Career and Technical Programs are designed for you to complete within one or two years. The Bill Priest Institute offers certificate programs designed to be completed in less than one year.

The College offers a Guarantee for Job Competency for all students who earn a certificate or an Associate in Applied Sciences Degree.



Credit-By-Examination

If you think you already meet the requirements of a course by experience or previous training, you may request credit-by-examination. You may not request credit-by-examination for courses in which you are currently enrolled. The Registrar's Office has information about the courses for which credit-by-examination is available. The examination may be an approved subject examination (not a general examination) of the College-Level Examination Program (CLEP), Advanced Placement Exams (CEEB), Defense Activity for Nontraditional Education Support (DANTES), or an instructor-made test, depending on the course. You should ensure college acceptance of specific national exams *prior* to taking them. Scores for national testing programs, such as CLEP, AP, and DANTES, will be valid for 10 years.

You must pay a test administration service charge for each course examination. This service charge must be paid prior to taking the examination and is not refundable. Final acceptance of credit-by-examination for specific degree purposes is determined by the degree-granting institution. If you are planning to use credit-by-examination to meet degree requirements at other institutions, you should check the receiving institution's requirements.

You must be currently enrolled as a credit student at the college to receive credit-by-examination. Although your current enrollment in a course may normally make you ineligible for national testing programs, the Foreign Language Curriculum Committee permits an exception to this policy for students enrolled in foreign language courses. You may earn as many credits through examination as your ability permits and needs require, but at least 25% of the credit hours required for graduation must be taken through instruction and not through credit-by-examination.

Credit-by-examination may be attempted only one time in any given course, and a minimum score must be earned in order for credit to be recorded. Those who successfully complete an approved credit-by-examination may choose to have either the grade earned, if it is made available, or "CR" recorded on the transcript. Only letter grades of A, B, or C for credit-by-exam will be calculated into the GPA. If a student chooses "CR" for a credit-by-exam or if "CR" is the only option available to students, the "CR" cannot be calculated into the GPA. **Students who meet the minimum passing standard on Computerized CLEP exams will be awarded "CR". The option for a letter grade is currently not available.**

As of the publication date of this catalog, the following national tests are approved for credit-by-examination procedures:



CLEP Computerized Test Subject Exams

(CLEP General Exams are NOT approved)

*See Advisement for test limitations for these computerized CLEP exams

<i>Test Name</i>	<i>Minimum Score</i>	<i>Credits</i>	<i>Course(s)</i>
Principles of Accounting	50	6	ACCT 2301, 2302
Principles of Management	50	3	BMGT 1303
General Biology	50	8	BIOL 1406, 1407
Introductory Business Law	50	3	BUSI 2301
General Chemistry	50	8	CHEM 1411, 1412
Principles of Macroeconomics	50	3	ECON 2301
Principles of Microeconomics	50	3	ECON 2302
English Literature	50	6	ENGL 2322, 2323
American Literature	50	6	ENGL 2327, 2328
College Level I French Language	50	8	FREN 1411, 1412
College Level II French Language	62	14	FREN 1411, 1412, 2311, 2312
College Level I German Language	50	8	GERM 1411, 1412
College Level II German Language	63	14	GERM 1411, 1412, 2311, 2312
*American Government	50	3	GOVT 2302
History of U.S. I	50	3	HIST 1301
History of U.S. II	50	3	HIST 1302
Western Civilization I	50	3	HIST 2311
Western Civilization II	50	3	HIST 2312
Principles of Marketing	50	3	MRKG 1311
College Algebra	50	3	MATH 1314
Trigonometry	50	3	MATH 1316
Calculus with Elementary Functions	50	5	MATH 2513
Introductory Psychology	50	3	PSYC 2301
Human Growth and Development	50	3	PSYC 2314
Introductory Sociology	50	3	SOCI 1301
College Level I Spanish Language	50	8	SPAN 1411, 1412
College Level II Spanish Language	66	14	SPAN 1411, 1412, 2311, 2312

CLEP Paper/Pencil Exams

(CLEP General Exams are NOT approved). Paper/pencil CLEP Tests are no longer administered, but the required scores, from such tests, taken within the past ten years can be utilized. *See College Testing Center for test limitations on these CLEP tests.

<i>Test Name</i>	<i>Minimum Score</i>	<i>Credits</i>	<i>Course(s)</i>
Intro Accounting (version retired in 7/95)	47	6	ACCT 2301, 2302
Principles of Accounting	45	6	ACCT 2301, 2302
Intro Management (version retired in 7/94)	47	3	BMGT 1303
Principles of Management	46	3	BMGT 1303
General Biology	46	8	BIOL 1406, 1407
Intro to Business Law	51	3	BUSI 2301
General Chemistry	47	8	CHEM 1411, 1412
Intro. Macroeconomics (version retired in 7/94)	48	3	ECON 2301
Intro. Microeconomics (version retired in 7/94)	47	3	ECON 2302
Principles of Macroeconomics	44	3	ECON 2301
Principles of Microeconomics	41	3	ECON 2302
English Literature	46	6	ENGL 2322, 2323
American Literature	46	6	ENGL 2327, 2328
College French 1 and 2 (version retired 7/97)	39	8	FREN 1411, 1412
College Level French Language	42	8	FREN 1411, 1412
College German 1 and 2 (version retired 7/95)	40	8	GERM 1411, 1412
College Level German Language	36	8	GERM 1411, 1412
College Level German Language	42	14	GERM 1411, 1412, 2311, 2312
*American Government	47	3	GOVT 2302

**In order to receive credit for GOVT 2301, students must take a departmental test on Texas Government. The departmental GOVT 2301 test may be given only to students who have also received credit for Government 2302 via CLEP*

American History I (version retired 7/96)	45	3	HIST 1301
History of U.S. I	47	3	HIST 1301
History of U.S. II	46	3	HIST 1302
Western Civilization 1	46	3	HIST 2311
Western Civilization 2	47	3	HIST 2312
Principles of Marketing	50	3	MRKG 1311
College Algebra (version retired 7/94)	45	3	MATH 1314
College Algebra	46	3	MATH 1314
Trigonometry	50	3	MATH 1316
Calculus w/ Elem. Functions (version retired 7/95)	47	5	MATH 2513
Calculus w/ Elem. Functions	41	5	MATH 2513
Intro. Psychology	47	3	PSYC 2301
Human Growth and Development	45	3	PSYC 2314
Intro. Sociology	47	3	SOCI 1301
College Spanish 1 and 2 (version retired 7/96)	41	8	SPAN 1411, 1412
College Spanish 1, 2, 3 and 4 (version retired 7/96)	50	14	SPAN 1411, 1412, 2311, 2312
College Level Spanish Language	45	8	SPAN 1411, 1412
College Level Spanish Language	50	14	SPAN 1411, 1412, 2311, 2312

AP Advanced Placement

<i>Test Name</i>	<i>Minimum Score</i>	<i>Credits</i>	<i>Course(s)</i>
Art History	3	6	ARTS 1303, 1304
Biology	3	8	BIOL 1406, 1407
Calculus AB	3	5	MATH 2513
Calculus BC	3	9	MATH 2414, 2513
Chemistry	3	8	CHEM 1411, 1412
English - Language and Comp	3	6	ENGL 1301, 1302
*French - Language	3	8	FREN 1411, 1412
*French - Language	4	11	FREN 1411, 1412, 2311
*French - Language	5	14	FREN 1411, 1412, 2311, 2312
*German - Language	3	8	GERM 1411, 1412
*German - Language	4	11	GERM 1411, 1412, 2311
*German - Language	5	14	GERM 1411, 1412, 2311, 2312
Government & Politics - US	3	3	GOVT 2302
Government - Comparative and Politics	3	3	GOVT 2371
History - European	3	6	HIST 2311, 2312
History - US	3	6	HIST 1301, 1302
Macroeconomics	3	3	ECON 2301
Microeconomics	3	3	ECON 2302
Music Theory	3	3	MUSI 1311
Physics B	3	8	PHYS 1401, 1402
Psychology	3	3	PSYC 2301
*Spanish - Language	3	8	SPAN 1411, 1412
*Spanish - Language	4	11	SPAN 1411, 1412, 2311
*Spanish - Language	5	14	SPAN 1411, 1412, 2311, 2312
Studio Art-Drawing	3	3	ARTS 1316

*Students taking Advanced Placement Exams have a choice of receiving a grade or "CR" for credit, except for the AP language exams for which only "CR" may be granted. For all but the AP language exams, a score of 3 equals C; a score of 4 equals B; a score of 5 equals A. If you take any of the tests listed above, you should check with the Registrar's Office to ensure these tests will be accepted in lieu of coursework. You should do this *prior* to taking the test as the previous list may change. You may challenge courses not on this list by taking an instructor-made examination. If you are interested in this method, contact the appropriate academic division office.

DANTES

<i>Test Name</i>	<i>Minimum Score</i>	<i>Credit</i>	<i>Course(s)</i>
Principles of Financial Accounting	49	3	ACCT 2301
Introduction to Business	46	3	BUSI 1301
Lifespan Developmental Psychology	46	3	PSYC 2314

CERTIFIED PROFESSIONAL SECRETARY (CPS) EXAM

Students who can provide documentation from the Institute for Certifying Secretaries that they have passed all sections of the CPS should be granted credit for 15 hours from the courses listed below. Such students must complete 12 college level hours within the DCCCD and at least two courses must be completed in Office Technology with a grade of C or better. Credit earned through the CPS is applicable **only** to the Associate of Applied Sciences in Office Technology program. The student may select no more than 15 hours for the list below and ACR@ should be shown on transcript.

Before WECM	2001 WECM Course Name	Hours
OFCT 1373	POFT 1309	3 hours
OFCT 1376	POFT 2301	3 hours
OFCT 1377	POFI 1301	3 hours
OFCT 1378	No Course Available	3 hours
OFCT 1380	POFI 1345 or POFI 1349	3 hours
OFCT 2370	POFT 1302	3 hours



Continuing Education Programs

Within the college, continuing education programs deliver flexible, diverse, visionary instruction responsive to the needs of public, private, and corporate citizens. Continuing Education programs provide workforce training, personal and professional development courses and other outreach programs to enhance individual, community and economic development including customized training for business and industry.

Continuing education instructors are professionals from the community chosen for their knowledge, expertise and experience in their fields. Training and instruction are offered as courses, programs, seminars, workshops and distance learning opportunities. Registration is continuous, convenient and customer-oriented with new classes starting throughout the year on weekdays and weekends both during the day and evening hours. Continuing education classes are offered at the college and in a variety of locations throughout the community. For specific information on public course offerings, contact college and request a current Continuing Education Schedule or find it online at www.dcccd.edu.

A variety of student services are available for Continuing Education students including financial aid, library privileges, job placement assistance, tutoring and academic/career advising. Some scholarship and grant funds may be available for specific non-credit programs and courses. To apply for these funds, contact the College's Continuing Education or Financial Aid Office.

Continuing Education Units

Continuing Education Units (CEUs) are transcribed upon successful completion of all requirements, competencies and learning outcomes for approved workforce education courses. In all recognized educational circles, one CEU is equal to 10 contact hours of participation in an organized continuing education or extension experience. The CEU is a means of recording and accounting for continuing education activities and meeting the certification requirements of certain professional organizations.

Credit for Experiential Learning

Because individuals learn in a variety of ways and through a multitude of experiences, the college has established a means by which students may earn credit for college-equivalent education acquired through earlier

schooling, work or other life experiences. In order to petition for experiential learning the student must be currently enrolled in the college assessing the learning experiences.

A student may be able to transcript college credit based on recommendations of the College Credit Recommendation Service of the American Council on Education. Such credit is granted as "CR." Evaluation and awarding of credit is the responsibility of the college where the student is enrolled.

A student may also petition for credit for other experiential learning. Portfolio assessment is one method by which the prior learning may be documented. Currently enrolled students may petition for credit by developing a portfolio that describes and documents pertinent learning comparable to that available in a specified college course. A faculty member in the appropriate program or discipline area evaluates the portfolio and determines commensurate credit. Credit is recorded as "CR." A second method is for the student to enroll in an existing section of a course (after consultation with the instructor) and develop an individualized plan for participation and testing based on the instructor's evaluation of skill and experience levels. Completion of this method results in the award of a letter grade. Finally, any district curriculum committee has the option of designing a program unique to their discipline.

The number of equivalent credits awarded may not exceed 25% of the total number of credits required for the specific degree or certificate. The number of equivalent credits awarded may not exceed the total number of credits required for the students specific associate degree or certificate objectives. No graduation, residency, degree or certificate program requirements will be waived as a result of credits earned through this process.

Developmental Education

Developmental education courses are designed to provide students with academic skills necessary for success in college-level courses and to fulfill the Texas Success Initiative (TSI) standards. Many levels of developmental reading, writing, and math classes are offered to enable students to complete the required prerequisites for college-level work and to satisfy TSI standards. Developmental courses are listed in the catalog as DREA for developmental reading, DWRI for developmental writing, and DMAT for developmental math. These courses carry institutional credit but do not count toward a degree or certificate. Students who wish to improve skills in reading, writing, and math may also enroll in developmental courses even if not required because of low test scores. Instructional formats vary and may include computer-based, self-paced, lecture, and online offerings.

The State of Texas financially subsidizes the education of college students. In other words, the tuition paid by any student represents only a portion of the real costs of any developmental education courses. As the State of Texas will pay for only 27 hours of attempted Developmental Studies courses, students may be required to pay a higher rate of tuition for any developmental hours beyond the 27 hour limit. Developmental courses are ANY courses numbered 0099 and below. These courses include Developmental Reading, Developmental Math, Developmental Writing, English for Speakers of Other Languages (ESOL) and others.

eConnect

The Dallas County Community College District offers to students, eConnect, a web interface that provides online student services. The Student Menu allows you to:

- Complete your admissions application
- Search, register and pay for credit classes
- View your credit class schedule and grades
- Access your financial information
- Buy your books online
- Access your student records
- Ad/change your email address
- Fill out your Student Information Profile
- Request privacy of your directory information
- Request a transcript

For more information on the latest enhancements and added features, please see what's new and improved at eConnect at <http://econnect.dcccd.edu>

English for Speakers of Other Languages (ESOL)

English for Speakers of Other Languages (ESOL or ESL) courses are offered to provide academic English skills to students whose first or native language is other than English. Besides preparing students for the college learning experience in the areas of oral communication, reading, writing, and grammar, these courses teach students the skills needed to meet the requirements of the Texas Success Initiative (TSI, formerly TASP). Non-native English speaking students who wish to enroll in college-level courses, but who have not met language-related TSI standards or DCCCD prerequisites for doing so, may be expected to enroll in ESOL courses to meet those requirements. Appropriate tests or methods may be used to determine students' skill levels for ESOL course placement as well as to meet TSI requirements.

All non-native English speakers are welcome to study in the Dallas County Community College District, regardless of language level, background, or residency status. Because those students do have a wide variety of language experiences and needs, oral communication, reading, writing, and grammar courses are offered at various levels. This allows each student to focus on his or her areas of English language learning need and helps to ensure individual success in college studies. In addition, a selection of learning modes may be available for students to choose from, including lecture, online instruction, computer-aided instruction, fast-track, learning community, and intensive formats.



Evening & Weekend College

Most courses offered during the day are also available in the evening or on the weekend. Courses are offered both on campus and at selected community locations.

Evening and weekend courses offer high quality instruction and excellent facilities. Student services, including advisement, health, library, bookstore, food services, financial aid, and recreation may be available. Instructors are selected from the full-time college staff, from out-standing Dallas-area educators, and from other professional specialists. To enroll in evening and weekend courses, contact the college Admissions Office.

External Learning Experiences for Career and Technical Programs

An external learning experience for Career and Technical Programs is a competency-based learning experience, paid or unpaid, that enhances lecture and laboratory instruction, and is provided at a work site appropriate to the program. An external learning experience allows you to have practical, hands-on training and to apply learned concepts and theories in a workplace setting. Four types of external learning experiences are available: co-ops, practica, internships and clinicals. Clinical experiences must take place in a health care setting and you must not be paid for the learning experience.

External Learning Experience work sites must be approved by the college, and employers must be willing to enter into training agreements with the college and the student/employee. The college will assist you in seeking approved employment, if needed. Career and Technical Programs that include external learning experiences are indicated in this catalog. Prior to enrolling in one of these courses, you must consult with the program's External Learning Experience Coordinator. External Learning Experience Student Handbook can be found at http://www.dcccd.edu/vcea/workf/ele_student_handbook.htm.

Human Development Courses

The Human Development curriculum is comprised of several courses providing a theoretical and practical foundation in human growth and development across the life span. These courses are organized around different topics including educational and career/life planning; interpersonal communication; personal and social growth; learning theory and study skills; and success in college. The college may offer special sections of Human Development courses that emphasize various issues such as understanding multi-cultural concepts, making life transitions, and appreciating gender differences for special populations including women returning to school, adults making career or job changes, at-risk students, young adults, or academically under-prepared students.

Some Human Development courses transfer to colleges and universities as elective credit. These courses use an experiential model that allows for the use of a variety of teaching and learning strategies including small group work, journal writing, mini-lectures, selected readings, classroom discussion, team teaching, peer teaching, outside guest speakers, psychometric testing, and volunteer experiences in the community.

International Studies/Study Abroad Opportunities

An important part of the commitment of the colleges of the DCCCD to enhancing student appreciation and understanding of diverse cultures is its international studies and study abroad programs. Therefore, any program offered by another college of the DCCCD is open to students of this college. These programs are available in a variety of countries during fall and spring semesters and in the summer and are available to students of this college. Semester-length programs may be currently available in England, France, Costa Rica, Spain, and Italy. In most programs, no prior knowledge of a foreign language is required. Many of the colleges also offer study-abroad opportunities during the summer sessions. College faculty teach these courses, which normally last two to four weeks. In previous years, these courses have been offered in Austria, Australia, China, Dominican Republic, France, Great Britain, Italy, Jamaica, Mexico, Portugal, Russia, Senegal, and Spain. For information about any of the semester or summer programs, contact the District Office of Student and Academic Programs 214-860-2410 or contact the study abroad advisor of the college. There are also other non-semester length courses offered during the year.

Texas residents enrolled in colleges that are members of the North Texas Community College Consortium may enroll in DCCCD international courses by paying "in-District" tuition. These colleges include: Brookhaven, Cedar Valley, Cisco, Collin County, Eastfield, El Centro, Grayson County, Hill, Kilgore, LeCroy Center, McLennan, Mountain View, Navarro, North Central Texas, Northeast Texas, North Lake, Panola, Paris, Priest Institute, Richland, Tarrant County, Texas State Technical at Marshall and Waco, Trinity Valley, Tulsa, Tyler, Vernon, Weatherford and the University of North Texas.

Non-Credit Student (Audit)

A person who meets the admission requirements may, with the consent of the division dean and instructor, enroll in a credit course as a non-credit student. As a non-credit student, you may attend class, but you will not receive a final grade or credit for the course. An instructor may give you exams if the instructor determines the examination is an essential component of the learning process. The college has the right to restrict registration in some courses for students wishing to audit.

Reserve Officers Training Corps

The college offers a Reserve Officers Training Corps (ROTC) program in cooperation with the University of Texas at Arlington. The ROTC program provides a unique opportunity for you to assess and develop your leadership skills by being exposed to a variety of leadership styles, techniques and tools. It also develops college-educated officers for the active Army and the reserve components, giving you the opportunity to pursue either a civilian or military career after completing college.

ROTC credits may be used to complete a college degree by applying them toward elective credit. Military science may be declared as a minor course of study in many degree programs at The University of Texas at Arlington. To be eligible, you must be enrolled in the ROTC program, must receive acceptance of military science as a minor from your major degree department, and must complete 18 hours of military science, 10 of which are advanced. If you participate in ROTC while enrolled in the college, you will be eligible to apply at UTA for ROTC scholarships to complete degrees at UTA. The U.S. Army Scholarship Program provides an excellent way for you to obtain assistance in financing a college education. Every scholarship provides for payment of all expenses incurred for fees and tuition, an allowance for books and supplies, and \$200 a month for up to 10 months per year.

Service Learning

Service Learning combines academic instruction with active community service, utilizing critical, reflective thinking to examine the world around you and your civic responsibilities. It is a mutually beneficial partnership, allowing you to apply what you have learned in the classroom into the real world while developing new skills in a service position in the community. You get a chance to improve your critical

thinking skills, explore career possibilities, and make a difference by meeting community needs and increasing community support. The colleges offer you an opportunity to serve at a wide variety of charitable and social agencies. The college is proud to be a member of both the Texas Campus Compact and the National Campus Compact, organizations which are strongly committed to the integration of Service Learning into college curriculum.

Servicemen's Opportunity College

In cooperation with other community colleges in the United States, the colleges participate in the Servicemen's Opportunity College. Through this program, you can plan an educational experience regardless of where the military requires you to serve. While military service, *per se*, carries no equivalent college credit, coursework earned in the military may result in equivalent college credit with appropriate documentation. For further information contact the Registrar's Office.

Tech Prep

Tech Prep is a college program that begins in high school; it is advanced placement for technical careers that prepares students for direct entry into the workplace upon completion of an associate degree or a post secondary certificate program.

College Tech Prep programs are sequences of courses developed cooperatively between school districts and DCCCD, and approved by both the Texas Education Agency (TEA) and the Texas Higher Education Coordinating Board (THECB).

***Make a difference
for yourself & for
your community.
Participate in
DCCCD
Service Learning.***

High school students must follow these steps to participate in Tech Prep:

- Choose a Tech Prep career program offered at your high school after reviewing options with your high school counselor.
- Complete the suggested high school Tech Prep classes with a minimum overall average of 80.
- Ask the high school counselor to fill out a "Transfer of Tech Prep College Credit" form.
- *Within 15 months after high school graduation:*
- enroll at any DCCCD college
- meet with a Tech Prep advisor at the college
- declare a major and file a degree plan in any degree or certificate program.

For more information about current Tech Prep programs, contact your high school counselor or career and technology teacher or call the college's Tech Prep office. See this website for more information:
www.dcccd.edu/vcea/dtechp/

Tomorrow's Teachers

Tomorrow's Teachers is a first-of-its-kind, collaborative initiative among Dallas County independent school districts, the college and area four-year universities. The overall objective of the kindergarten-through-college program is to transform Dallas-area students into Dallas-area public school teachers.

Tuition for college and Dallas-area state universities is very affordable, but even modest tuition can sometimes be a barrier to education. Tomorrow's Teachers tackles this issue head on. Traditional financial aid in the form of student loans and grants is available through the college and all area four-year universities. Special funding programs are available, such as Rising Star, which guarantees all qualifying Dallas County high school graduates the opportunity to attend the first two years of college tuition free, books and fees included. In addition, the Tomorrow's Teachers program is a clearinghouse for scholarships earmarked specifically for students entering the teaching profession. See <http://www.dcccd.edu/vcea/partner/Teachers/index.html> for more information about Tomorrow's Teachers.

Workforce Education Course Manual (WECM)

The Workforce Education Course Manual (WECM) is a statewide inventory of workforce education courses offered for semester credit hours and Continuing Education Units (CEUs). These courses are offered by the colleges to respond rapidly to the needs of business and industry. The WECM offers a means for the college to continually design and update high, quality workforce courses by receiving input from business and industry and community college faculty throughout Texas.

The Texas Higher Education Coordinating Board approves all courses cited in the WECM for use by all Texas public community and technical colleges. Therefore, if you earn semester credit hours and CEUs by successfully completing the requirements for the course(s), you will be able to transfer the credits or CEUs to another Texas public community or technical college that also offers the same course(s).

Student Obligations

Attending Classes

You are expected to attend regularly all classes in which you enroll. You have the responsibility to attend class and to consult with the instructor when an absence occurs.

Instructors are responsible for describing attendance policies and procedures to you. If you are unable to complete a course (or courses) in which you are enrolled, **it is your responsibility to withdraw from the course by the appropriate date. If you do not withdraw, you will receive a performance grade, usually a grade of "F."**

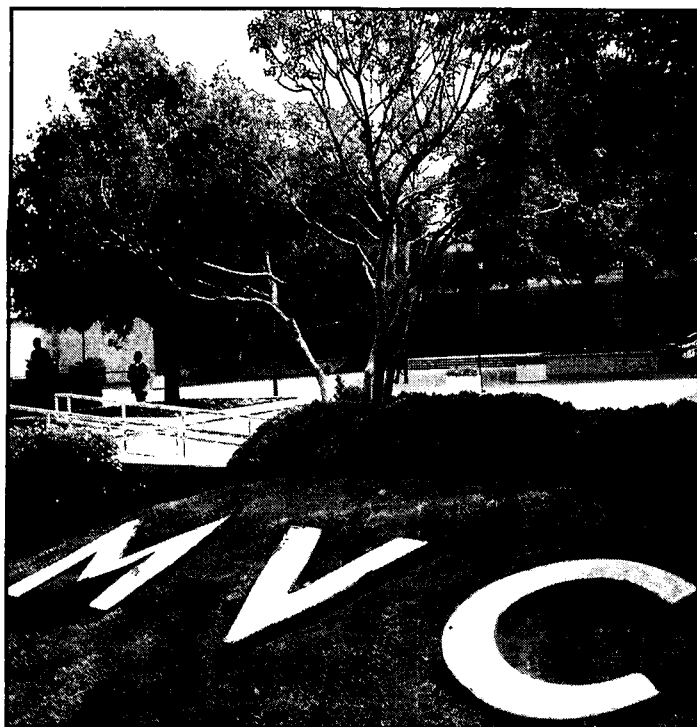
Under Texas Education Code, Section 51.911, all institutions of higher education shall excuse a student from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused under this subsection may not be penalized for that absence and shall be allowed to take an examination or complete an assignment for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused within a reasonable time after the absence. If a student and an instructor disagree about the nature of the absence being for the observance of a religious holy day, or if there is similar disagreement about whether the student has been given a reasonable time to complete any missed assignments or examinations, either the student or the instructor may request a ruling from the President of the institution or his or her designee. The student and instructor shall abide by the decision of the chief executive officer or his/her designee.

Dropping A Course or Withdrawing from College

To drop a class or withdraw from the college, you must follow the prescribed procedure. **It is your responsibility as a student to drop or withdraw.** Failure to do so will result in your receiving a performance grade, usually a grade of "F." Should circumstances prevent you from appearing in person to withdraw from the college, you may withdraw by the following: Mail or FAX to the registrar indicating which courses and by including your social security number or college I.D. number and signature; through the college online registration system; or through the "telephone registration" system. A drop/withdrawal request by any means must be received in the Registrar's Office by the official drop/withdrawal deadline. No drop or withdrawal requests are accepted by telephone unless through the "telephone registration" system. If you drop a class or withdraw from the college before the official drop/withdrawal deadline, you will receive a "W" (Withdraw) in each class dropped. The deadline for receiving a "W" is indicated on the academic calendar and the current class schedule. See Refund Policy for possible refund eligibility. Students who drop or withdraw should be aware of the course repeat policy in the next paragraph.

Repeating Courses

The State of Texas financially subsidizes the education of college students. In other words, the tuition paid by any student represents only a portion of the real cost of any credit and many Continuing Education courses since the State pays the remainder of the costs. The Texas State Legislature has



mandated that effective with the Fall 2002 Semester, most credit and Continuing Education courses may be attempted only two times; the State will no longer subsidize a student's enrollment for these courses for a third or subsequent attempt. Therefore, students may have to pay a higher rate of tuition or may be denied registration for a course for the third or subsequent time they attempt a course. Students should see an academic advisor to determine if they are repeating a course at least the third time. Students should carefully select courses. They should also take care in dropping a course as any future retake of that course may result in a higher rate of tuition or they may be denied registration for that course. See the following web page for information about courses exempt from this ruling and for cross-lists of both academic and continuing education courses: https://www1.dcccd.edu/catalog/ss/oep/repeating_courses.cfm.

Students Called into Active Duty

If you are called to report to active duty, please bring your official orders to the Admissions Office for processing. The Texas Higher Education Coordinating Board rules (chapter 21 Section 21.5) indicate, "If a student withdraws from an institution because the student is called into active military service, the institution, at the student's option, shall:

1. refund the tuition and fees paid by the student for the semester in which the student withdraws;
2. grant a student, who is eligible under the institution's guidelines, an incomplete grade in all courses by designating "withdrawn-military" on the student's transcript; or
3. as determined by the instructor, assign an appropriate final grade or credit to a student who has satisfactorily completed a substantial amount of course work and who has demonstrated sufficient mastery of the course material.

Grades & Transcripts

Grades and Grade Point Average

Final grades are reported for each student for every course according to the following grading system.

Grade Interpretation		Grade Point Value
A	Excellent	4 points
B	Good	3 points
C	Average	2 points
D	Poor	1 point
E*	Effort	Not computed
F	Failing	0 points
I	Incomplete	Not computed
WX	Progress;	Not computed; re-enrollment required
W	Withdrawn	Not computed
CR	Credit	Not computed

*Used only with developmental studies courses.

Grade points earned for each course are determined by multiplying the number of points for each grade by the number of credit hours the course carries. For example, if you take a three-hour course and earn an "A" you will accumulate 12 grade points for that course. Your grade point average is computed by adding the total grade point values for all courses and dividing by the number of credit hours attempted during the same period. For example, if you take the following courses, you will earn the following grades and have a grade point average of 2.93:

Credit Hours	Grade	Grade Points
2-hour course	A	8
3-hour course	B	9
4-hour course	B	12
3-hour course	C	6
Total Credit Hours: 12		
Total Grade Points: 35		

$$35/12 = 2.93$$

Your transcript and grade reports will indicate two different Grade Point Averages, called GPAs. GPA (1) is based upon all courses completed in colleges of the DCCCD in which you received a performance grade of A-F. GPA (1) is used to determine Suspension/Probation status and athletic participation eligibility. GPA (2) is based upon grade points earned in all college-level courses taken at the college and all other colleges of the DCCCD in which you received a performance grade of A-F. Courses numbered below 1000, ARTS 1170, MUSI 9176, and DRAM 1170 are not used in the calculation of GPA (2). GPA (2) is used to determine eligibility for graduation, honor rolls, and eligibility in Who's Who in American Junior Colleges. It is also the GPA that may be considered by four-year institutions if you transfer.

For repeated courses, only the latest grade earned is included in cumulative grade point averages even if the latest grade is lower than a preceding grade. However, transcripts do indicate all work attempted and completed at all of the colleges of the DCCCD. When you withdraw from a course being

repeated, the cumulative grade point average is calculated by using the immediately preceding grade in the same course.

If you believe an error has been made in determining a course grade, you should contact the instructor or appropriate division office as soon as possible. For more information, see Grade Dispute Resolution in the section on College Policies and Procedures.

An incomplete grade of "I" may be given when an unforeseen emergency prevents you from completing the work in a course. The "I" must be converted to a performance grade (A-F) within 90 days after the first day of classes in the subsequent regular semester. If the work is not completed after 90 days, the "I" is converted to a performance grade, usually an "F".

An Incomplete Contract is used to assign an incomplete grade and states the requirements for the satisfactory completion of the course. The Incomplete Contract must be agreed upon and signed by the instructor, you, and the appropriate division dean and submitted with the final grade report. When an Incomplete Contract must be submitted without your signature, the instructor must include a statement indicating that you are aware of and agree with the contract.

If you do not complete course requirements, you may receive a "WX" grade when the instructor determines that reasonable progress has been made and when you can re-enroll for course completion prior to the certification date in the next regular semester. If you do not complete the course requirements, the "WX" is converted to a performance grade.

An "E" grade may be given when an instructor wishes to indicate that you have made progress in a developmental studies course. An "E" grade is non-punitive and is not computed. The "E" grade provides more flexibility for re-

Acceptable Scholastic Performance

College work is measured in terms of credit hours. The number of credit hours offered for each course is listed with the course description in this catalog. In college-level courses (those numbered above 1000), the number of credit hours a course has is indicated by the second digit of the course number. A course numbered 1301 is a 3-hour credit course, one numbered 2401 is a 4-hour course, etc.

Acceptable scholastic performance is the maintenance of a grade point average, based on GPA (1), of 2.0 (on a 4.0 scale) or better. You may not be graduated from any degree or certificate program unless you have a cumulative grade point average of 2.0, based on GPA (2), or better. Grade points and hours earned in courses numbered below 1000, ARTS 1170, MUSI 9176, and DRAM 1170 cannot be used to meet graduation requirements.

Grade Reports

Grade reports are no longer mailed to students. Students may acquire their grades online through www.econnect.dcccd.edu or by telephone at 972-613-1818.

Transcript of Credit

The transcript of credit is a chronological listing of college credit classes attempted within the DCCCD seven-college system. The transcript is official if the document is embossed with the college seal and imprinted with the signature of the Registrar. It includes both GPA(1) and GPA(2).

Upon your written request, the Registrar's Office will send an official transcript to you or to any college or agency named. A minimum of two working days is required for processing. A transcript will be released only if all obligations to the DCCCD have been settled. Transfer credits from other institutions are not recorded on transcripts. **If you desire a transcript of work completed at another institution, you must secure it from that institution.**

Transcript Evaluations

If you have completed course work at a regionally accredited college or university, and you will be working toward an associate degree or a certificate at the college, you should contact the Registrar's Office to request a transcript evaluation. The college will inform transfer students of the amount of credit which will transfer, if not prior to your enrollment, but at least prior to the end of the first academic term in which you are enrolled.

Transcript Request

To request a free copy of your transcript, write or fax the Admissions Office at the college of the DCCCD you last attended. You can also make your request online through the DCCCD website. The registrar needs a dated and signed request that includes the following:

- Your name
- a copy of your driver's license
- your Social Security number (optional)
- when you attended
- where to send the transcript

Your signature is **REQUIRED**. The Registrar cannot fill the request without it. College addresses and telephone numbers can be found at <http://www.dcccd.edu/maps/maps.htm>.



enrollment, particularly for students who do not achieve a C-level grade in a course. An "E" grade indicates that you participated in a course according to TSI guidelines, but were unable to do C-level or passing work that would qualify you to enroll in transfer-level courses. The E grade indicates below college skill level work, but shows that you participated in and attended the class and attempted to do the work in the course.

Students on Federal Financial Aid should check with the Financial Aid Office concerning E grade(s) and any impact they have on benefits.

Probation, Suspension & Dismissal

Scholastic Probation

If you have completed a total of nine (9) credit hours with a performance grade of "A," "B," "C," "D" or "F" and have a grade point average based on GPA(1) of less than 2.0, you will be placed on scholastic probation. While on scholastic probation, you may have coursework and total hours limited, but you may re-enroll at the college if you earn a minimum 2.0 grade point average based on GPA(1) in each semester or summer session. While on scholastic probation, if you fail to meet the above requirements in a semester or summer session, you will be placed on scholastic suspension and will not be allowed to register.

Scholastic Suspension

If you are on scholastic probation and become ineligible to re-enroll, you shall be suspended from the college for not less than one semester.

After you have served a first suspension, you may petition for readmission. If readmission is approved, you may then continue to re-enroll with completion of a semester or summer session with a GPA of 2.0 or greater.

Academic Dismissal

If you do not meet the required standards and are placed on continued scholastic suspension for a second time, you will be academically dismissed for a period of 12 months. Prior to applying for readmission, you must present to the admissions committee a written explanation of how you plan to improve your academic standing. You may be readmitted on continued scholastic probation, and your coursework and total hours may be limited.

Indefinite Academic Dismissal

If you are readmitted after having been on scholastic suspension and academic dismissal, and subsequently fail to achieve a GPA (1) of 2.0 greater, you shall be placed on indefinite academic dismissal. After a period of more than 12 months, only the Vice President of Student Development or designee may recommend you for readmission.

It is your responsibility to understand and comply with the college's academic standards and procedures of the institution.

If you are on academic suspension or academic dismissal from another institution, you are ineligible for admission to the college unless you have met the academic standards required by the college.

Graduation Requirements

In addition to other graduation requirements, you are expected to complete within five (5) years the course and hour degree requirements as outlined in the catalog in effect at the time of your entrance to the college. You may have the option to select a more recent catalog year in which you were enrolled, provided the degree requirements are met within five (5) years of the catalog selected and the requisite courses are still offered.

To qualify for a second degree or certificate, you must fulfill the residence requirement and must complete all required courses in the plan for the second degree or certificate.

The college reserves the right to modify curricula or to make changes as appropriate.

You, the student, have the ultimate responsibility to select and register for courses meeting graduation requirements.

Associate Degree Plans

If you are seeking an associate degree, you should request a degree plan from the Registrar's Office no later than at the end of your freshman year and preferably sooner. Official transcripts of all previous college work must be on file at the time you request a degree plan. The application for the granting of the degree should be filed in the Registrar's Office prior to the deadline announced by the registrar.

Certificate Plans

If you are following a one-year certificate program, you should request an official plan during your first semester of enrollment. The application for the granting of the certificate should be filed in the Registrar's Office prior to the deadline announced by the Registrar.

Graduation Ceremony

An annual graduation ceremony is held at the conclusion of the spring semester. Participation is ceremonial only and confers on a student no rights to a degree. If you graduate in December, you may participate in the next commencement if you desire; likewise if you graduate in July or August, you may participate in the spring commencement if you desire, but you are not required to do so. You should notify the Registrar's Office if you wish to participate in the commencement ceremony. Instructions for graduation are mailed to all candidates prior to commencement. The college may schedule additional graduation ceremonies.

Waiving of Scholastic Deficiency for Graduation

Purposes

Any student in an academic transfer program may transfer to an Associate in Applied Sciences Degree or certificate program. In such a case, you may choose to have any grades below "C" disregarded. The procedure for disregarding low grades below a "C" may only be exercised while you are in that career program. The GPA for an Associate in Applied Sciences Degree or certificate is based only on the hours used to meet degree requirements; however, the overall GPA (2) must still be 2.0 or above. If you change to an academic transfer program, the original conditions of the academic transfer program must be followed, including the calculation of a cumulative grade point average of all college credits earned. The procedure for waiving scholastic deficiency applies both to students of this college and to students transferring from other institutions. If you wish to use the procedure for waiving scholastic deficiency, you should indicate this in writing to the registrar prior to registration, and you should inform a counselor of your intentions during the pre-registration advisement session.

***Working toward an
Associate Degree?
File a degree plan in
the Registrar's Office
before the end of your
freshman year.***

Academic Recognition & College Honors

Full-time students who complete at least 12 hours of college-level credit and earn a grade point average of 3.5-3.79 are listed on the Vice President's Honor Roll. Full-time students who complete at least 12 hours of college-level credit and average 3.8-4.0 are placed on the President's Honor Roll. Part-time students who take six to 11 college-level credit hours and maintain a 3.5 or higher grade point average are placed on the Academic Recognition List. GPA (2) is used to determine academic recognition.

Phi Theta Kappa

Phi Theta Kappa is the international honor society for community colleges. Founded in 1918 to give prestigious recognition to students with excellent scholarship and character, Phi Theta Kappa has always maintained fidelity to its founders' commitment to provide enrichment in four hallmarks: scholarship, leadership, service, and fellowship. Phi Theta Kappa features some of the nation's finest educational programs for community college students. These programs form the cornerstone of the DCCCD's successes in nurturing intellectual curiosity, good citizenship, and leadership potential. Many scholarship opportunities are available including the USA All-American Scholarships and the Guistwhite Scholarship Program.

Who's Who Among Students in American Community Colleges

Selections to Who's Who Among Students in America Community Colleges are made each fall. Who's Who is a highly regarded honor reserved for outstanding second-year college students eligible for the program. In general, students are recognized at graduation and at convocation in the spring.

Bill J. Priest Institute for Economic Development

Business and Industry Services

The DCCCD's Bill Priest Institute and seven colleges strive to meet the business community's training needs. The DCCCD offers credit and non-credit training, and frequently customizes training to meet the unique needs for specific businesses. Training is offered at the work site or at any DCCCD location, and trainers are industry-experienced experts who know their subjects well. For information about business and industry services at any DCCCD location, call (214) 860-2135.

Job Profiling and Matching

Using the Job Profiling and Matching services, the Bill Priest Institute can help your organization evaluate your hiring needs, profile your jobs and scientifically match those needs with qualified applicants.

ACT Center

Training employees to be productive and skillful is one of the most expensive problems facing companies. To help

combat this, the Bill Priest Institute has partnered with ACT, best known for its college entrance exam, to be the Dallas headquarters for a testing and training center designed to help businesses and individuals achieve their goals while boosting the skills of our workforce. The Bill Priest Institute's ACT CenterSM offers convenient and affordable access to more than 2,000 high-tech, web-based job training and testing programs. The Act Center is an invaluable addition to the DCCCD. The ACT Center provides:

- Local training or distance learning (when appropriate technology is available).
- On-demand learning opportunities for individuals or groups.
- A backup source of training, even when training is typically conducted by training staff of the corporation.
- Individualized, self-paced courseware that will save time and money by not duplicating what employees already know.
- Latest state-of-the-art technology for delivering training, education, and assessments.

tompeters! Company

The Bill Priest Institute is the first Texas college to join the Tom Peters Alliance, a partnership between the tompeters company! and educational institutions nationwide designed to engage a dynamic delivery system for business performance improvement consultation and training programs. The training services, which are about bringing passion, caring and commitment to work, include: The Leadership ChallengeTM Workshop; Leadership is Everyone's BusinessTM Workshop; Tom Peters WOW! ProjectsTM Workshop; and Brand YouTM Inspire Performance Workshop.

ISO 9000 Implementation

Your competitors enjoy a preferred status with customers, have increased bid opportunities, and can more readily seek sales abroad. Many companies want ISO 9000 certification but have been discouraged by the high cost of using outside resources to become prepared. Others that try to prepare with internal resources have found the documentation process overwhelming. The Bill Priest Institute, in association with QRX Incorporated, the Texas Manufacturing Assistance Center and accredited registrars, offers a cost-effective ISO 9000 program to help you improve your company's competitive position. Combining training sessions and workshops, benchmarking with peer groups, coaching and feedback from internationally recognized ISO/QS 9000 experts, the program ensures measurable improvements in your company's processes - even before you gain certification. With no prior ISO 9000 experience, your company can become certified in less than one year.

Fast Track Business Software Workshops

The Bill Priest Institute offers Fast Track computer software workshops at the Universities Center at Dallas (UCD), conveniently located in downtown Dallas. Specially designed to meet business needs, individuals or small groups of employees learn the latest skills in the software applications they use the most while missing only one day of work.

**For more information
on the
Bill Priest Institute's
numerous & varied
offerings for
businesses, call
214-860-5900.**

Office Space and Services

Keeping overhead expenses to a minimum is critical to a start-up company's survival. That's why the Bill Priest Institute leases office space at affordable rates to small businesses at 1402 Corinth Street, conveniently located just south of downtown Dallas. The Business Incubation Center offers young, service-oriented companies the facilities and services necessary to thrive during the first four years of operation. Easy access to the Small Business Development Centers' on-site training and counseling is an added bonus. Finding assistance with creating your own marketing plan or obtaining a patent is as simple as walking down the hall to visit with one of the SBDC's counselors.

A variety of lease options is available—from single offices to four-office suites. Rates for office space are designed to provide maximum flexibility and diverse options. Space cost is based on actual square footage leased upon move-in. The following services are available:

- * Daily office cleaning
- * Fax machines
- * Copiers
- * Secure garage parking
- * 24-hour security and access

Small Business Development Centers

The Small Business Development Centers (SBDCs) of the DCCCD are partnership programs with the U.S. Small Business Administration (SBA). SBDCs are dedicated to giving business owners free counseling and affordable training on a variety of important topics.

Experts assist you in getting your business off the ground by helping you write your business plan, acquire financing and market your products and services. If you're already in business and need help marketing on the Internet, getting a patent, obtaining government contracts, complying with environmental regulations, or entering international markets, our SBDCs can point you in the right direction. Nationally certified counselors address:

- * Management issues
- * Marketing
- * Accessing capital
- * Business expansion
- * Buying or selling a business
- * International trade
- * Government contracting
- * Patents, copyrights and trademarks
- * Environmental regulation compliance
- * Technology and manufacturing

North Texas Small Business Development Center

The Bill Priest Institute is home to the headquarters for the North Texas Small Business Development Center, which oversees the operation of 17 SBDCs throughout the 49-county North Texas area. The following SBDCs are hosted by DCCCD entities in partnerships with the SBA:

- * Best Southwest SBDC, located at Cedar Valley College
- * Dallas SBDC, located at the Bill Priest Institute
- * Risk Management SBDC, located at the Bill Priest Institute
- * International SBDC, located at the World Trade Center, hosted by the Bill Priest Institute
- * Government Contracting SBDC, located at the Bill Priest Institute
- * Technology Assistance SBDC, located at the Bill Priest Institute.

Distance Learning

Technology has revolutionized almost every aspect of our lives. We communicate, work and travel with greater speed and precision. We now use the Internet for everything from trading stocks to grocery shopping—so, it only makes sense that we would use technology for education and learning.

Imagine taking classes from the convenience of your home, office or wherever your laptop can take you. That's what the Dallas TeleCollege and distance learning is all about. The Dallas County Community College District (DCCCD) has been in the distance learning business for over 25 years. In 1991, the LeCroy Center for Educational Telecommunications (LCET) was established to house the rapidly growing and expanding distance learning and course development program. Today the DCCCD has over 15,000 distance learning enrollments every year.

Distance learning is a collaborative effort of all seven colleges of the DCCCD, each accredited by the Commission of Colleges of the Southern Association of Colleges and Schools. This program draws its strength from its faculty and the integrity of the course content, from technical to baccalaureate-transfer classes, offered by the colleges. Faculty ensure the continued success of distance learning courses by facilitating vigorous student interaction via multiple technologies.

Many aspects of the district-wide distance learning administration, technology infrastructure and instructional support service function are housed at the R. Jan. LeCroy Center for Educational Telecommunications, located adjacent to the Richland College campus in North Dallas. In addition to Dallas TeleCollege, the LeCroy Center operates:

- Dallas TeleLearning (telelearning, dccc.edu); one of the nation's premier producers of educational telecommunications and distance learning products;
- Dallas Teleconferences, award-winning producer of international teleconferences on topics supporting education and training for educational institutions, businesses and government agencies; and
- STARLINK, a Texas-statewide videoconference network that produces and distributes staff development programming primarily for 90-two year colleges, technical institutions, state agencies and other public entities.

DALLAS TeleCollege

The options for distance learning are accessible to students locally, nationally and internationally. DALLAS TeleCollege is the DCCCD's "virtual campus." This virtual campus gives students the ability to access to college courses without having to come to the campus location. DALLAS TeleCollege continuously increases access to DCCCD programs and courses offered via distance learning by coupling instruction that can be offered at a true-distance, without campus-based requirements, with an array of student services accessible to students anywhere, anyplace. Dallas TeleCollege offers everything you need, virtually.

Students may apply for the following degrees through distance education; the Associate of Arts Degree, the Associate of Sciences Degree, and the Associate in Business Degree.

Admissions

Dallas TeleCollege Admissions is located at the R. Jan LeCroy Center for Educational Telecommunications. Dallas TeleCollege admissions policies are those of the DCCCD. See *Getting Started*. Dallas TeleCollege is a collaborative effort of all seven DCCCD colleges. You may apply for admissions to the DCCCD online, or for more information about Dallas TeleCollege Admissions contact the office directly at: www.telecollege.dcccd.edu.

Dallas TeleCollege Admissions
9596 Walnut St.
Dallas, TX 75243-2112
Phone: (972) 669-6414
If outside of Dallas: 1 (888) 468-4268

Registration

Dallas TeleCollege Online Registration is housed at the R. Jan LeCroy Center for Educational Telecommunications. All district policies and requirements apply to Dallas TeleCollege registrations.

Dallas TeleCollege class schedules are available online at the Dallas TeleCollege homepage at www.telecollege.dcccd.edu. Dallas TeleCollege offers regular semester (fall, spring and summer) courses, following the Academic Calendar of the DCCCD. In addition, the Dallas TeleCollege offers many courses through Open Enrollment. Open Enrollment sections are 16-week sessions that begin every month.

Students registering in Dallas TeleCollege sections (9000-level) may access online registration at the Dallas TeleCollege homepage at www.telecollege.dcccd.edu. For more information about Dallas TeleCollege Registration, contact the office directly at:

Dallas TeleCollege Registration
9596 Walnut St.
Dallas, TX 75243-2112
Phone: (972) 669-6414
If outside of Dallas, toll-free: 1 (888) 468-4268

Advising

Dallas TeleCollege makes academic advising accessible and convenient to students needing the flexibility of campus-free education and services. Distance learners in need of assistance with a variety of advising issues including degree planning, schedule building, determining TSI standards and course prerequisites may contact a Dallas TeleCollege Academic Advisor. The Dallas TeleCollege self assessment tool, "Is Distance Learning Right For Me", allows students to self-access whether they possess characteristics that would best position them for success in a distance learning environment. The tool is available on the Dallas TeleCollege website at www.telecollege.dcccd.edu.

Dallas TeleCollege Academic Advising is available online at the Dallas TeleCollege homepage at www.telecollege.dcccd.edu or by phone at (972) 669-6417, or if outside Dallas, toll-free at 1 (888) 468-4268.

Dallas TeleCollege Advising
9596 Walnut St.
Dallas, TX 75243-2112
Phone: (972) 669-6417
E-Mail: dtcadvisor@dcccd.edu
If out of Dallas, toll-free: 1 (888) 468-4268

Financial Aid

Financial aid is available for courses offered through Dallas TeleCollege, as it would be for the same courses offered through DCCCD colleges. All district and federal financial aid policies and requirements apply to Dallas TeleCollege students and courses. For more information regarding financial aid see the Financial Aid section of this catalog.

A Dallas TeleCollege Financial Aid Advisor is available to all Dallas TeleCollege students at the Dallas TeleCollege homepage, www.telecollege.dcccd.edu. Students utilizing financial aid interested in Dallas TeleCollege sections are encouraged to contact the Dallas TeleCollege Financial Aid Advisor. The site is also a rich resource of web-based information regarding financial aid, including links to online FAFSA (Free Application for Federal Student Aid) and other web-based resources.

Learning Resources

Dallas TeleCollege makes available and maintains various learning resources. The Dallas TeleCollege library is made possible through a partnership with Richland College. The online library makes available the latest in web-based library and reference tools including online databases, the DCCCD library catalog, online research assistance, an online "Ask a Librarian" feature, bibliographies, quotations and more. The Dallas TeleCollege Library may be accessed through the Dallas TeleCollege homepage at www.telecollege.dcccd.edu. Dallas TeleCollege also supports a variety of learning resources in the areas of study skills and writing skills. The Dallas TeleCollege Online Writing Lab allows you to submit short questions about grammar, punctuation, and spelling. The Online Writing Lab staff will read and comment on short essays sent via e-mail.

For more information about these and other learning resources available through Dallas TeleCollege, visit the homepage, at www.telecollege.dcccd.edu.

Course Formats

Distance learning courses are offered in a number of formats. Each format may utilize a variety of learning technologies, such as video and CD-ROM, which are designed to enhance the learning experience. Course formats are either offered completely at a distance or require on campus visits.

Completely at a Distance

- **Online Course**
Online courses are delivered using only computers and computer peripherals. Students are required to have reliable Internet access and the latest version of Internet browser software. The online classroom is used to deliver instruction, facilitate interactions between faculty and students.
- **Telecourse PLUS Course**
The Telecourse PLUS incorporates the use of video and the online classroom. The course includes a pre-produced video series with print materials. Students are required to have access to local cable for viewing or a VHS format videocassette player. Students are also required to have reliable Internet access and the latest version of Internet browser software. The online classroom is used to deliver instruction, facilitate interactions between faculty and students, and more.

On-Campus Requirements

- **Telecourse**
The Telecourse allows the students to work and learn independently, with campus-based requirements including orientations, testing, and review sessions. The course includes a pre-produced video series with print materials. Class interaction is offered through telephone, fax and mail. Students are required to have access to local cable for viewing or a VHS format videocassette player.
- **Campus-Based Distance Learning**
Campus-based distance learning courses may include any of the above formats along with on-campus requirements. This means that students must visit the campus for a portion of their class. Most student services are also delivered on campus and not at a distance.
- **Individualized Distance Learning Courses (IDL)**
IDL courses are individual study courses that use print materials and required activities related to course topics. This self-paced course requires a faculty-to-student agreement for specific work assignments and/or projects. Additional requirements include a study-faculty orientation, written assignments, and tests. Contact your instructor for more information.

Learning Technologies

Course formats may include one or more of the following learning technologies:

- **Internet**
Courses utilizing the Internet require students have Internet access and the latest version of a browser (Netscape or Internet Explorer).

- **Video Series**
Several course formats such as telecourses utilize pre-produced video series which can be viewed in the following ways:
- **Local Cable TV** – Videos can be viewed through many local cable channels at scheduled times.
- **Videotapes** – Videotapes may be leased from our online bookstore and viewed on a video cassette player or viewed on campus in the media center.
- **Video Streaming** – Video streaming allows you to view video lesson programs from your home or office computer. This service requires broadband connectivity such as DSL, cable modems, or wireless connections, and payment of a fee.
- **CD-ROM/DVD** – in some cases videos may be available on CD-ROM and/or DVD.
- **CD-ROM**
The CD-ROM format is a student-centered instructional design using fully integrated multimedia course delivery along with supported print materials. This format brings video programs, interactive computer-based activities, and Internet resources to the student's desktop. Materials include a pre-produced video series along with print materials.

For more information about Dallas Telecollege Administration and Student Services visit our website at www.telecollege.dcccd.edu.

Degrees Offered

Associate in Arts Degree, Associate in Sciences Degree, Fields of Study, and Emphasis Degrees

In addition to the Associate in Arts and Associate in Sciences Degrees offered, a student may also complete an official Field of Study.

The Texas Higher Education Coordinating Board has created Fields of Study, which are designed to transfer as a block of credit to any Texas public college or university. Fields of Study are comprised of courses a student should complete at the freshman and sophomore level that will lead to a specific major in a degree. Students' transcripts will include a notation that states a specific Field of Study has been completed. In order for such a notation to appear, students must successfully complete specific courses comprising the Field of Study. No course substitutions, other than those shown within the plan, will be permitted.

In addition, students may wish to combine a completed Field of Study with the college core curriculum requirements to complete the appropriate Associates degree. In order to do so, students should complete the courses indicated in the degree plans located elsewhere in this catalog. However, students may have to make a choice between pursuing the degree or the official Field of Study because of the number of hours required. As additional Fields of Study are made available, information may be located on the college web page. The following Fields of Study are currently available:

- Associate in Sciences Degree with a Field of Study in Business
- Associate in Sciences Degree with a Field of Study in Computer Science
- Associate in Arts Degree with a Field of Study in Criminal Justice
- Associate in Sciences Degree with a Field of Study in Engineering Technology—
Computer Engineering Technology
- Associate in Sciences Degree with a Field of Study in Engineering Technology—
Electrical Engineering Technology
- Associate in Sciences Degree with a Field of Study in Engineering Technology—
Electronics Engineering Technology
- Associate in Arts Degree with a Field of Study in Mass Communications--Advertising and Public Relations
- Associate in Arts Degree with a Field of Study in Mass Communications--Broadcast Journalism
- Associate in Arts Degree with a Field of Study in Mass Communications--Journalism
- Associate in Arts Degree with a Field of Study in Music
- Associate in Arts Degree with a Field of Study in Teacher Preparation for Pre-K - Grade 4
- Associate in Sciences Degree with a Field of Study in Teacher Preparation for Grades 4-8 Certification

The college also offers a number of "emphasis" degrees in specific majors. An "emphasis" degree is one designed by the college. It includes the college core curriculum required in all degrees plus courses within the student's desired major. Students pursuing an "emphasis" degree should work closely with an advisor to ensure all courses will transfer and count toward the major at the selected institution to which the student plans to transfer. An "Articulated Emphasis" degree is one that will transfer to specified universities. As additional Emphasis Degrees are made available, information may be located on the college web page. The following Emphasis Degrees are currently available:

- Associate in Arts Degree with an Emphasis in Art
- Associate in Arts Degree with an Emphasis in Bilingual Teacher Preparation for Early Childhood Pre-K - Grade 4
- Associate in Sciences Degree with an Emphasis in Bilingual Teacher Preparation for Early Childhood Pre-K - Grade 4
- Associate in Sciences Degree with an Emphasis in Bilingual Teacher Preparation for Early Childhood, Grade 4-8
- Associate in Arts Degree with an Emphasis in Early Childhood Education--Grade 4 Teacher Preparation
- Associate in Sciences Degree with an Emphasis in Electrical Engineering
- Associate in Arts Degree with an Emphasis in Humanities
- Associate in Sciences Degree with an Emphasis in Mathematics
- Associate in Arts Degree with an Emphasis in Peace Studies
- Associate in Arts Degree with an Emphasis in Photographic/Imaging
- Associate in Arts Degree with an Emphasis in Teacher Preparation—Teacher Preparation General Education
- Associate in Arts Degree with an Emphasis in Teacher Preparation—Urban Education

See specific degree plans and certificate plans under the Associate in Applied Sciences, Emphasis Degrees and Field of Study Degrees for degree offerings by DCCCD college locations.

ASSOCIATE IN ARTS DEGREE

Available at all DCCCD Colleges

Degree Code: AA.ARTS

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 61 credit hours including all the required courses listed.
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315 and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

This degree may be taken through a combination of on-campus and distance education offerings, or if planned correctly, the degree may be completed entirely through distance education. Receiving institutions are not required to accept a grade below "C" in transfer.

Students who plan to transfer must work closely with an advisor.

Course Requirements for the AA Degree	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one from the following:</i> Math 1314, 1324, 1332, 1333, 1348, 1414, 2342, 2412, 2442 or higher level	3
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement cannot be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each from the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9
INSTITUTIONAL OPTIONS <i>Select each from the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
ELECTIVE CREDITS Select any 13 hours of elective college credit courses other than those with the prefix of BCIS, BIOL, CHEM, COSC, ENGR, GEOL, MATH or PHYS.	13
Total Credit Hours	61

ASSOCIATE IN SCIENCES DEGREE

Available at all DCCCD Colleges

Degree Code: AS.SCIENCE

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 61 credit hours including all the required courses listed.
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

This degree may be taken through a combination of on-campus and distance education offerings, or if planned correctly, the degree may be completed entirely through distance education. Receiving institutions are not required to accept a grade below "C" in transfer.

Students who plan to transfer must work closely with an advisor.

Course Requirements for the AS Degree	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required.)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one from the following:</i> Math 1314, 1324, 1332, 1333, 1348, 1414, 2342, or 2412, 2442 or higher level	3
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement <i>cannot</i> be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each from the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319.	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9
INSTITUTIONAL OPTIONS <i>Select each from the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
ELECTIVE CREDITS Select at least 3-4 hours from the following prefixes: BCIS, BIOL, CHEM, COSC, ENGR, GEOL, MATH or PHYS. Select remaining 9-10 hours from any other college-level courses.	13
Total Credit Hours	61

Fields of Study Offerings

The Texas Higher Education Coordinating Board has created Fields of Study, which are designed to transfer as a block of credit to any Texas public college or university. Fields of Study are comprised of courses a student should complete at the freshman and sophomore level that will lead to a specific major in a degree. Students' transcripts will include a notation that states a specific Field of Study has been completed. In order for such a notation to appear, students must successfully complete specific courses comprising the Field of Study. No course substitutions, other than those shown within the plan, will be permitted.

Field of Study in Business—Available at all DCCCD Colleges

Speech 1315; Economics 2301 and 2302; BCIS 1405; Accounting 2301 or 2401 and 2302 or 2402; Math 1325 or 1425.

Field of Study in Computer Science—Available at Brookhaven, Cedar Valley, Eastfield, Mountain View, North Lake & Richland Colleges

Math 2414, 2513; Physics 2425 and 2426; Computer Science 1436, 1437, 2425 and 2436.

Field of Study in Criminal Justice—Available at Cedar Valley, Eastfield & Mountain View Colleges

Criminal Justice 1301, 1306, 1310, 2313 and 2328.

Field of Study in Engineering Technology—Computer Engineering Technology—Available at Mountain View & Richland Colleges

Math 2414, 2513; Physics 1401 and 1402; Chemistry 1411; English 2311; Engineering Technology 1401, 1402 and 1407.

Field of Study in Engineering Technology—Electrical Engineering Technology—Available at Richland College

Math 2414, 2513; Physics 1401 and 1402; Chemistry 1411; English 2311; Engineering Technology 1401, 1402 and 1407.

Field of Study in Engineering Technology—Electronics Engineering Technology—Available at Mountain View & Richland Colleges

For math, students may select option A or B (OPTION A: take Math 1314 or 1414 and 1316 or 2412; **OR** OPTION B: take Math 2414 and 2513). Physics 1401 and 1402 or 2425 and 2426; Chemistry 1411; English 2311; Engineering Technology 1401, 1402 and 1407.

Field of Study in Mass Communications—Advertising and Public Relations—Available at Brookhaven & Richland Colleges

All students pursuing this degree **MUST** complete Option A or B:

OPTION A

Select **each** of the following courses: Journalism 1307, 2327; Drama 2330 **AND**

Select **one** course from the following: Journalism 2305, 2311, 2315, 2332; Photography 2356; Communications 1336, 1337

OPTION B

Select **each** of the following courses: Journalism 1307 **and** Journalism 2327, or Drama 2330 **AND**

Select **two** courses from the following: Journalism 2305, 2311, 2315, 2332; Photography 2356; Communications 1336, 1337

Field of Study in Mass Communications—Broadcast Journalism—Available at Richland College

All students pursuing this degree **MUST** complete Option A or B:

OPTION A

Select **each** of the following courses: Journalism 1307, 1335; Drama 2336 **AND**

Select **one** course from the following: Journalism 2311, 2315, 2332; Communications 1336, 1337

OPTION B

Select **each** of the following courses: Journalism 1307 **and** Journalism 1335 or Drama 2366 **AND**

Select **two** courses from the following: Journalism 2311, 2315, 2332; Communications 1336, 1337

Field of Study in Mass Communications-Journalism-Available at Brookhaven, Eastfield & Richland Colleges

All students pursuing this degree **MUST** complete Option A or B:

OPTION A

Students must take: Journalism 1307 **AND**

Select **one** course from the following courses: Journalism 1335, *2311, 2327, 2330 **AND**

Select **two** courses from the following: Journalism 2305, *2311, 2315; Photography 1316

* Journalism 2311 is not repeatable for credit and will satisfy only one requirement.

OPTION B

Students must take: Journalism 1307 **AND**

Select **two** courses from the following: Journalism 1335, *2311, 2327, 2330 **AND**

Select **one** course from the following: Journalism 2305, *2311, 2315; Photography 1316

* Journalism 2311 is not repeatable for credit and will satisfy only one requirement.

Field of Study in Music—Available at all DCCCD Colleges

MUSI 1308; Four semester hours from MUEN 1121, 1122, 1123, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1151, 1152, 1153, 2123, 2141; Eight semester hours from MUAP 1101, 1105, 1109, 1113, 1115, 1117, 1121, 1125, 1129, 1133, 1137, 1141, 1145, 1149, 1153, 1157, 1158, 1161, 1165, 1169, 1177, 1181, 2201, 2205, 2209, 2213, 2215, 2217, 2221, 2225, 2229, 2233, 2237, 2241, 2245, 2249, 2253, 2257, 2258, 2261, 2265, 2269, 2277, 2281; Sixteen semester hours from MUSI 1116, 1117, 1311, 1312, 2311, 2312, 2116, 2117.

Field of Study in Teacher Preparation for Pre-K - Grade 4—Available at Brookhaven, Cedar Valley, Eastfield, Mountain View & Richland Colleges

TECA 1303, 1311, 1318 and 1354.

Field of Study in Teacher Preparation for Grades 4-8 Certification—Available at Brookhaven, Eastfield, Mountain View & Richland Colleges

EDUC 1301; TECA 1354; Math 1350 and 1351.

ASSOCIATE IN SCIENCES DEGREE WITH A FIELD OF STUDY IN BUSINESS

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board

Available at all DCCCD Colleges

Degree Code: AS.FS.BUSINESS

This degree plan is designed to meet the needs of students who plan to major in Business and transfer to a four-year college/university. This curriculum applies to the Bachelor of Arts, Bachelor of Science, or Bachelor of Business Administration as deemed appropriate by the awarding institution. The field of study in business included in this degree is approved by the Texas Higher Education Coordinating Board. This degree plan will constitute a 61-64 semester credit hour transfer block to any public Texas four-year college or university. Transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. Completion of the field of study curriculum shall not prevent a receiving institution from requiring additional lower-division courses that may be necessary for specific degree programs. Receiving institutions are not required to accept a grade below "C" in transfer.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 61 credit hours including all the required courses listed;
2. Earn a grade of "C" or better in English 1301, Speech 1315, and Math 1324;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Course Requirements for the AS Degree Business Field of Study	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS Math 1324 (A grade of "C" or better required.)	3
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408 and 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement <i>cannot</i> be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302; Economics 2301	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the following:</i> <ol style="list-style-type: none"> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304 	9
INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and BCIS 1405	5
REQUIRED BUSINESS FIELD OF STUDY COURSES <i>Select each of the following:</i> Accounting 2301 or 2401 and 2302 or 2402; Economics 2302; Math 1325 or 1425	12-15
Total Credit Hours	61-64

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses: Speech 1315; Economics 2301 and 2302; BCIS 1405; Accounting 2301 or 2401 and 2302 or 2402; Math 1325 or 1425.

ASSOCIATE IN SCIENCES DEGREE WITH A FIELD OF STUDY IN COMPUTER SCIENCE

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board

Available at Brookhaven, Cedar Valley, Eastfield, Mountain View, North Lake and Richland Colleges

Degree Code: AS.FS.COMP.SCI

This degree plan is designed to meet the needs of students who plan to major in Computer Science and transfer to a four-year college or university. The Texas Higher Education Coordinating Board approves the field of study in Computer Science included in this degree. This degree plan will constitute a semester credit hour transfer block to any public Texas four-year college or university with a Computer Science Major. Transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. Completion of the field of study curriculum shall not prevent a receiving institution from requiring additional lower-division courses that may be necessary for specific degree programs. Because of the complexity of requirements, student must plan very carefully and work with an advisor.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 67 credit hours including the courses listed below;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the first college-level math course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

It is recommended that students complete the math sequence, physics sequence, and computer science sequence at the same institution to reduce the likelihood of potential gaps in the curriculum.

Course Requirements for the AS Degree Computer Science Field of Study	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS ¹ Math 2513 (A grade of "C" or better required in the first college-level math course.)	5
LAB SCIENCES <i>Select each from the following:</i> ² Physics 2425 ³ Physics 2426	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9

continued on next page

INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 ⁴ Computer Science 1436	5
REQUIRED COMPUTER SCIENCE FIELD OF STUDY COURSES <i>Select each of the following:</i> ⁵ Computer Science 1437 ⁶ Computer Science 2436 ⁷ Computer Science 2425 ⁸ Mathematics 2414	16
TOTAL CREDIT HOURS <i>Note: State universities are required to accept only 66 hours in transfer; therefore, it is strongly suggested that students check with their receiving university regarding the acceptance of any credit hours over the 66 credit hour maximum. Students may have to make a choice between completing the Field of Study or the degree.</i>	67

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses: Math 2513 and 2414; Physics 2425 and 2426; Computer Science 1436, 1437, 2425 and 2436.

- ¹ Mathematics 2513 has the prerequisite of Mathematics 2412, which has the prerequisite of Mathematics 1316, which has the prerequisite of Mathematics 1314 or 1414, which has the prerequisite of two years of high school algebra and an appropriate assessment score or Developmental Mathematics 0099 or 0093.
- ² Physics 2425 has the prerequisite of credit or concurrent enrollment in Mathematics 2513.
- ³ Physics 2426 has the prerequisite of Physics 2425 and credit or concurrent enrollment in Mathematics 2414.
- ⁴ Computer Science 1436 is not part of the Computer Science major requirements at The University of Texas at Austin, University of Texas at Arlington, University of Texas at Dallas, and Texas A & M University.
- ⁵ Computer Science 1437 has the prerequisite of Computer Science 1436. Computer Science 1437 is not part of the Computer Science major requirements at The University of Texas at Austin. Preparatory courses such as Computer Science 1436 and Computer Science 1437 will assist students that need additional background but do not apply toward the computer science major requirements.
- ⁶ Computer Science 2436 has the prerequisite of Computer Science 1437.
- ⁷ Computer Science 2425 has the prerequisite of Computer Science 1436. Computer Science 2425 is not part of the Computer Science major requirements at The University of Texas at Austin or Texas A & M University, but may be applied to general degree requirements.
- ⁸ Mathematics 2414 has the prerequisite of Mathematics 2513 or equivalent. Some universities require the completion of Mathematics 2315 as well; Mathematics 2315 has the prerequisite of Mathematics 2414.

ASSOCIATE IN ARTS DEGREE WITH A FIELD OF STUDY IN CRIMINAL JUSTICE

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board

Available at Cedar Valley, Eastfield and Mountain View Colleges

Degree Code: AA.FS.CRIMINAL.JUST

This degree plan is designed to meet the needs of students who plan to major in Criminal Justice and transfer to a four-year college or university. The Texas Higher Education Coordinating Board approves the field of study in Criminal Justice included in this degree. This degree plan will constitute a semester credit hour transfer block to any public Texas four-year college or university with a Criminal Justice Major. Transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. Completion of the field of study curriculum shall not prevent a receiving institution from requiring additional lower-division courses that may be necessary for specific degree programs. Students wishing to pursue a one-year or two-year program in this field and who do not wish to transfer may wish to consider the Associate of Applied Sciences Degree or a certificate rather than this plan. Students MUST verify the transferability of all DCCCD Criminal Justice courses prior to applying to a university.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 63 credit hours including the courses listed below;
2. Earn a grade of "C" or better in English 1301, Speech 1315, and Math 1324;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Course Requirements for the AA Degree Criminal Justice Field of Study	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS Math 1324 (A grade of "C" or better required.)	3
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement <i>cannot</i> be met by using the following combinations: BIOL 1406 & 1408; CHEM 1405 & 1411; PHYS 1401 & 1405; PHYS 1401 & 2425; PHYS 1405 & 2425	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302; Economics 2301	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9
INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 Computer Science 1300 or higher level COSC course	4
REQUIRED CRIMINAL JUSTICE FIELD OF STUDY COURSES <i>Select each of the following:</i> Criminal Justice 1301 Criminal Justice 1306 Criminal Justice 1310 Criminal Justice 2313 Criminal Justice 2328	15
TOTAL CREDIT HOURS	63

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses:
 Criminal Justice 1301, 1306, 1310, 2313 and 2328.

ASSOCIATE IN SCIENCES DEGREE WITH A FIELD OF STUDY IN ENGINEERING TECHNOLOGY - COMPUTER ENGINEERING TECHNOLOGY

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board
Available at Mountain View and Richland Colleges

Degree Code: AS.FS.COMP.ENGR.TECH

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 72 credit hours including all the required courses listed;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Students who plan to transfer must work closely with an advisor. This plan allows transfer to all Texas public institutions offering a degree in this discipline including the University of Houston, University of Houston-Downtown and Prairie View A&M. Students should check with the transfer institution to determine the total number of transfer credits the institution will accept. Students who do not plan to transfer may wish to look at related Associate in Applied Sciences degrees and/or certificates.

Course Requirements for the AS Degree Computer Engineering Technology Field of Study	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS Math 2513 (A grade of "C" or better required.)	5
LAB SCIENCES <i>Select each of the following:</i> Physics 1401 and 1402	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9
INSTITUTIONAL OPTIONS Computer Science 1300 or higher level COSC course	3
REQUIRED COMPUTER ENGINEERING TECHNOLOGY FIELD OF STUDY COURSES <i>Select each of the following:</i> Chemistry 1411 Math 2414 English 2311 Engineering Technology (ENGT) 1401, 1402 and 1407	23
Total Credit Hours <i>Note: State universities are required to accept only 66 hours in transfer; therefore, it is strongly suggested that students check with their receiving university regarding the acceptance of any credit hours over the 66 credit hour maximum. Students may have to make a choice between completing the Field of Study or the degree.</i>	72

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses: Math 2513, 2414; Physics 1401 and 1402; Chemistry 1411; English 2311; Engineering Technology (ENGT) 1401, 1402 and 1407.

This plan also includes transfer to the University of Houston, University of Houston-Downtown, and Prairie View A&M.

ASSOCIATE IN SCIENCES DEGREE WITH A FIELD OF STUDY IN ENGINEERING TECHNOLOGY - ELECTRONICS ENGINEERING TECHNOLOGY

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board

Available at Mountain View and Richland Colleges

Degree Code: AS.FS.ELECTRONIC

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 69 credit hours including all the required courses listed;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Students who plan to transfer must work closely with an advisor. Students should check with the transfer institution to determine the total number of transfer credits that institutions will accept. Students who do not plan to transfer may wish to look at related Associate in Applied Sciences degrees and/or certificates.

Course Requirements for the AS Degree Electronics Engineering Technology Field of Study	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS Selected from the following according to where you wish to transfer: ¹ Math 1314 or 1414 ^{2&3} Math 2513 (A grade of "C" or better required.)	3-5
LAB SCIENCES <i>Select from the following according to where you wish to transfer:</i> ^{1&2} Physics 1401 and 1402 OR ³ Physics 2425 and 2426	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> <ol style="list-style-type: none"> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304 	9
INSTITUTIONAL OPTIONS Computer Science 1300 or higher level COSC course	3

REQUIRED ELECTRONICS ENGINEERING TECHNOLOGY FIELD OF STUDY COURSES <i>Select each of the following:</i> Chemistry 1411 English 2311 Engineering Technology (ENGT) 1401, 1402 and 1407 <i>Select from the following according to where you wish to transfer:</i> ¹ Math 1316 or 2412 ^{2&3} Math 2414	22-23
Total Credit Hours <i>Note: State universities are required to accept only 66 hours in transfer; therefore, it is strongly suggested that students check with their receiving university regarding the acceptance of any credit hours over the 66 credit hour maximum. Students may have to make a choice between completing the Field of Study or the degree.</i>	69-72

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses: Physics 1401 and 1402 or 2425 and 2426; Chemistry 1411; English 2311; Engineering Technology (ENGT) 1401, 1402 and 1407. The required math courses depend upon where students transfer. For math, students may select option A or B (OPTION A: take Math 1314 or 1414 and 1316 or 2412; OR OPTION B: take Math 2414 and 2513).

¹ Allows transfer to Sam Houston State Univ.

² Allows transfer to Sam Houston State Univ., Texas Tech Univ., Texas Southern Univ., and Univ. of Texas at Brownsville

³ Allows transfer to Sam Houston State Univ., Texas Tech Univ., Texas Southern Univ., and Univ. of Texas at Brownsville, Texas A&M Univ., Univ. of North Texas, and Texas A&M Univ.-Corpus Christi

ASSOCIATE IN ARTS DEGREE WITH A FIELD OF STUDY IN MUSIC

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board

Available at all DCCCD Colleges

Degree Code: AA.FS.MUSIC

This degree plan is designed to meet the needs of students who plan to major in Music and transfer to a four-year college/university. This curriculum applies to the Bachelor of Music degree, but also may be applied to the Bachelor of Arts or other baccalaureate-level music degree as deemed appropriate by the awarding institution. The field of study in music included in this degree is approved by the Texas Higher Education Coordinating Board. This degree plan will constitute a 66-semester credit hour transfer block to any public Texas four-year college or university.

Transferring students who have completed the field of study curriculum must satisfy the competency and proficiency requirements of the receiving institution. Transferring students shall not be required to repeat courses transferred as part of the field of study curriculum. However, diagnostic assessment of transfer students is permissible if the receiving institution routinely conducts diagnostic assessment of native students at the same point in the program of study.

Completion of the field of study curriculum shall not prevent a receiving institution from requiring additional lower-division courses that may be necessary for specific degree programs. Receiving institutions may require transfer students in specialized programs (e.g., jazz studies, performance, composition, music therapy, etc.) to take additional degree-specific lower-division courses that are not included in the field of study curriculum. Receiving institutions are not required to accept a grade below "C" in transfer.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 66 credit hours including all the required courses listed;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Course Requirements for the AA Degree Music Field of Study	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one of the following:</i> Math 1314 or Math 1414 or higher level	3-4
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408 and 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement <i>cannot</i> be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425. If a student is required to take 4 hours of Piano, this requirement is reduced to 4 hours.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302; *Psychology 2301 *If the university to which student wishes to transfer requires both Music 1308 AND 1309, or if student is undecided, the student does not have to take Psychology 2301.	12-15

continued on next page

HUMANITIES/VISUAL AND PERFORMING ARTS MUSI 1308 *MUSI 1309 *If the institution to which the student wishes to transfer requires only one music literature course, the student should take MUSI 1308. If it requires two music literature courses, the student should not take Psychology 2301, but should take MUSI 1308 and 1309.	6
REQUIRED MUSIC ENSEMBLE FIELD OF STUDY COURSES <i>Select four semester hours from the following:</i> MUEN 1121, 1122, 1123, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1151, 1152, 1153, 2123, 2141 (Courses may be repeated for credit.)	4
APPLIED STUDY I. <i>Select eight semester hours in the major applied area of study of the following:</i> MUAP 1101, 1105, 1109, 1113, 1115, 1117, 1121, 1125, 1129, 1133, 1137, 1141, 1145, 1149, 1153, 1157, 1158, 1161, 1165, 1169, 1177, 1181, 2201, 2205, 2209, 2213, 2215, 2217, 2221, 2225, 2229, 2233, 2237, 2241, 2245, 2249, 2253, 2257, 2258, 2261, 2265, 2269, 2277, 2281 (Courses may be repeated for credit) II. Applied/class piano MUSI 1181, 1182, 2181, 2182; MUAP 1169, 2269, 2369 The actual number of hours in piano is determined by the college based upon student's level and piano proficiency. If the institution determines the student needs 4 hours of piano, the science requirement is reduced to 4 hours.	8
THEORY/AURAL SKILLS <i>Select 16 hours from the following:</i> MUSI 1116, 1117, 1311, 1312, 2311, 2312, 2116, 2117 (Courses may be repeated for credit.)	16
TOTAL CREDIT HOURS <i>Note: State universities are required to accept only 66 hours in transfer; therefore, it is strongly suggested that students check with their receiving university regarding the acceptance of any credit hours over the 66 credit hour maximum. Students may have to make a choice between completing the Field of Study or the degree.</i>	66-67

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses: MUSI 1308; Four semester hours from MUEN 1121, 1122, 1123, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1151, 1152, 1153, 2123, 2141; Eight semester hours from MUAP 1101, 1105, 1109, 1113, 1115, 1117, 1121, 1125, 1129, 1133, 1137, 1141, 1145, 1149, 1153, 1157, 1158, 1161, 1165, 1169, 1177, 1181, 2201, 2205, 2209, 2213, 2215, 2217, 2221, 2225, 2229, 2233, 2237, 2241, 2245, 2249, 2253, 2257, 2258, 2261, 2265, 2269, 2277, 2281; Sixteen semester hours from MUSI 1116, 1117, 1311, 1312, 2311, 2312, 2116, 2117.

ASSOCIATE IN ARTS DEGREE WITH A FIELD OF STUDY IN TEACHER PREPARATION FOR PRE-K - GRADE 4

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board
Available at Brookhaven, Cedar Valley, Eastfield, Mountain View and Richland Colleges

Degree Code: AA.FS.TCH.PRP.PREK-4

This degree plan is an officially approved plan by the Texas Higher Education Coordinating Board for students who wish to pursue a Bachelor of Science in Human Sciences or Bachelor of Science in Interdisciplinary Studies with a concentration in Child and Family Studies/Child Development to become an Early Childhood teacher. Receiving institutions are not required to accept a grade below "C" in transfer.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 61 credit hours as shown below;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Course Requirements for the AA Degree in Child Development/Early Childhood Education	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required.)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one of the following:</i> Math 1314 or Math 1414 or higher level	3-4
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement <i>cannot</i> be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302; Psychology 2301	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the following:</i> <ol style="list-style-type: none"> I. Arts 1301 or Music 1306 II. English 2326, 2327, 2328, 2331, 2332, or 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; or Religion 1304 	9
INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
REQUIRED TEACHER PREPARATION FOR PRE-K - GRADE 4 FIELD OF STUDY COURSES <i>Select each of the following:</i> TECA 1303, 1311, 1318, 1354	12
ELECTIVE CREDITS <i>One additional hour or one* of these:</i> CDEC 1321* or 1421*, 1319*, 1359*, 2341* or 2441* *Before taking one, student should ensure the course is the correct one as approved by the university to which the student will transfer.	1-4
Total Credit Hours	61-65

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses: TECA 1303, 1311, 1318 and 1354.

ASSOCIATE IN SCIENCES DEGREE WITH A FIELD OF STUDY IN TEACHER PREPARATION FOR GRADES 4-8 CERTIFICATION

This plan is an official Field of Study Degree approved by the Texas Higher Education Coordinating Board
Available at Brookhaven, Eastfield, Mountain View and Richland Colleges

Degree Code: AS.FS.TCH.PRP.4-8

This degree plan is an officially approved plan by the Texas Higher Education Coordinating Board for students who wish to pursue a Bachelor of Science in Human Sciences or Bachelor of Science in Interdisciplinary Studies with a concentration in Child and Family Studies/Child Development to become a teacher in Texas. Receiving institutions are not required to accept a grade below "C" in transfer.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 61 credit hours as shown below;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Course Requirements for the AS Degree in Teacher Preparation	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and Speech 1311 or Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS (A grade of "C" or better required.) Math 1314 or Math 1414 or higher level	3-4
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408 and 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement cannot be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302; Psychology 2301	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301 or Music 1306 II. English 2326, 2327, 2328, 2331, 2332, or 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; or Religion 1304	9
INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
REQUIRED TEACHER PREPARATION FOR GRADE 4-8 CERTIFICATION FIELD OF STUDY COURSES <i>Select each of the following:</i> EDUC 1301; TECA 1354; Math 1350, 1351	12
ELECTIVE CREDITS <i>Select 1 additional hour or one* of the following:</i> CDEC 1359*; EDUC 1325*; GEOG 1301*; Any 3-4 hour Spanish course *Before taking one, student should ensure the course is the correct one as approved by the university where the student plans to transfer and count it in their Bachelor of Science with a major in one of the following disciplines: Mathematics, Science, Mathematics/Science Composite, Social Sciences/Language Arts Composite, or Interdisciplinary Studies (Generalist and Bilingual Generalists).	1-4
Total Credit Hours	61-65

Student's transcript will indicate the Field of Study has been completed upon successful completion of the following courses: EDUC 1301; TECA 1354; Math 1350 and 1351.

Emphasis Degrees

The college offers a number of “emphasis” degrees in specific majors. An “emphasis” degree is one designed by the college. It includes the college core curriculum required in all degrees plus courses within the student’s desired major. Students pursuing an “emphasis” degree should work closely with an advisor to ensure all courses will transfer and count toward the major at the selected institution to which the student plans to transfer. An “Articulated Emphasis” degree is one that will transfer to specified universities. As additional Emphasis Degrees are made available, information may be located on the college web page. The following Emphasis Degrees are currently available:

Associate In Arts Degree with an Emphasis In Art—Available at all DCCCD colleges.

Associate In Arts Degree with an Emphasis In Bilingual Teacher Preparation for Early Childhood Pre-K - Grade 4—Available at Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View and Richland Colleges. This degree is transferable to the University of North Texas (Dallas or Denton Campus).

Associate In Sciences Degree with an Emphasis In Bilingual Teacher Preparation for Early Childhood Pre-K - Grade 4—Available at Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View and Richland Colleges. This degree is transferable to the University of Texas at Arlington.

Associate In Sciences Degree with an Emphasis In Bilingual Teacher Preparation, Grade 4- 8—Available at Brookhaven, Eastfield, El Centro, Mountain View and Richland Colleges. This degree is transferable to the University of North Texas (Dallas or Denton Campus).

Associate In Arts Degree with an Emphasis In Early Childhood Education - Grade 4 Teacher Preparation—Available at Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View and Richland Colleges. This degree is transferable to the University of Texas at Arlington.

Associate In Sciences Degree with an Emphasis In Electrical Engineering—Available at Richland College in conjunction with the University of Texas at Dallas.

Associate In Arts Degree with an Emphasis In Humanities—Available at Brookhaven, Cedar Valley, Eastfield, Mountain View, North Lake and Richland Colleges.

Associate In Sciences Degree with an Emphasis In Mathematics—Available at all DCCCD colleges.

Associate In Arts Degree with an Emphasis In Peace Studies—Available at Richland College. This degree is transferable to the University of North Texas Political Science Department.

Associate In Arts Degree with an Emphasis In Photographic/Imaging—Available at Richland College.

Associate In Arts Degree with an Emphasis In Teacher Preparation—Teacher Preparation General Education—Available at Brookhaven, Eastfield and Richland Colleges

***Associate In Arts Degree with an Emphasis In Teacher Preparation—Urban Education
Available at El Centro and Richland Colleges. This degree is transferable to the University of Texas at Arlington and Texas Woman’s University.***

ASSOCIATE IN ARTS DEGREE WITH AN EMPHASIS IN ART

Available at all DCCCD Colleges

This is an "Emphasis" degree. Students should read and understand the paragraphs below.

Degree Code: AA.ARTS.ARTS

This degree plan is designed to meet the needs of students who plan to transfer to a four-year college/university with a major in Art. Students planning to continue their Art studies as a transfer student should check specific requirements at the transfer institution. This is a general plan and it may not satisfy all the requirements of a specific transfer four-year college/university. Students should work closely with an academic advisor/counselor.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 63 credit hours including all the required courses listed;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Course Requirements for the AA Degree Emphasis in Art	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or 1315 (a grade of "C" or better required)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one from the following:</i> Math 1314, 1324, 1332, 1333, 1348, 1414, 2342, 2412, 2442 or higher level	3
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement <i>cannot</i> be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each from the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1303, 1304 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9
INSTITUTIONAL OPTIONS <i>Select each from the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
ART EMPHASIS <i>Select three from the following:</i> ARTS 1311, 1312, 1316, 1317 <i>Select two from the following:</i> ARTS 1303, 1304, 1311, 1312, 1316, 1317, 2313, 2316, 2323, 2324, 2326, 2333, 2341, 2346, 2356 or 2366	15
Total Credit Hours	63

ASSOCIATE IN ARTS DEGREE IN BILINGUAL TEACHER PREPARATION FOR EARLY CHILDHOOD PRE-K - GRADE 4

Available at Brookhaven, Eastfield, Mountain View, and Richland Colleges
and Transferable to the University of North Texas (*Dallas or Denton Campus*)

Degree Code: AA.UNT.BIL.PREK-4

This is an "Articulated Emphasis" degree. Students should read and understand the paragraphs below.

This degree plan is designed to meet the needs of students who plan to major in Teacher Preparation, Bilingual, Pre-K - Grade 4 and who plan to transfer to UNT (*Dallas or Denton Campus*). Students who complete this plan, including all degree requirements and the additional hours as shown in the plan, and meet the admissions requirements of UNT (*Dallas or Denton Campus*) will be granted full junior status at UNT (*Dallas or Denton Campus*) to pursue a bachelor's degree in this discipline. Students **MUST** take the THEA (Texas Higher Education Assessment) test and score at least 240 on Reading, 220 on Writing, and 230 on Math in order to be accepted into this program at UNT.

This plan incorporates the DCCCD 48-hour core that will be accepted in full by UNT (*Dallas or Denton Campus*) for its own core and an additional 15-16 hours in order to receive the AA degree. Students completing this plan will also receive a notification on their transcript that they have completed the Texas Higher Coordinating Board's approved Field of Study in Teacher Preparation for Pre-K - Grade 4. This plan also includes an additional 18 hours beyond the AA degree and are approved by UNT to count toward the major.

In order to be eligible to receive this AA degree, a student must:

1. Complete a minimum of 63 credit hours indicated in this plan (*students are strongly encouraged to complete the additional 18 hours shown in this plan*);
2. Earn a grade of "C" or better in English 1301, Speech 1315, and Math 1314 or 1414;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements through the college awarding the degree.

Students who plan to transfer must work closely with an advisor.

Course Requirements for the AA Degree in Bilingual Teacher Preparation for Early Childhood Pre-K - Grade 4	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (A grade of "C" or better required), English 1302, Speech 1315 (A grade of "C" or better required.)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one from the following:</i> Math 1314 or Math 1414	3-4
LAB SCIENCES <i>Select each of the following:</i> Biology 1406 and 1407 or Biology 1408 and 1409	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302 Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351 Economics 1303, 2301, 2302, 2311 Psychology 2301, 2314, 2316 Sociology 1301, 1306, 2319	15

HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301; Drama 1310; Music 1306 II. English 2332 or 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9
INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
REQUIRED BILINGUAL TEACHER PREPARATION FOR EARLY CHILDHOOD PRE-K - GRADE 4 COURSES <i>Select each of the following:</i> TECA 1303 TECA 1311 or CDEC 1411 TECA 1318 TECA 1354 CDEC 1319	15-16
Total Credit Hours for this AA Degree	63-65

OTHER COURSES Following the completion of the degree, students are encouraged to complete all the following courses that are guaranteed to transfer into the University of North Texas' Teacher Preparation, Bilingual, Pre-K - Grade 4 program. <i>Select each of the following:</i> Math 1350 and 1351 (both must be taken in DCCCD) Geology 1401 Physics 1415 Biology 2406	18
Total Credit Hours Transferable to UNT for this Program	81-83

ASSOCIATE IN SCIENCES DEGREE WITH AN EMPHASIS IN BILINGUAL TEACHER PREPARATION FOR EARLY CHILDHOOD PRE-K - GRADE 4

Available at Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, and Richland Colleges
and Transferable to the University of Texas at Arlington

Degree Code: AS.UTA.BIL.PREK-4

This is an "Articulated Emphasis" degree. Students should read and understand the paragraphs below.

Students completing all courses in this plan will receive an AS degree and will be assured all courses with a grade of "C" or better will transfer into UTA's College of Education for a Bachelor of Arts Degree in Child Studies with teacher certification in Early Childhood - Grade 4/Bilingual. Students will be admitted into the program with a DCCCD GPA (2) of at least 2.75. Students **MUST** take the THEA (Texas Higher Education Assessment) test and score at least 270 on Reading, 220 on Writing, and 230 on Math in order to be accepted into this program at UTA.

This AS plan incorporates the core curriculum plus 18 hours toward the degree. The AS degree will be awarded when students complete all requirements at a minimum of 66 credit hours. Students are also permitted to acquire an additional 12-14 hours beyond the AS degree before transferring to UTA.

In order to be eligible to receive this AS degree, a student must:

1. Complete a minimum of 66 credit hours indicated in this plan (*students are strongly encouraged to complete the additional 12-14 hours shown in this plan*);
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Students who plan to transfer must work closely with an advisor.

Course Requirements for the AS Degree in Bilingual Teacher Preparation for Early Childhood Pre-K - Grade 4	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (A grade of "C" or better required), English 1302, and either Speech 1311 or 1315 (A grade of "C" or better required.)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one of the following:</i> Math 1314 or Math 1414	3-4
LAB SCIENCES <i>Select both of the following:</i> Biology 1408, 1409	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302; Psychology 2301	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the following:</i> <ol style="list-style-type: none"> I. Arts 1301 or Music 1306 II. English 2326, 2327, 2328, 2331, 2332, or 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; or Religion 1304 	9

INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
REQUIRED BILINGUAL TEACHER PREPARATION FOR EARLY CHILDHOOD PRE-K - GRADE 4 COURSES <i>Select each of the following:</i> EDUC 1301, 1325; CDEC 1359; EDTC 1321; MATH 1350, MATH 1351	18
Total Credit Hours for this AS Degree	66-67

OTHER COURSES Following the completion of the degree, students are encouraged to complete all the following courses which are guaranteed to transfer into the University of Texas at Arlington's BA Degree in Child Studies with teacher certification in Early Childhood - Grade 4/Bilingual program. <i>Select each of the following:</i> SPAN 2313, SPAN 2314; and any additional 6-8 hours in a course with the prefix of BIOL, CHEM, GEOL, or PHYS	12-14
Total Credit Hours Transferable to UTA for this Program	78-81

ASSOCIATE IN SCIENCES DEGREE IN BILINGUAL TEACHER PREPARATION, GRADES 4-8

Available at Brookhaven, Eastfield, Mountain View, and Richland Colleges
and Transferable to the University of North Texas (Dallas or Denton Campus)

Degree Code: AS.UNT.TCH.PRP.4-8

This is an "Articulated Emphasis" degree. Students should read and understand the paragraphs below.

This degree plan is designed to meet the needs of students who plan to major in Teacher Preparation, Bilingual, Grades 4-8 and who plan to transfer to UNT (Dallas or Denton Campus). Students who complete this plan, including all degree requirements and the additional hours as shown in the plan, and meet the admissions requirements of UNT (Dallas or Denton Campus) will be granted full junior status at UNT (Dallas or Denton Campus) to pursue a bachelor's degree in this discipline. Students **MUST** take the THEA (Texas Higher Education Assessment) test and score at least 240 on Reading, 220 on Writing, and 230 on Math in order to be accepted into this program at UNT.

This plan incorporates the DCCCD 48-hour core that will be accepted in full by UNT (Dallas or Denton Campus) for its own core and an additional 15 hours of degree requirements. The AS degree will be awarded when students complete all requirements at a minimum of 63 credit hours. This plan also includes an additional 18 hours beyond the AS degree and are approved by UNT to count toward the major. Students with Spanish-speaking abilities are encouraged to receive credit for the Spanish language courses through the appropriate CLEP examination.

In order to be eligible to receive this AS degree, a student must:

1. Complete a minimum of 63 credit hours indicated in this plan (*students are strongly encouraged to complete the additional 18 hours shown in this plan*);
2. Earn a grade of "C" or better in English 1301, Speech 1315, and Math 1314 or 1414;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements through the college awarding the degree.

Students who plan to transfer must work closely with an advisor.

Course Requirements for the AS Degree in Bilingual Teacher Preparation, Grades 4-8	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (A grade of "C" or better required), English 1302, Speech 1315 (A grade of "C" or better required.)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one from the following:</i> Math 1314 or Math 1414	3-4
LAB SCIENCES <i>Select each of the following:</i> Geology 1405 Physics 1415	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302 Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351 Economics 2301	15

HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> I. Arts 1301; Drama 1310; Music 1306 II. English 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304	9
INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
REQUIRED BILINGUAL TEACHER PREPARATION, GRADE 4-8 COURSES <i>Select each of the following:</i> MATH 1350 and 1351 (both must be taken at DCCCD) CDEC 1330 and 1359 EDUC 1325	15
Total Credit Hours for this AS Degree	63-64

OTHER COURSES Following the completion of the AS degree, students are encouraged to complete all the following courses which are guaranteed to transfer into the University of North Texas' Teacher Preparation, Bilingual, Grades 4-8 program. <i>Select each of the following:</i> SPAN 1411 and 1412 SPAN 2311 and 2312 BIOL 2406	18
Total Credit Hours Transferable to UNT for this Program	81-82

ASSOCIATE IN ARTS DEGREE EARLY CHILDHOOD EDUCATION - GRADE 4 TEACHER PREPARATION

Available at Brookhaven, Eastfield, Mountain View, and Richland Colleges
and Transferable to the University of Texas at Arlington

Degree Code: AA.UTA.TCH.PREP.GRD4

This is an "Articulated Emphasis" degree. Students should read and understand the paragraphs below.

Students completing all courses in this plan will receive an AA degree and will be assured all courses with a grade of "C" or better will transfer into UTA's College of Education for a Bachelor of Arts Degree in Child Studies with teacher certification in Early Childhood - Grade 4. Students will be admitted into the program with a DCCCD GPA (2) of at least 2.75. Students **MUST** take the THEA (Texas Higher Education Assessment) test and score at least 270 on Reading, 220 on Writing, and 230 on Math in order to be accepted into this program at UTA.

Students who do not wish to seek the aforementioned degree at UTA should not complete this AA degree. This AA plan incorporates the core curriculum plus 14 hours toward the degree. The AA degree will be awarded when students complete all requirements at a minimum of 63 credit hours. Students are also permitted to acquire an additional 14 hours beyond the AA degree before transferring to UTA.

In order to be eligible to receive this AA degree, a student must:

1. Complete a minimum of 63 credit hours indicated in this plan (*students are strongly encouraged to complete the additional 14 hours shown in this plan*);
2. Earn a grade of "C" or better in English 1301, Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Students who plan to transfer must work closely with an advisor.

Course Requirements for the AA Degree in Early Childhood - Grade 4 Teacher Preparation	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (A grade of "C" or better required), English 1302, and either Speech 1311 or 1315 (A grade of "C" or better required.)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one of the following:</i> Math 1314 or Math 1414	3-4
LAB SCIENCES <i>Select both of the following:</i> Biology 1408, 1409	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302; Psychology 2301	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the following:</i> <ol style="list-style-type: none"> I. Arts 1301 or Music 1306 II. English 2326, 2327, 2328, 2331, 2332, or 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; or Religion 1304 	9

INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
REQUIRED EARLY CHILDHOOD EDUCATION - GRADE 4 TEACHER PREPARATION COURSES <i>Select each of the following:</i> TECA 1303, 1311, 1318; EDUC 2301 AND 1325	15
Total Credit Hours for this AA Degree	63-64

OTHER COURSES Following the completion of the degree, students are encouraged to complete all the following courses which are guaranteed to transfer into the University of Texas at Arlington's BA Degree in Child Studies with teacher certification in Early Childhood - Grade 4 program. <i>Select each of the following:</i> Spanish 1411, 1412, 2313 and 2314	14
Total Credit Hours Transferable to UTA for this Program	77-78

ASSOCIATE IN ARTS DEGREE WITH AN EMPHASIS IN HUMANITIES

Available at Brookhaven, Cedar Valley, Eastfield, Mountain View, North Lake and Richland Colleges

This is an "Emphasis" degree. Students should read and understand the paragraphs below.

Degree Code: AA.Humanities

This plan is designed to meet the needs of students who plan to transfer to a four-year college/university with a major in Humanities. Students planning to continue their Humanities studies as transfer students should check specific requirements at the transfer institution. This is a general plan and it may not satisfy all the requirements of a specific transfer institution. Students should work closely with an academic advisor/counselor.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 63 credit hours including all the required courses listed;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

This degree may be taken through a combination of on-campus and distance education offerings, or if planned correctly, the degree may be completed entirely through distance education. Receiving institutions are not required to accept a grade below "C" in transfer. *Students who plan to transfer must work closely with an advisor.*

Course Requirements for the AA Degree Emphasis in Humanities	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and either Speech 1311 or Speech 1315 (a grade of "C" or better required)	9
MATHEMATICS (A grade of "C" or better required.) <i>Select one from the following:</i> Math 1314, 1324, 1332, 1333, 1348, 1414, 2342, 2412, 2442 or higher level	3
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement <i>cannot</i> be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each from the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Psychology 2301, 2314, 2316	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select each of the following:</i> Humanities 1301 Cultural Studies 2370 <i>Select one of the following:</i> English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333	9
INSTITUTIONAL OPTIONS <i>Select each from the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
HUMANITIES EMPHASIS <i>Select each of the following:</i> Humanities 1302 Religion 1304 <i>Select one course from each of the three groupings:</i> I. Philosophy 1301 or 2303 II. Anthropology 2346 or 2351 III. Sociology 1301, 1306, or 2319	15
Total Credit Hours	63

ASSOCIATE IN SCIENCES DEGREE WITH AN EMPHASIS IN MATHEMATICS

Available at all DCCCD Colleges

This is an "Emphasis" degree. Students should read and understand the paragraphs below.

Degree Code: AS.MATH

This degree plan is designed to meet the needs of students who plan to transfer to a four-year college/university with a major in mathematics. Students planning to continue their mathematics studies as a transfer student should check specific requirements at the transfer institution. This is a general plan and may not satisfy all the requirements of a specific transfer four-year college/university. Students should work closely with an academic advisor/counselor.

In order to be eligible to receive this degree, a student must:

1. Complete a minimum of 61 credit hours including all the required courses listed;
2. Earn a grade of "C" or better in English 1301, either Speech 1311 or Speech 1315, and the selected college-level mathematics course;
3. Receive a GPA (2) of at least 2.00 ("C");
4. Meet all Texas Success Initiative (TSI) standards and course prerequisites; and
5. Complete 25% of the degree requirements at the college awarding the degree.

Course Requirements for the AS Degree Emphasis in Mathematics	Credit Hours
COMMUNICATIONS <i>Select each of the following:</i> English 1301 (a grade of "C" or better required), English 1302, and Speech 1311 (a grade of "C" or better required)	9
LAB SCIENCES <i>Select two from the following:</i> Biology 1406, 1407, 1408, 1409; Chemistry 1405, 1407, 1411, 1412; Geology 1401, 1403, 1404, 1445; Physics 1401, 1402, 1405, 1407, 1411, 1412, 1415, 1417, 2425, 2426 NOTE: This requirement cannot be met by using the following combinations: BIOL 1406 and 1408; CHEM 1405 and 1411; PHYS 1401 and 1405; PHYS 1401 and 2425; PHYS 1405 and 2425.	8
SOCIAL/BEHAVIORAL SCIENCES <i>Select each of the following:</i> History 1301, 1302; Government 2301, 2302 <i>Select one from the following:</i> Anthropology 2346, 2351; Economics 1303, 2301, 2302, 2311; Psychology 2301, 2314, 2316; Sociology 1301, 1306, 2319	15
HUMANITIES/VISUAL AND PERFORMING ARTS <i>Select one from each of the three groupings:</i> <ol style="list-style-type: none"> I. Arts 1301, 1303, 1304; Dance 2303; Drama 1310, 2366; Humanities 1301; Music 1306, 1308, 1309 II. English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333 III. Cultural Studies 2370; History 2321, 2322, 2380, 2381; Philosophy 1301, 2306, 2307, 2316, 2317; Religion 1304 	9
INSTITUTIONAL OPTIONS <i>Select each of the following:</i> Physical Education 1164 and Computer Science 1300 or higher level COSC course	4
MATHEMATICS EMPHASIS Students should select no less than 16 hours from the following courses. The lowest level course in the math sequence will be used to meet the core curriculum mathematics requirement; a grade of "C" or better required in the lowest level math course. Math 1314 or 1414; Math 1316; Math 1348 or Math 2412; Math 2513, Math 2414, Math 2315; Math 2318 or Math 2418; Math 2320 or Math 2420; Math 2305	16-20
Total Credit Hours	61-65

DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

2004-2005/2005-2006 Technical/Occupational Programs Offered On Our Campuses

BH - Brookhaven College CV - Cedar Valley College EF - Eastfield College EC - El Centro College
MV - Mountain View College NL - North Lake College RL - Richland College

Career Educational Programs	BH	CV	EF	EC	MV	NL	RL
Accounting AAS	•	•	•	•	•	•	•
Accounting Technician Enhanced Skills Certificate	•	•	•	•	•	•	•
Accounting Assistant Certificate	•	•	•	•	•	•	•
Accounting Clerk Certificate	•	•	•	•	•	•	•
Air Conditioning & Refrigeration – Residential AAS	•	•			•		
Profit Center Manager Enhanced Skills Certificate		•					
Residential Technician I Certificate		•	•		•		
Technician III Certificate (Level I)		•	•		•		
Technician III Certificate (Level II)		•	•				
Air Conditioning and Refrigeration Technology AAS			•				
Associate Degree Nursing AAS				•			
Perioperative Nursing Enhanced Skills Cert.				•			
Auto Body Technology AAS			•				
Auto Body Metal Technician Certificate			•				
Auto Body Painter Certificate			•				
Auto Body Shop Management Certificate			•				
Auto Body Technology Certificate			•				
Automotive Technology	•	•	•				
Dealership-Sponsored Technician AAS	•						
Service Technician AAS	•	•	•				
Chassis Service Technician Certificate	•	•	•				
Electronics and Climate Controls Technician Cert.	•	•	•				
Engine Repair and Performance Technician Cert.	•	•	•				
Transmission Service Technician Certificate	•	•	•				
Automotive Technology/Diesel & Heavy Equipment			•				
Construction Equipment AAS			•				
Heavy Truck AAS			•				
Construction Equipment Technician Certificate			•				
Diesel Engine Fuel Systems Technician Certificate			•				
Heavy Truck Technician Certificate			•				
Preventive Maintenance Technician Certificate	•	•					
Aviation Technology					•		
Aircraft Dispatcher AAS					•		
Aircraft Dispatcher Certificate					•		
Airport Management AAS					•		
Professional Pilot Option AAS					•		
Biotechnology AAS				•	•		
Biotechnology Certificate				•	•		
Business Administration AAS	•	•	•	•	•	•	•
Human Resources Assistant Certificate		•	•		•	•	•
Business Trainee I Skills Achievement Award	•						
Business Trainee II Skills Achievement Award	•						
Business Trainee III Skills Achievement Award	•						

Career Educational Programs	BH	CV	EF	EC	MV	NL	RL
Child Development AAS	•	•					
Administrator Enhanced Skills Certificate	•	•					
Administrative Certificate	•	•					
Child Development Assoc. Skills Ach. Award	•	•					
Intervention Specialist Certificate	•	•					
Early Childhood Training Certificate	•	•					
Infant-Toddler Certificate	•	•					
Pre-K - Grade 4 Skills Achievement Award	•	•					
School-Age Caregiver Certificate	•	•					
Special Child Skills Achievement Award	•	•					
Commercial Music		•					
Arranger/Composer/Copyist AAS		•					
Music Retailing AAS		•					
Music Retailing Certificate		•					
Performing Musician AAS		•					
Performing Musician Certificate		•					
Recording Technology AAS		•					
Recording Technology One-Year Certificate		•					
Recording Technology Two-Year Certificate		•					
Computer-Aided Design and Drafting AAS			•		•		
Architectural Drafting Certificate			•		•		
Computer-Aided Design & Drafting Enh. Sk. Cert.			•		•		
Computer-Aided Design Operator Certificate			•		•		
Computer-Aided Design Advanced Operator Cert.			•		•		
Integrated Circuit Design AAS			•				
Integrated Circuit Design Certificate			•				
Computer Graphics AAS		•				•	
Computer Graphics Certificate		•				•	
Computer Graphics Specialist Certificate		•				•	
Computer Information Technology	•	•	•	•	•	•	•
Cisco Networking Asst. Skills Achievement Award				•		•	
Cisco Networking Intern Skills Achievement Awd.				•		•	•
Client Server Programming & Administration Cert.			•				
C Programming Skills Achievement Award	•						
DBA Certificate				•		•	•
Help Desk/User Support Technician Certificate	•	•	•	•	•	•	•
Information Security Certificate		•	•	•	•	•	•
Information Security Skills Achievement Award	•						
Info. Tech. Sup. Spec. I Market. Skills Ach. Award				•			
Info. Tech. Sup. Spec. II Market. Skills Ach. Award				•			

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DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

2004-2005/2005-2006 Technical/Occupational Programs Offered On Our Campuses

BH - Brookhaven College CV - Cedar Valley College EF - Eastfield College EC - El Centro College
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Career Educational Programs	BH	CV	EF	EC	MV	NL	RL
Midrange Specialist AAS				•			
Midrange Assistant Certificate				•			
Midrange Tech Support Certificate				•			
Netplus Preparation Certificate			•				
Network Administration AAS			•				
Network Administrator and Support AAS	•	•	•	•	•	•	•
Network Operation Center Technician Certificate		•					
Networking Associate Certificate			•	•	•	•	•
Networking Professional Certificate			•	•	•	•	•
Networking Support Certificate	•	•	•	•	•	•	•
Oracle Associate Skills Achievement Award			•	•	•	•	•
Oracle Professional Skills Achievement Award			•	•	•	•	•
Personal Computer Support AAS	•	•	•	•	•	•	•
Personal Computer Specialist Certificate	•	•	•	•	•	•	•
Personal Computer Technician Certificate	•	•	•	•	•	•	•
Personal Computer User Certificate	•	•	•	•	•	•	•
Personal Computer Technology Skills Ach. Award	•						
Software Programmer/Developer AAS	•	•	•	•	•	•	•
Software Programmer/Developer Assistant Cert.	•	•	•	•	•	•	•
Software Programmer/Developer Associate Cert.						•	
SQL Server Certificate		•	•	•	•	•	•
UNIX AAS	•				•	•	
UNIX System Administrator AAS						•	
UNIX Administrator Certificate	•				•	•	
UNIX System Administrator Certificate						•	
UNIX Skills Achievement Award	•						
Visual Basic Programming Skills Ach. Award	•						
Visual Studio Developer Certificate		•	•	•	•	•	•
Web Developer Specialist Certificate	•	•	•	•	•	•	•
Web Production and Design AAS			•		•		
Basic Web Production Certificate			•		•		
Web Production and Design Certificate			•		•		
Construction Management and Technology AAS					•		
Construction Technology AAS					•		
Construction Technology Certificate					•		
Criminal Justice AAS	•	•		•			
Human Services Enhanced Skills Certificate		•		•			
Law Enforcement Enhanced Skills Certificate	•	•		•			
Basic Criminal Justice Certificate	•	•		•			
Criminal Justice Certificate (46 hours)	•	•		•			
Criminal Justice Certificate (30 hours)	•	•		•			
Diagnostic Medical Sonography AAS				•			
Diagnostic Medical Sonography Adv. Tech. Cert.				•			

Career Educational Programs	BH	CV	EF	EC	MV	NL	RL
Diesel Truck and Heavy Equipment AAS			•				
Diesel Truck & Heavy Equipment Technician Cert.			•				
Preventive Maintenance Technician Certificate			•				
Digital Imaging Technology AAS			•				
Digital Photography Certificate			•				
Electronic Pre-Press Certificate			•				
Echocardiology Technology AAS				•			
Echocardiology Technology Advanced Tech. Cert.				•			
Educational Personnel AAS				•		•	
Bilingual/ESL AAS				•		•	
Educational Assistant Certificate				•		•	
Electrical Technology AAS					•		
Electrical Construction AAS					•		
Electrical Construction Certificate					•		
Electrical Technology Certificate					•		
Electronic Commerce AAS	•	•	•	•	•	•	•
Business Specialist Certificate	•	•	•	•	•	•	•
Technology Specialist Certificate	•	•	•	•	•	•	•
Electronic Telecommunications AAS			•				
Audio Visual Certificate					•		
Telephony Supervisor Enhanced Skills Certificate			•				
Convergence Technology AAS					•		
Convergence Technology Certificate					•		
Technical Platform Certificate (16 hours)					•		
Electronic Telecommunications Certificate			•				
Technical Platform Certificate (16 hours)			•				
Wireless Communications Technology Certificate			•				
Electronics/Computer Technology AAS			•				
Computer Technology Enhanced Skills Certificate			•				
Telecommunications Enhanced Skills Certificate			•				
Basic Electronics Technology Certificate			•				
Semiconductor Manufacturing Technology AAS			•				
Electronics Technology AAS					•	•	
Automated Manufacturing Enhanced Skills Cert.					•	•	
Computer Maintenance Enhanced Skills Cert.					•	•	
Networking Specialist Certificate					•		
Semiconductor Manufacturing Technology AAS					•	•	
Technical Platform Certificate					•		
Emergency Medical Services	•						
Paramedicine AAS	•						
Paramedicine Certificate	•						
Emergency Medical Technician Basic Certificate	•						

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BH - Brookhaven College CV - Cedar Valley College EF - Eastfield College EC - El Centro College
MV - Mountain View College NL - North Lake College RL - Richland College

Career Educational Programs	BH	CV	EF	EC	MV	NL	RL
Interpreter Training Program AAS			•				
Deaf Studies Certificate			•				
Invasive Cardiovascular Technology AAS				•			
Invasive Cardiovascular Tech. Adv. Tech. Cert.				•			
Logistics Technology AAS	•					•	
Logistics Technnology Certificate						•	
Management AAS	•	•	•	•	•	•	•
Management Certificate	•	•	•	•	•	•	•
Supervisor Certificate		•	•		•	•	•
Leadership Marketable Skills Achievement Award		•					
Marketing Careers	•	•					
Business Marketing AAS	•	•					
<i>Department Manager Enhanced Skills Certificate</i>	•	•					
Call Center Specialist Skills Achievement Award	•						
Customer Service Representative Certificate	•	•					
Retail/Wholesale Business Specialist Certificate	•	•					
Sales Marketing Associate Certificate	•	•					
Fashion Marketing AAS	•						
<i>Department Manager Enhanced Skills Certificate</i>	•						
Visual Merchandising Assistant Certificate	•						
Medical Assisting Certificate				•	•		
Medical Laboratory Technology AAS				•			
Medical Staff Services AAS				•			
Medical Transcription Certificate				•			
Mortgage Banking AAS						•	
Designate Certificate						•	
Intern Skills Achievement Award						•	
Multimedia Technology							•
Multimedia Web Design AAS							•
Internet Communications Level I Certificate							•
Internet Communications Level II Certificate							•
Multimedia Developer Level I Certificate							•
Multimedia Developer Level II Certificate							•
Visual Design Level I Certificate							•
Visual Design Level II Certificate							•
Office Technology	•	•	•	•	•	•	•
Administrative Support Certificate	•	•	•	•	•	•	•
Executive Assistant AAS	•	•	•	•	•	•	•
Executive Assist.-Tech Prep Navy Yeoman AAS	•		•	•	•	•	•
Office Assistant Certificate	•	•	•	•	•	•	•
Software Application Specialist Certificate	•	•	•	•	•	•	•
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BH - Brookhaven College CV - Cedar Valley College EF - Eastfield College EC - El Centro College
MV - Mountain View College NL - North Lake College RL - Richland College

[illegible]

ACCOUNTING

Effective September 1, 2003, this award has been deactivated for Eastfield College. For current students, the award will be closed on or before September 1, 2006. New students should not attempt to pursue this award.

Offered at Brookhaven, Cedar Valley, Eastfield (see above), El Centro, Mountain View, North Lake and Richland

(Associate in Applied Sciences Degree, Tech Prep Enhanced Skills Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.ACCT.03

This degree is designed to prepare students for various career opportunities in accounting. Students may specialize in the areas of financial, managerial, cost, tax, and/or small business accounting. Emphasis is placed on internal accounting procedures and generally accepted accounting principles. This program is intended to provide a foundation on which the graduate can build an accounting career through expanded experience and/or further education.

CREDIT HOURS

SEMESTER I

+ACCT 2301	Principles of Accounting I OR	3
+ACCT 2401	Principles of Accounting I	(4)
ACNT 1311	Introduction to Computerized Accounting	3
++POFT 1325	Business Math and Machine Applications	3
++POFI 2301	Word Processing	3
Elective ¹	Business/Technical	3-4
		15-17

SEMESTER II

ACCT 2302	Principles of Accounting II OR	3
ACCT 2402	Principles of Accounting II	(4)
ACNT 1313	Computerized Accounting Applications	3
ENGL 1301	Composition I	3
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking	(3)
Elective ¹	Business/Technical	3-4
		15-17

SEMESTER III

ECON 2301	Principles of Economics I	3
+++MATH 1324	Mathematics for Business and Economics I	3
Elective ¹	Business/Technical	3-4
Elective ²	Accounting Specialty	3
Elective ³	Social/Behavioral Science	3
		15-16

SEMESTER IV

ECON 2302	Principles of Economics II	3
ENGL 1302	Composition II	3
Elective ¹	Business/Technical	3-4
Elective ²	Accounting Specialty	3
Elective ⁴	Humanities/Fine Arts	3
		15-16

Minimum Hours Required 60-66

Upon completion of Semester I courses, the Accounting Clerk Certificate will be conferred.

Upon completion of Semester I and Semester II courses, the Accounting Assistant Certificate will be conferred.

Upon completion of Semester I through Semester IV courses, the Associate in Applied Sciences Degree in Accounting will be conferred.

+ACNT 1303 is recommended prior to ACCT 2301 or ACCT 2401 for a student with no accounting background. ACNT 1303 and ACNT 1304 are included in the Elective1 (Business/Technical) list in this program.

++Any student demonstrating proficiency by previous training, experience, or placement tests may substitute a course from the Elective1 (Business/Technical) list.

+++Any three-credit mathematics courses assigned the MATH rubric may be substituted except students cannot take MATH 1371, MATH 1372, MATH 1373, MATH 1374, or MATH 1375.

Elective1—The Business/Technical elective may be selected from the following fields/courses:

Accounting (ACNT, ACCT), Business (BUSG, BUSI), any computer course (ITCC, ITMC, ITSC, ITSE, ITNW, ITSW, INEW, COSC), ECON 1303, ENGL 2311, Management (HRPO, BMGT), Marketing (MRKG), Mathematics (MATH), Office Technology (POFI, POFT). The practicum courses (ACNT 1366 and ACNT 2366) are recommended for students employed in a general business area. The cooperative education courses (ACNT 1380 and ACNT 2380) are recommended for students employed in the accounting area.

Elective²—The Accounting Specialty elective must be selected from the following accounting courses:

ACNT 1329	Payroll and Business Tax Accounting	3
ACNT 1331	Federal Income Tax: Individual	3
ACNT 1380	Cooperative Education-Accounting	3
ACNT 1391	Special Topics in Accounting	3
ACNT 2303	Intermediate Accounting I	3
ACNT 2304	Intermediate Accounting II	3
ACNT 2309	Cost Accounting	3
ACNT 2311	Managerial Accounting	3
ACNT 2380	Cooperative Education-Accounting	3

Elective³—The Social/Behavioral Science elective must be selected from the DCCCD Core Curriculum for Social/Behavioral Sciences.

Elective⁴—The Humanities/Fine Arts elective must be selected from the DCCCD Core Curriculum for Humanities/Fine Arts.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

TECH PREP ENHANCED SKILLS CERTIFICATE

This Enhanced Skills Certificate is attached to the Associate in Applied Sciences Degree in Accounting and provides the student advanced skills required by the industry to specialize in Accounting Technician.

ACCOUNTING TECHNICIAN

Effective September 1, 2003, this award has been deactivated for Eastfield College. For current students, the award will be closed on or before September 1, 2006. Effective January 1, 2004, this award has been deactivated for North Lake College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

Offered at Brookhaven, Cedar Valley, Eastfield (see above), El Centro, Mountain View, North Lake (see above) and Richland

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: ES.ACCT.TECH.04

	CREDIT HOURS
SEMESTER I	
ACNT XXXX	3
ACNT XXXX	3
	6

Minimum Hours Required6

Select two courses not previously taken in the Associate in Applied Sciences Degree in Accounting from the following Accounting Specialty Courses:

ACNT 1329	Payroll and Business Tax Accounting	3
ACNT 1331	Federal Income Tax: Individual	3
ACNT 1380	Cooperative Education-Accounting	3
ACNT 1391	Special Topics in Accounting	3
ACNT 2303	Intermediate Accounting I	3
ACNT 2304	Intermediate Accounting II	3
ACNT 2309	Cost Accounting	3
ACNT 2311	Managerial Accounting	3
ACNT 2380	Cooperative Education-Accounting	3

This is a Tech Prep Program. Students interested in pursuing this Tech Prep Enhanced Skills Certificate should consult their advisor.

ACCOUNTING ASSISTANT

Effective September 1, 2003, this award has been deactivated for Eastfield College. For current students, the award will be closed on or before September 1, 2006.

New students should not attempt to pursue this award.

Offered at Brookhaven, Cedar Valley, Eastfield (see above), El Centro, Mountain View, North Lake and Richland

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- **Students must complete 25% of the degree requirements at the college awarding the degree.**

Degree Plan Code: C1.ACCT.ASSIST.03

The program is designed to provide the student with an expanded knowledge of basic accounting and business principles while emphasizing the development of communication and human relations skills necessary for advancement in accounting or other business-related careers. The courses required for this certificate are applicable to the Associate in Applied Sciences Degree in Accounting.

CREDIT HOURS

SEMESTER I

+ACCT 2301	Principles of Accounting I OR	3
+ACCT 2401	Principles of Accounting I	4
ACNT 1311	Introduction to Computerized Accounting	3
++POFT 1325	Business Math and Machine Applications	3
++POFI 2301	Word Processing	3
Elective ¹	Business/Technical	3-4
		15-17

+ACNT 1303 is recommended prior to ACCT 2301 or ACCT 2401 for a student with no accounting background. ACNT 1303 and ACNT 1304 are included in the Elective¹ (Business/Technical) list in this program.

SEMESTER II

ACCT 2302	Principles of Accounting II OR	3
ACCT 2402	Principles of Accounting II	4
ACNT 1313	Computerized Accounting Applications	3
ENGL 1301	Composition I	3
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking	3
Elective ¹	Business/Technical	3-4
		15-17

++Any student demonstrating proficiency by previous training, experience, or placement tests may substitute a course from the Elective¹ (Business/ Technical) list.

Elective¹—The Business/Technical elective may be selected from the following fields/courses:

Accounting (ACNT, ACCT), Business (BUSG, BUSI), any computer course (ITCC, ITMC, ITSC, ITSE, ITNW, ITSW, INEW, COSC), ECON 1303, ENGL 2311, Management (HRPO, BMGT), Marketing (MRKG), Mathematics (MATH), Office Technology (POFI, POFT). The practicum courses (ACNT 1366 and ACNT 2366) are recommended for students employed in a general business area. The cooperative education courses (ACNT 1380 and ACNT 2380) are recommended for students employed in the accounting area.

Minimum Hours Required30-34

ACCOUNTING CLERK

Effective September 1, 2003, this award has been deactivated for Eastfield College. For current students, the award will be closed on or before September 1, 2006.

New students should not attempt to pursue this award.

Offered at Brookhaven, Cedar Valley, Eastfield (see above), El Centro, Mountain View, North Lake and Richland

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.ACCT.CLERK.03

This program is designed to provide the student with the skills necessary to obtain entry-level employment in accounting. Emphasis is on the development of basic accounting, spreadsheet, word processing, and ten-key skills. The courses required for the certificate are applicable to the Accounting Assistant Certificate and the Associate in Applied Sciences Degree in Accounting.

CREDIT HOURS

SEMESTER I

+ACCT 2301	Principles of Accounting I OR	.....3
+ACCT 2401	Principles of Accounting I	.....(4)
ACNT 1311	Introduction to Computerized Accounting	.....3
++POFT 1325	Business Math and Machine Applications	.....3
++POFI 2301	Word Processing	.....3
Elective ¹	Business/Technical	.....3-4
		15-17

Minimum Hours Required15-17

+ACNT 1303 is recommended prior to ACCT 2301 or ACCT 2401 for a student with no accounting background. ACNT 1303 and ACNT 1304 are included in the Elective¹ (Business/Technical) list in this program.

++Any student demonstrating proficiency by previous training, experience, or placement tests may substitute a course from the Elective¹ (Business/ Technical) list.

Elective¹—The Business/Technical elective must be selected from the following fields/courses:

Accounting (ACNT, ACCT), Business (BUSG, BUSI), any computer course (ITCC, ITMC, ITSC, ITSE, ITNW, ITSW, INEW, COSC), ECON 1303, ENGL 2311, Management (HRPO, BMGT), Marketing (MRKG), Mathematics (MATH), Office Technology (POFI, POFT). The practicum courses (ACNT 1366 and ACNT 2366) are recommended for students employed in a general business area. The cooperative education courses (ACNT 1380 and ACNT 2380) are recommended for students employed in the accounting area.

AVIATION TECHNOLOGY — PROFESSIONAL PILOT

CREDIT
HOURS

Mountain View only

Because of the varied and interrelated aviation career options available, Mountain View's Aviation Technology Program is designed to allow students to take a group of core courses which includes selected aviation, business, English, mathematics and human relations courses and then proceed with specialized courses in the specific career option they wish to enter.

The Associate in Applied Sciences Degree options are (1) Professional Pilot; (2) Aircraft Dispatcher; and (3) Airport Management. A one-year certificate program is available in Aircraft Dispatcher.

AVIATION TECHNOLOGY — PROFESSIONAL PILOT OPTION

Mountain View only

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.AVIA.PILOT.04

The Professional Pilot Option provides students with flight training and ground school through the flight instructor certificate. All ground school instruction and flight training conform to Part 61 and 141 of the Federal Aviation Administration Regulations. Prior to admission to the program, registration and payment of fees, consultation with and approval by an Aviation Technology instructor is necessary. Simulator fees, flight fees and fees for pre- and post-flight briefings are in addition to the regular tuition charge.

Students completing this option may find employment opportunities as an airline pilot, corporate pilot, flight engineer, flight instructor and other general aviation positions. It is recommended that students in the Professional Pilot Option schedule flight training during the summer months in addition to the Spring and Fall semesters to aid in completing the program within a two year period.

Graduation requirements—Students in the Professional Pilot Option must successfully complete all required courses in the Professional Pilot curriculum. They must also complete all educational requirements imposed by the State of Texas. In addition, they must obtain the Private, Commercial (with the Instrument Rating), and Flight Instructor Certificates from the FAA.

SEMESTER I

AIRP 1313	Introduction to Aviation	3
AIRP 1317	Private Pilot Ground School	3
AIRP 1301	Air Navigation	3
AIRP 1215	Private Flight	2
AIRP 1311	Flight Theory	3
MATH 1314	College Algebra OR	3
MATH 1414	College Algebra	(4)
		17-18

SEMESTER II

AIRP 1347	Human Factors in Aviation	3
AIRP 1343	Aerodynamics	3
AIRP 1351	Instrument Ground School	3
AIRP 1307	Aviation Meteorology	3
AIRP 1255	Intermediate Flight	2
ENGL 1301	Composition I	3
		17

SEMESTER III

AIRP 2337	Commercial Ground School	3
AIRP 2250	Instrument Flight	2
AIRP 2355	Propulsion Systems	3
ITSC 1401	Introduction to Computers OR	4
COSC 1401	Microcomputer Concepts and Applications OR	(4)
BCIS 1405	Business Computer Applications	(4)
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking	(3)
PSYC 2301	Introduction to Psychology	3
		18

SEMESTER IV

AIRP 2239	Commercial Flight	2
AIRP 2333	Aircraft Systems	3
AVIM 2335	Airport Management	3
AIRP 2349	Instructor Ground School	3
AIRP 2236	Certified Flight Instructor-Airplane	2
AVIM 2337	Aviation Law	3
+Elective	Humanities/Fine Arts	3
		19

Minimum Hours Required 71-72

+Humanities/Fine Arts course: Any three-credit course from the Humanities/Fine Arts DCCCD CORE.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

AVIATION TECHNOLOGY — AIRCRAFT DISPATCHER

Mountain View only

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.AVIA.DSPATCH.04

The job performed by an aircraft dispatcher is an integral part of the overall flight operations for airlines. An individual in this position works in conjunction with an airline pilot and is responsible for regulation compliance, weather and loading procedures prior to take-off. In the Aircraft Dispatcher Program students may earn a certificate after approximately one year or choose to complete the Associate in Applied Sciences Degree.

Entry into either program will be in accordance with Federal Aviation Administration regulations and with instructor approval. Upon completion of the courses in the desired program, students may be recommended to apply to take the FAA knowledge examination for Aircraft Dispatcher and the practical examination for Aircraft Dispatcher.

Graduation requirements—Students in the Aircraft Dispatcher Option must successfully complete all required courses in the Aircraft Dispatcher curriculum. They must also complete all educational requirements imposed by the State of Texas. In addition, they must obtain the Aircraft Dispatcher Certificate from the FAA.

	CREDIT HOURS
SEMESTER I	
AIRP 1313 Introduction to Aviation	3
AIRP 1317 Private Pilot Ground School	3
AIRP 1311 Flight Theory	3
ITSC 1401 Introduction to Computers OR	4
COSC 1401 Microcomputer Concepts and Applications OR	(4)
BCIS 1405 Business Computer Applications ..	(4)
MATH 1314 College Algebra OR	3
MATH 1414 College Algebra	(4)
	16-17
SEMESTER II	
SPCH 1311 Introduction to Speech Communication OR	3
SPCH 1315 Fundamentals of Public Speaking ..(3)	
AIRP 1351 Instrument Ground School	3
AIRP 1307 Aviation Meteorology	3
BUSI 1301 Introduction to Business	3
ENGL 1301 Composition I	3
	15

SEMESTER III

AIRP 2337 Commercial Ground School	3
AIRP 2355 Propulsion Systems	3
AIRP 2352 Practical Dispatching I	3
AIRP 2333 Aircraft Systems	3
PSYC 2301 Introduction to Psychology	3
	15

SEMESTER IV

AIRP 1347 Human Factors in Aviation	3
AIRP 2353 Practical Dispatching II	3
BMGT 1303 Principles of Management	3
AVIM 2337 Aviation Law	3
+Elective Humanities/Fine Arts	3
	15

Minimum Hours Required61-62

+Humanities/Fine Arts course: Any three-credit course from the Humanities/Fine Arts DCCCD CORE.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

AVIATION TECHNOLOGY — AIRCRAFT DISPATCHER

Mountain View only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: CERT.AVIA.DISPATCHER

The job performed by an aircraft dispatcher is an integral part of the overall flight operations for airlines. An individual in this position works in conjunction with an airline pilot and is responsible for regulation compliance, weather and loading procedures prior to take-off. In the Aircraft Dispatcher Program students may earn a certificate after approximately one year or choose to complete the Associate in Applied Sciences Degree.

Entry into either program will be in accordance with Federal Aviation Administration regulations and with instructor approval. Upon completion of the courses in the desired program, students may be recommended to apply to take the FAA knowledge examination for aircraft dispatcher and the FAA Practical Examination.

CREDIT
HOURS

SEMESTER I

AIRP 1313	Introduction to Aviation	3
AIRP 1317	Private Pilot Ground School	3
AIRP 1311	Flight Theory	3
AIRP 1351	Instrument Ground School	3
AIRP 1307	Aviation Meteorology	3
AIRP 2352	Practical Dispatching I	3
		18

SEMESTER II

AVIM 2337	Aviation Law	3
AIRP 2355	Propulsion Systems	3
AIRP 2333	Aircraft Systems	3
AIRP 2337	Commercial Ground School	3
AIRP 2353	Practical Dispatching II	3
		15

Minimum Hours Required33

Completion Requirements—Students in the Aircraft Dispatcher Option must successfully complete all required courses in the Aircraft Dispatcher curriculum. They must also complete all educational requirements imposed by the State of Texas. In addition, they must obtain the Aircraft Dispatcher Certificate from the FAA.

AVIATION TECHNOLOGY — AIRPORT MANAGEMENT

Mountain View only

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.AIRP.MGMT.04

This option provides students with a general administrative overview combining aviation and business courses stressing terminology, management techniques and functions as they apply to the aviation industry. Students completing this program may qualify for support or training positions in airport management, as staff members to operations superintendents or aviation authority boards. Positions with fixed base operators such as aircraft dealers may include equipment and aircraft sales and service.

CREDIT
HOURS

SEMESTER I

AIRP 1313	Introduction to Aviation	3
AIRP 1317	Private Pilot Ground School	3
AIRP 1311	Flight Theory	3
ITSC 1401	Introduction to Computers OR	4
COSC 1401	Microcomputer Concepts and Applications OR	(4)
BCIS 1405	Business Computer Applications	(4)
BUSI 1301	Introduction to Business	3
MATH 1314	College Algebra OR	3
MATH 1414	College Algebra	(4)
		19-20

SEMESTER II

SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking	(3)
BMGT 1303	Principles of Management	3
ENGL 1301	Composition I	3
AIRP 1307	Aviation Meteorology	3
ACCT 2301	Principles of Accounting I OR	3
ACCT 2401	Principles of Accounting I	(4)
		15-16

SEMESTER III

AVIM 2331	Airline Management	3
AVIM 2339	Aviation Marketing	3
ACCT 2302	Principles of Accounting II OR	3
ACCT 2402	Principles of Accounting II	(4)
ECON 2301	Principles of Economics I	3
AVIM 2337	Aviation Law	3
		15-16

(continued on next page)

SEMESTER IV

AVIM 2335	Airport Management	3
ECON 2302	Principles of Economics II	3
BUSI 2301	Business Law	3
PSYC 2301	Introduction to Psychology	3
+Elective	Humanities/Fine Arts	3
		15

Minimum Hours Required64-67

+Humanities/Fine Arts course: Any three-credit course from the Humanities/Fine Arts DCCCD CORE.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

BIOTECHNOLOGY

El Centro and Mountain View only

(Associate in Applied Sciences Degree)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.BIOTECH.03

The El Centro and Mountain View College Biotechnology program offers individuals the choice of a Level I Certificate or a two-year Associate Degree program. The program is designed to prepare the graduate for entry-level positions in biotechnology, biological research and industrial laboratories.

Biotechnology students will study the theories of modern advances in biotechnology, molecular biology, DNA and RNA technology, and bioethics. Skills will include laboratory management and safety, laboratory operations, planning, recording, and reporting experiments, caring for equipment and living cells, cell and tissue culture, genetics, pipetting, technical writing, and statistical analysis. The final semester will include a capstone internship which will provide a transitional experience from course work to workplace. The biotechnology program will also provide a foundation for students who would like to continue a bachelor's and/or graduate degrees.

Job opportunities include: medical schools, pharmaceutical and industrial companies, colleges, universities and rapidly new emerging occupations.

	CREDIT HOURS
PREREQUISITE:	
ENGL 1301	Composition I .....3
PSYC 2301	Introduction to Psychology .....3
	6
SEMESTER I	
BIOL 1406	Biology for Science Majors .....14
CHEM 1411	General Chemistry I .....4
SPCH 1311	Introduction to Speech Communication OR .....3
SPCH 1315	Fundamental of Public Speaking ..(3)
COSC 1300	Computer Literacy .....3
BITC 1311	Introduction to Biotechnology .....3
	17
SEMESTER II	
MATH 1314	College Algebra OR .....3
MATH 1414	College Algebra .....(4)
BIOL 2416	Genetics .....4
CHEM 1412	General Chemistry II .....4
BITC 1302	Biotechnology Laboratory Methods and Techniques .....3
	14-15

SEMESTER III

BIOL 2420	Microbiology for Non-Science Majors	4
BITC 2286	Internship-Biology Technician/ Biotechnology Laboratory Technician	2
		6

SEMESTER IV

BITC 1301	Biotechnology Laboratory Instrumentation	3
BITC 1391	Special Topics in Biological Technology/Technician	3
MLAB 1335	Immunology/Serology	3
+Elective	Humanities/Fine Arts	3
		12

SEMESTER V

BITC 2431	Cell Culture Techniques	4
BITC 2401	Molecular Biology Techniques	4
BITC 2486	Internship-Biology Technician/ Biotechnology Laboratory Technician	4
		12

Minimum Hours Required67-68

+Humanities/Fine Arts Elective must be selected from the DCCCD Humanities/Fine Arts CORE list.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

BIOTECHNOLOGY

El Centro and Mountain View only

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.BIOTECHNOLOGY

The El Centro and Mountain View College Biotechnology program offers individuals the choice of a Level I Certificate or a two-year Associate Degree program. The program is designed to prepare the graduate for entry-level positions in biotechnology, biological research and industrial laboratories.

Biotechnology students will study the theories of modern advances in biotechnology, molecular biology, DNA and RNA technology, and bioethics. Skills will include laboratory management and safety, laboratory operations, planning, recording, and reporting experiments, caring for equipment and living cells, cell and tissue culture, genetics, pipetting, technical writing, and statistical analysis. The final semester will include a capstone internship which will provide a transitional experience from course work to workplace. The biotechnology program will also provide a foundation for students who would like to continue a bachelor's and/or graduate degrees.

Job opportunities include: medical schools, pharmaceutical and industrial companies, colleges, universities and rapidly new emerging occupations.

	CREDIT HOURS
SEMESTER I	
CHEM 1411	General Chemistry I .....4
BITC 1311	Introduction to Biotechnology .....3
BIOL 1406	Biology for Science Majors I .....4
+Elective	.....3-4
	14-15
SEMESTER II	
BIOL 2420	Microbiology for Non-Science Majors 4
CHEM 1412	General Chemistry II .....4
BITC 1302	Biotechnology Laboratory Methods and Techniques .....3
BITC 2286	Internship-Biology Technician/ Biotechnology Laboratory Technician .....2
	13
Minimum Hours Required	.....27-28

+Electives - may be selected from the following:

ENGL 1301	Composition I .....3
PSYC 2301	Introduction to Psychology .....3
COSC 1300	Computer Literacy .....3
MATH 1414	College Algebra OR .....4
MATH 1314	College Algebra (3)

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

BUSINESS ADMINISTRATION

Offered at all seven campuses

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.BUSI.ADMIN

The Associate in Applied Sciences Degree in Business Administration is designed for students seeking a broad program of study in all phases of business practices. This degree focuses not only at the core of management (principles of management, organizational behavior, and personnel administration) but also encompasses the critical areas of business operations (principles of marketing, accounting, and business law).

	CREDIT HOURS
SEMESTER I	
BMGT 1303 Principles of Management	3
BUSI 1301 Introduction to Business	3
ENGL 1301 Composition I	3
+Math OR	3-5
POFT 1321 Business Math AND	(3)
++Elective Natural Science	(4)
+++Elective	3
	15-19
SEMESTER II	
MRKG 1311 Principles of Marketing	3
ACCT 2301 Principles of Accounting I** OR	3
ACCT 2401 Principles of Accounting I**	(4)
ENGL 1302 Composition II	3
ITSC 1401 Introduction to Computers	4
+++Elective	3
	16-17
SEMESTER III	
ACCT 2302 Principles of Accounting II OR	3
ACCT 2402 Principles of Accounting II	(4)
BUSI 2301 Business Law	3
ECON 2301 Principles of Economics I	3
PSYC 2302 Applied Psychology OR	3
PSYC 2301 Introduction to Psychology	(3)
SPCH 1311 Introduction to Speech Communication OR	3
SPCH 1315 Fundamentals of Public Speaking .	(3)
	15-16

SEMESTER IV

HRPO 2301	Human Resources Management ...	3
HRPO 2307	Organizational Behavior	3
ECON 2302	Principles of Economics II	3
POFT 2312	Business Communications II	3
BMGT 2382	Cooperative Education-Business Administration and Management, General	3
++++Elective	Humanities/Fine Arts	3
		18

Minimum Hours Required 64-70

+MATH - Students must select a Mathematics course from the DCCCD Mathematics CORE list.

++Elective - Students must select a course in Biology (BIOL), Chemistry (CHEM), Geology (GEOL) or Physics (PHYS) from the DCCCD Lab Science CORE list.

+++Elective - Students must take 3 hours of any college level courses to satisfy these electives.

++++ Elective - Students must select from the DCCCD Humanities/Fine Arts CORE list.

**Students may substitute ACNT 1303 and ACNT 1304. Only three hours may be applied to the required number of hours for granting the degree.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

BUSINESS ADMINISTRATION- HUMAN RESOURCES ASSISTANT

*Cedar Valley, Eastfield, Mountain View, North Lake and
Richland only*

(Certificate)

This certificate program prepares students for entry-level clerical positions in human resources.

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.BUSADM.HR.ASST.04

	CREDIT HOURS
SEMESTER I	
BMGT 1303 Principles of Management.	3
ACNT 1303 Introduction to Accounting I	3
HRPO 2307 Organizational Behavior	3
	9
SEMESTER II	
POFT 2312 Business Correspondence and Communication	3
HRPO 2301 Human Resources Management ...	3
	6
Minimum Hours Required	15

COMPUTER-AIDED DESIGN AND DRAFTING

Eastfield and Mountain View only

(Associate in Applied Sciences Degree, Tech Prep Enhanced Skills Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.CADD

This program prepares the student for employment in a wide range of industries as a CAD operator, printed circuit board designer or technician. Information in related fields is provided to enable the student to work effectively with engineers, technologists, architects and professional staff. Enrollment in CADD cooperative work experience courses (co-op) provides students with on-the-job experience while in the program.

	CREDIT HOURS
SEMESTER I	
DFTG 1373 CAD/Graphic Processes OR	3
ARTC 1313 Digital Publishing I	(3)
DFTG 1409 Basic Computer-Aided Drafting	4
ENGL 1301 Composition I	3
MATH 1314 College Algebra OR	3
MATH 1414 College Algebra	(4)
++++Elective Technical Elective	3-4
	16-18
SEMESTER II	
DFTG 1271 CADD Operations	2
DFTG 1372 Manufacturing Fundamentals OR	3
INMT 1343 CAD-CAM	(3)
DFTG 1405 Technical Drafting	4
+Elective DFTG Course	2-4
SPCH 1311 Introduction to Speech Communication	3
	14-16
SEMESTER III	
++Elective DFTG Course	3-4
++Elective DFTG Course	3-4
PSYC 2302 Applied Psychology	3
++++Elective Technical Elective OR	3-4
DFTG 2380 Cooperative Education - Drafting	(3)
+++Elective Humanities/Fine Arts	3
	15-18

SEMESTER IV

DFTG 1394	Special Topics in Electrical/Electronics Drafting OR	3
DFTG 2402	Machine Drafting OR	(4)
DFTG 2428	Architectural Drafting-Commercial	(4)
++Elective DFTG Course OR		3-4
DFTG 2381	Cooperative Education - Drafting	(3)
++++Elective Natural Sciences/Mathematics		3-4
GOVT 2302	American Government OR	3
HIST 1302	History of the United States	(3)
++++Elective Technical Elective		3-4
		15-19

Minimum Hours Required60-71

+ DFTG Courses (must be selected from the following:

DFTG 1215	Architectural Blueprint Reading	2
DFTG 1224	Technical Reading and Sketching	2
DFTG 1329	Electro-Mechanical Drafting	3
DFTG 1333	Mechanical Drafting	3
DFTG 1344	Pipe Drafting	3
DFTG 1348	Topographical Drafting	3
DFTG 1358	Electrical/Electronics - Drafting	3
DFTG 1392	Special Topics in Architectural Drafting	3
DFTG 1394	Special Topics in Electrical/Electronics Drafting	3
DFTG 1395	Special Topics in Mechanical Drafting	3
DFTG 1417	Architectural Drafting - Residential	4
DFTG 1421	Architectural Illustration	4
DFTG 2419	Intermediate Computer-Aided Drafting	4
DFTG 2428	Architectural Drafting - Commercial	4

++DFTG Courses (must be selected from the following:

DFTG 1302	Introduction to Technical Animation and Rendering	3
DFTG 1341	Intermediate Technical Animation and Rendering	3
DFTG 1491	Special Topics in Drafting	4
DFTG 2304	Printed Circuit Board Design	3
DFTG 2310	Structural Drafting	3
DFTG 2312	Technical Illustration	3
DFTG 2336	Computer-Aided Drafting Programming	3
DFTG 2337	Advanced Technical Animation and Rendering	3
DFTG 2350	Geometric Dimensioning and Tolerancing	3
DFTG 2356	Advanced Printed Circuit Board Design	3
DFTG 2374	Integrated Circuit Design	3
DFTG 2375	Advanced Integrated Circuit Design	3
DFTG 2402	Machine Drafting	4
DFTG 2431	Advanced Technologies in Architectural Design And Drafting	4
DFTG 2432	Advanced Computer-Aided Drafting	4
DFTG 2435	Advanced Technologies in Mechanical Design And Drafting	4
DFTG 2440	Solid Modeling/Design	4

+++ Elective - must be selected from any three-credit DCCCD approved course from the Humanities/Fine Arts list.

(continued on next page)

++++ Electives (must be selected from the following1:

CETT 1403	DC Circuits	4
CETT 1425	Digital Fundamentals	4
ITNW 1321	Introduction to Networking	3
ITSC 1401	Introduction to Computers	4
ITSC 2435	Application Problem Solving	4
ITSC 1407	UNIX Operating System I	4
ITSE 1422	Introduction to C Programming	4
ITSC 1425	Personal Computer Hardware	4
SMFT 1343	Semiconductor Manufacturing Technology I	3
SRVY 1315	Surveying Calculations I	3
SRVY 1419	Introduction to Geographic Information Systems ..	4
SRVY 2305	Geographic Information Systems Applications	3
SRVY 1491	Special Topics in Surveying	4

1 NOTE: Other 3 or 4 credit hour technical courses may be taken with the approval of the Computer Aided Design and Drafting Department.

+++++Elective - must be selected from any three-or four-credit courses from these disciplines: Biology (BIOL), Chemistry (CHEM), Geology (GEOL), Physics (PHYS) and Mathematics (MATH).

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

TECH PREP ENHANCED SKILLS CERTIFICATE

This Enhanced Skills Certificate is attached to the Associate in Applied Sciences Degree in Computer Aided Design and Drafting and provides the student advanced skills required by the industry to specialize in Computer-Aided Design and Drafting.

COMPUTER-AIDED DESIGN AND DRAFTING

Eastfield and Mountain View only

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: ES.CADD

CREDIT
HOURS

SEMESTER I

DFTG 2336	Computer-Aided Drafting Programming OR	3
DFTG 1491	Special Topics in Drafting OR	(4)
DFTG 2380	Cooperative Education - Drafting	(3)
ITSC 1425	Personal Computer Hardware	4
ITSE 1407	Introduction to C++ Programming	4
ITNW 1321	Introduction to Networking	3
		14-15

Minimum Hours Required
14-15

This is a Tech Prep program. Students interested in pursuing the Tech Prep Enhanced Skills certificate need to consult with their advisor.

COMPUTER-AIDED DESIGN AND DRAFTING - ARCHITECTURAL DRAFTING

*This award is pending Texas Higher Education
Coordinating Board approval effective Fall 2004.*

Eastfield and Mountain View only

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CADD.ARCH

This certificate program prepares a student to become certified as an entry-level CADD operator specializing in architectural drafting and design. Jobs performed would include the proficient use of the AutoCAD software in creating drawings to architectural specification and identifying construction methods and materials used in building design.

CREDIT
HOURS

SEMESTER I

DFTG 1409	Basic Computer-Aided Drafting	4
DFTG 1417	Architectural Drafting - Residential . . .	4
DFTG 1421	Architectural Illustration	4
		12

SEMESTER II

CNBT 1411	Construction Methods and Materials .4	
DFTG 2419	Intermediate Computer-Aided Drafting	4
DFTG 2428	Architectural Drafting - Commercial . .4	
		12

SEMESTER III

DFTG 2431	Advanced Technologies in Architectural Design and Drafting	4
		4

Minimum Hours Required28

COMPUTER-AIDED DESIGN AND DRAFTING - COMPUTER-AIDED DESIGN ADVANCED OPERATOR

Eastfield and Mountain View only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: CERT.CADD.ADV.OPERAT

This certificate program prepares a student to become certified as an advanced CADD operator and enter the work force. Jobs performed would include making 2D and 3D CADD drawings using AutoCAD software. In addition, the student would be capable of customizing the AutoCAD program and have additional skills in solid modeling and specific areas of CADD.

	CREDIT HOURS
SEMESTER I	
DFTG 1405 Technical Drafting	4
DFTG 1409 Basic Computer Aided Drafting	4
DFTG 1271 CADD Operations	2
ITSC 1401 Introduction to Computers	4
	14
SEMESTER II	
DFTG 2432 Advanced Computer-Aided Drafting .4	
MATH 1414 College Algebra OR	4
MATH 1314 College Algebra	(3)
ENGL 1301 Composition I	3
DFTG 2312 Technical Illustration OR	3
DFTG 2419 Intermediate Computer-Aided Drafting	(4)
+Elective DFTG Course	2-4
	15-19
Minimum Hours Required	29-33

+DFTG Courses - must be selected from the following courses or other courses approved by the Computer-Aided Design and Drafting department:

DFTG 1215	Architectural Blueprint Reading	2
DFTG 1224	Technical Reading and Sketching	2
DFTG 1302	Introduction to Technical Animation and Rendering	3
DFTG 1329	Electro-Mechanical Drafting	3
DFTG 1333	Mechanical Drafting	3
DFTG 1341	Intermediate Technical Animation and Rendering	3
DFTG 1344	Pipe Drafting	3
DFTG 1348	Topographical Drafting	3
DFTG 1358	Electrical/Electronics Drafting	3
DFTG 1392	Special Topics in Architectural Drafting	3
DFTG 1394	Special Topics in Electrical/Electronics Drafting	3
DFTG 1395	Special Topics in Mechanical Drafting	3
DFTG 1417	Architectural Drafting - Residential	4
DFTG 1421	Architectural Illustration	4
DFTG 1491	Special Topics in Drafting	4
DFTG 2304	Printed Circuit Board Design	3
DFTG 2310	Structural Drafting	3
DFTG 2336	Computer-Aided Drafting Programming	3
DFTG 2337	Advanced Technical Animation and Rendering	3
DFTG 2350	Geometric Dimensioning and Tolerancing	3
DFTG 2356	Advanced Printed Circuit Board Design	3
DFTG 2374	Integrated Circuit Design	3
DFTG 2375	Advanced Integrated Circuit Design	3
DFTG 2402	Machine Drafting	4
DFTG 2428	Architectural Drafting - Commercial	4
DFTG 2431	Advanced Technologies in Architectural Design and Drafting	4
DFTG 2432	Advanced Computer - Aided Drafting	4
DFTG 2435	Advanced Technologies in Mechanical Design and Drafting	4
DFTG 2440	Solid Modeling/Design	4

COMPUTER-AIDED DESIGN AND DRAFTING — COMPUTER-AIDED DESIGN OPERATOR

DFTG	2431	Advanced Technologies in Architectural Design and Drafting	4
DFTG	2432	Advanced Computer-Aided Drafting	4
DFTG	2435	Advanced Technologies in Mechanical Design and Drafting	4

Eastfield and Mountain View only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: CERT.CADD.OPERATOR

This certificate program prepares a student to become certified as an entry-level CADD operator and enter the work force. Jobs performed would entail 2D and 3D CADD drawings using AutoCAD software.

	CREDIT HOURS
SEMESTER I	
DFTG 1405 Technical Drafting	4
DFTG 1409 Basic Computer-Aided Drafting	4
	8
SEMESTER II	
DFTG 2312 Technical Illustration OR	3
DFTG 2419 Intermediate Computer-Aided Drafting	(4)
+Elective DFTG Course	3-4
+Elective DFTG Course	3-4
	9-12

Minimum Hours Required 17-20

+DFTG Courses - must be selected from the following courses or other technical courses approved by the Computer-Aided Design and Drafting department:

DFTG	1329	Electro-Mechanical Drafting	3
DFTG	1333	Mechanical Drafting	3
DFTG	1344	Pipe Drafting	3
DFTG	1348	Topographical Drafting	3
DFTG	1358	Electrical/Electronics Drafting	3
DFTG	1392	Special Topics in Architectural Drafting	3
DFTG	1394	Special Topics in Electrical/Electronics Drafting	3
DFTG	1395	Special Topics in Mechanical Drafting	3
DFTG	1417	Architectural Drafting - Residential	4
DFTG	1421	Architectural Illustration	4
DFTG	1491	Special Topics in Drafting	4
DFTG	2304	Printed Circuit Board Design	3
DFTG	2310	Structural Drafting	3
DFTG	2336	Computer-Aided Drafting Programming	3
DFTG	2419	Intermediate Computer-Aided Drafting	4
DFTG	2428	Architectural Drafting - Commercial	4
DFTG	2440	Solid Modeling/Design	4
DFTG	2350	Geometric Dimensioning and Tolerancing	3
DFTG	2356	Advanced Printed Circuit Board Design	3
DFTG	2374	Integrated Circuit Design	3
DFTG	2375	Advanced Integrated Circuit Design	3
DFTG	2402	Machine Drafting	4

ICOMPUTER INFORMATION TECHNOLOGY - INFORMATION SECURITY

Cedar Valley, Eastfield, El Centro, Mountain View, North Lake and Richland only

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.INFO.SECUR.04

This certificate provides hands-on, in-depth training to meet industry demands and concerns in protecting critical information infrastructures against cyber threats. The graduate will be qualified for entry-level positions in a network environment dealing with security challenges.

The Information Security Certificate is an advanced certificate and requires extensive knowledge of the computer field. It is recommended that you have one or more of the following: Certificate and/or AAS in networking, BS or BA in Computer Science, or Cisco CCNA, Novell CNE, Microsoft MCSA and/or MCSE, A+ and Network+, SCSA, UNIX certification, or other vendor specific certifications or equivalent experience approved by designated Information Technology personnel. It is recommended that you discuss your computer knowledge with one of the instructors teaching the courses to insure you have the required foundation to succeed.

	CREDIT HOURS
SEMESTER I	
ITSY 1400 Fundamentals of Information Security	4
ITSY 1442 Information Technology Security	4
ITSY 2400 Operating System Security	4
ITSY 2401 Firewalls and Network Security	4
	16
SEMESTER II	
ITSY 2459 Security Assessments and Auditing	4
ITSY 2442 Incident Response and Handling ...	4
ITNW 1492 Special Topics in Computer Systems Networking and Telecommunications	
OR	4
ITSY 2441 Security Management Practices OR (4)	
ITSY 2443 Computer System Forensics	(4)
	12
Minimum Hours Required	28

¹ Course covers security concepts and terminology, in addition to secure communications and Operating System security.
Prerequisite: Documented operating system experience and instructor approval.

² Course (Network Security) covers Perimeter Security (Firewalls, IDS, Router security) and Secure Network Architecture (DMZ, Remote Access, and Infrastructure Connectivity). Prerequisite: ITNW 1412 (Fundamentals of Information Security).

³ Course (Operating Systems Security) covers cryptography, authentication, access control, operating system security, and data backups. Prerequisite: ITNW 24172 (Network Security).

⁴ Course (Subtitle: Securing Enterprise Applications) covers Application, Database, Web Application, and Web Server security and data backups. Prerequisite: ITNW 24763 (Operating Systems Security).

⁵ Course (Security Assessments and Auditing) includes perimeter auditing, Operating System audits, and auditing tools. Prerequisite: ITNW 24464 (Designing a Secure Network).

⁶ Course (Incident Response and Handling) covers system forensics, investigation, incident response, and hacker techniques and exploits. Prerequisite: ITNW 24775 (Security Assessments and Auditing).

⁷ Course (Subtitle: Security Management Practices) covers cyber law and ethics, policies and procedures, risk management, and disaster recover and business continuity planning. Prerequisite: ITNW 24786 (Incident Response and Handling).

COMPUTER INFORMATION TECHNOLOGY - HELP DESK/USER SUPPORT TECHNICIAN

This award is pending Texas Higher Education Coordinating Board approval effective Summer 2004.

Offered at all seven campuses

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.HELP.DESK

This certificate is designed to provide lower level tech support skills needed to assist customers, clients, or members of a firm or organization. They field telephone calls, and email messages from customers seeking guidance on technical problems. They diagnose the problem patiently and walk the customer through the problem-solving steps. Strong problem-solving, analytical, and communication skills are needed.

Courses may be substituted for ITSC 1401, BCIS 1405, or COSC 1401 for those who demonstrate current computer literacy.

Prerequisite: Keyboarding skills

	CREDIT HOURS
SEMESTER I	
ITSC 1401 Introduction to Computers OR4	
BCIS 1405 Business Computer Applications	
OR(4)	
COSC 1401 Microcomputer Concepts and	
Applications(4)	
ITSW 1401 Introduction to Word Processing4	
ITSC 1405 Introduction to PC Operating	
Systems4	
	12
SEMESTER II	
ITSW 1404 Introduction to Spreadsheets4	
ITSW 1407 Introduction to Database4	
ITSC 2439 Personal Computer Help Desk4	
	12
Minimum Hours Required24	

COMPUTER INFORMATION TECHNOLOGY — NETWORK ADMINISTRATOR AND SUPPORT

Brookhaven, Cedar Valley, El Centro, Mountain View, North Lake and Richland only

(Associate in Applied Sciences Degree, Tech Prep Enhanced Skills Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.CIT.NWK.ADMIN.04

This associate degree program provides education and training for individuals interested in developing their knowledge and skills as networking professionals. The program also provides preparatory training for those wishing to take the MCSE, MCDBA, MCSA, MCAD, CCNA, CCNP, or SCSA certification examinations. Students will select courses in their area of specialization. In order to be considered as having met the requirements for all awards, students must complete one Primary Specialization and one Secondary Specialty Track in Semesters III and/or IV.

Credit may be given and course substitutions made for those who have acquired A+ and/or Net+ certification.

	CREDIT HOURS
SEMESTER I	
¹ Primary Specialization Semester I (one course)	4
ITSC 1405 Introduction to PC Operating Systems	4
ITSC 1425 Personal Computer Hardware	4
ENGL 1301 Composition I	3
Elective Any ITCC, ITSC, ITSE, ITSW, ITSY, ITNW, ITMC, INEW, BCIS, COSC, or CPMT course	3-4
	18-19

SEMESTER II	
² Primary Specialization Semester II (two or three courses - see track list)	8-12
MATH 1324 Mathematics for Business and Economics I OR	3
MATH 2342 Introductory Statistics OR	(3)
MATH 1314 College Algebra OR	(3)
MATH 1414 College Algebra	(4)
SPCH 1311 Introduction to Speech Communication OR	3
SPCH 1315 Fundamentals of Public Speaking	(3)
	14-19

NOTE: Students must select and complete one secondary specialty track (see Secondary Track listing) in Semesters III and/or IV to be considered as having met the requirements for this award.

SEMESTER III

³ Primary Specialization Semester III (two courses - see track list)	7-8
+Elective Social/Behavioral Science	3
++Elective Humanities/Fine Arts	3-4
	13-15

SEMESTER IV

⁴ Primary/Secondary Specialization Semester IV (three or four courses - see track list)	15-16
	15-16

Minimum Hours Required 60-69

+Elective - must be selected from the DCCCD Core Curriculum for Social/Behavioral Science .

++Elective - must be selected from the DCCCD Core Curriculum for Humanities/Fine Arts.

SEMESTER I PRIMARY SPECIALIZATION

Select one track

¹ CCNA Track - SEMESTER I (One Course)	
ITCC 1402 CCNA 1: Networking Basics	4
¹ MCSE Track - SEMESTER I (One Course)	
ITMC 1401 Microsoft Windows Network and Operating Systems Essentials	4
¹ MCDBA Track - SEMESTER I (One Course)	
ITMC 1401 Microsoft Windows Network and Operating Systems Essentials	4
¹ MCSA Track - SEMESTER I (One Course)	
ITMC 1401 Microsoft Windows Network and Operating Systems Essentials	4
¹ MCAD Track - SEMESTER I (One Course)	
ITMC 1401 Microsoft Windows Network and Operating Essentials	4

SEMESTER II PRIMARY SPECIALIZATION

Continue in Track Selected in Semester I

² CCNA Track - SEMESTER II (Two Courses)	
ITCC 1406 CCNA 2: Router and Routing Basics	4
ITCC 1442 CCNA 3: Switching Basics and Intermediate Routing	4
² MCSE Track - SEMESTER II (Two or Three Courses)	
ITMC 1441 Implementing Microsoft Windows Professional and Server	4
OR	
ITMC 1419 Installing and Administering Microsoft Windows Server Operating Systems	(4)
AND	

(continued on next page)

ITMC 1458	Supporting Microsoft Windows Client Network Operating Systems AND .....(4)
ITMC 1442	Implementing a Microsoft Windows Network Infrastructure .....4
²MCDBA Track -SEMESTER II (Two or Three .....Courses)	
ITMC 1441	Implementing Microsoft Windows Professional and Server .....4 OR
ITMC 1419	Installing and Administering Microsoft Windows Server Operating Systems ..(4) AND
ITMC 1458	Supporting Microsoft Windows Client Network Operating Systems AND .....(4)
ITMC 1403	Querying Microsoft SQL Server with Transact-SQL .....4
²MCSDB Track -SEMESTER II (Three Courses)	
ITSE 1422	Introduction to C ProgrammingA .....4 OR
ITSE 1431	Introduction to Visual BASIC ProgrammingA .....(4)
ITMC 1345	Enterprise Development Using Microsoft Visual Basic.NETB .....3 OR
ITSE 1402	Computer Programming B .....(4)
ITSE 2449	Advanced Visual BASIC Programming C .....4 OR
ITSE 2455	Advanced C Programming C .....(4)
²MCSA Track -SEMESTER II (Two or Three Courses)	
ITMC 1441	Implementing Microsoft Windows Professional and Server .....4 OR
ITMC 1419	Installing and Administering Windows ..(4) AND
ITMC 1458	Supporting Microsoft Windows Client Network Operating System AND .....(4)
ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications ...4
²MCAD Track -SEMESTER II (Three Courses)	
ITSE 1422	Introduction to C ProgrammingA .....4 OR
ITSE 1431	Introduction to Visual BASIC ProgrammingA .....(4)
ITMC 1345	Enterprise Development Using Microsoft Visual Basic.NETB .....3 OR
ITSE 1402	Computer Programming B .....(4)
ITSE 2449	Advanced Visual BASIC Programming C .....4 OR
ITSE 2455	Advanced C Programming C .....(4)

SEMESTER III PRIMARY SPECIALIZATION

Continue in Track Selected in Semesters I and II

³CCNA Track -SEMESTER III (Two Courses)	
ITCC 1446	CCNA 4: WAN Technologies .....4
One Course from *Secondary Specialty Track Listing (CCNP, UNIX, AS/400, OR Microsoft)	
³MCSE Track -SEMESTER III (Two courses)	
ITMC 1443	Implementing and Administering Microsoft Directory Services .....4
One Course from below:	
ITMC 2431	Designing a Microsoft Windows Directory Services Infrastructure .....4
ITMC 2432	Designing a Microsoft Windows Networking Services Infrastructure ....4
ITMC 2433	Designing a Secure Microsoft Windows Network .....4
ITNW 1403	Managing a Microsoft Windows Network Environment .....4
ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications .....4
³MCDBA Track -SEMESTER III (Two Courses)	
ITMC 2403	Administering a Microsoft SQL Server Database .....4
ITMC 2437	Programming a Microsoft SQL Server Database .....4
³MCSDB Track -SEMESTER III (Two Courses)	
ITSE 1302	Computer Programming D .....3 OR .....(4)
ITSE 1402	Computer Programming D .....(4) OR .....(4)
ITSE 2450	Mastering Enterprise Development Using Microsoft Visual Basic D .....(4) OR .....(4)
ITSE 2459	Advanced Computer Programming D .....(4)
ITSE 2402	Intermediate Web Programming E .....4
³MCSA Track -SEMESTER III (Two Courses)	
One Course from Microsoft MCSA Electives requirement:	
ITMC 1442	Implementing a Microsoft Windows Network Infrastructure .....4
ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications .....4
ITMC 2403	Administering a Microsoft SQL Server Database .....4
ITMC 2404	Implementing and Managing Microsoft Exchange .....4
ITSY 1442	Information Technology Security .....4
ITMC 2436	Designing Microsoft Exchange for the Enterprise .....4

(continued on next page)

ITMC 2437	Programming a Microsoft SQL Server Database	4
ITMC 2455	Deploying and Managing Microsoft Internet Security and Acceleration Server	4
ITNW 1403	Managing a Microsoft Windows Network Environment	4

One Course from *Secondary Specialty Track Listing (CCNA, CCNP, UNIX, AS/400 OR Microsoft)

³MCAD Track -SEMESTER III (Two Courses)

ITSE 1302	Computer Programming ^D	3
	OR	
ITSE 1402	Computer Programming ^D	(4)
	OR	
ITSE 2450	Mastering Enterprise Development Using Microsoft Visual Basic ^D	(4)
	OR	
ITSE 2459	Advanced Computer Programming ^D	(4)
ITSE 2402	Intermediate Web Programming ^E	4

SEMESTER IV PRIMARY/SECONDARY SPECIALIZATION

Continue in Primary Track **OR** Select Secondary Specialty Track

⁴CCNA Track -SEMESTER IV (Four Courses)

Four Courses from *Secondary Specialty Track Listing (CCNP, UNIX, AS/400 OR Microsoft)

⁴MCSE Track -SEMESTER IV (Four courses)

Two courses from Microsoft MCSE Electives requirement:

ITMC 2409	Deploying and Supporting Microsoft SMS Server	4
ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications	4
ITMC 2403	Administering a Microsoft SQL Server Database	4
ITMC 2404	Implementing and Managing Microsoft Exchange	4
ITMC 2408	Administering Microsoft Systems Management Server	4
ITSY 1442	Information Technology Security	4
ITMC 2431	Designing a Microsoft Windows Directory Services Infrastructure	4
ITMC 2432	Designing a Microsoft Windows Networking Services Infrastructure	4
ITMC 2433	Designing a Secure Microsoft Windows Network	4
ITMC 2436	Designing Microsoft Exchange for the Enterprise	4
ITMC 2437	Programming a Microsoft SQL Server Database	4
ITMC 2455	Deploying and Managing Microsoft Internet Security and Acceleration Server	4
ITNW 1403	Managing a Microsoft Windows Network Environment	4

Two Courses from *Secondary Specialty Track Listing (CCNA, CCNP, UNIX, AS/400 OR Microsoft)

⁴MCDBA Track -SEMESTER IV (Four Courses)

One Course from Microsoft MCDBA Electives requirement:

ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications	4
ITMC 1442	Implementing a Microsoft Windows Network Infrastructure	4
ITSE 1444	Mastering Microsoft Visual Basic Development	4
ITSE 1491	Special Topics in Computer Programming	4
ITSE 2450	Mastering Enterprise Development Using Microsoft Visual Basic	4
ITMC 1345	Enterprise Development Using Microsoft Visual Basic.NET	3

Three Courses from *Secondary Specialty Track Listing (CCNA, CCNP, UNIX, AS/400 OR Microsoft)

⁴MCSD Track -SEMESTER IV (Four courses)

ITSE 2413	Web Authoring ^F	4
	OR	
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^F	(4)
	AND	
ITSE 1391	Special Topics in Computer Programming ^G	3
	OR	
ITSE 1491	Special Topics in Computer Programming ^G	(4)
	OR	
ITSE 2402	Intermediate Web Programming ^H	(4)
	AND	
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^I	4
	OR	
ITSE 1491	Special Topics in Computer Programming ^I	(4)

One Course from *Secondary Specialty Track Listing (CCNA, CCNP, UNIX, AS/400 OR Microsoft)

⁴MCSA Track -SEMESTER IV (Four Courses)

Four Courses from *Secondary Specialty Track Listing (CCNA, CCNP, UNIX, AS/400 OR Microsoft)

⁴MCAD Track -SEMESTER IV (Four Courses)

ITSE 2413	Web Authoring ^F	4
	OR	
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^F	(4)
	AND	

(continued on next page)

ITSE 1391	Special Topics in Computer Programming ^G	3
	OR	
ITSE 1491	Special Topics in Computer Programming ^G	(4)
	OR	
ITSE 2402	Intermediate Web Programming ^H AND	(4)
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^I	4
	OR	
ITSE 1491	Special Topics in Computer Programming ^I	(4)

One Course from *Secondary Specialty Track Listing (CCNA, CCNP, UNIX, AS/400 OR Microsoft)

***SECONDARY SPECIALTY TRACKS LISTING**
Select one Secondary Specialty Track

CCNA

ITCC 1402	CCNA 1: Networking Basics	4
ITCC 1406	CCNA 2: Router and Routing Basics	4
ITCC 1442	CCNA 3: Switching Basic and Intermediate Routing	4
ITCC 1446	CCNA 4: WAN Technologies	4

Any 4-credit hour ITSE, ITSW, ITSC, ITNW, ITCC, ITMC, ITSY, INEW, BCIS, COSC or CPMT course, including but not limited to:

ITNW 1280 **AND** ITNW 1281 **OR** ITNW 1480 Cooperative Education—Business Systems Networking and Telecommunications **OR** EECT 1440 Telecommunications Transmission Media

CCNP

ITCC 2432	Advanced Routing: Cisco 5	4
ITCC 2436	Remote Access: Cisco 6	4
ITCC 2440	Multilayer Switching: Cisco 7	4
ITCC 2444	Network Troubleshooting: Cisco 8	4

Any 4-credit hour ITSE, ITSW, ITSC, ITNW, ITCC, ITMC, ITSY, INEW, BCIS, COSC or CPMT course, including but not limited to:

ITNW 1280 **AND** ITNW 1281 **OR** ITNW 1480 Cooperative Education—Business Systems Networking and Telecommunications **OR** EECT 1440 Telecommunications Transmission Media

UNIX

ITSC 1402	Computer Control Language	4
ITSC 1407	UNIX Operating System I	4
ITSC 1429	Fundamentals of Solaris 8 Operating Environment (SA-118)	4
ITSC 2437	UNIX Operating System II	4
ITSC 1452	Solaris Operating Environment 8 Systems Administration II (SA-288)	4
ITSC 1454	Solaris Operating Environment 8 Systems Administration (SA-238)	4
ITSC 1456	Shell Programming (SL-120)	4

Any 4-credit hour ITSE, ITSW, ITSC, ITNW, ITCC, ITMC, ITSY, INEW, BCIS, COSC or CPMT course, including but not limited to:

ITNW 1280 **AND** ITNW 1281 **OR** ITNW 1480 Cooperative Education—Business Systems Networking and Telecommunications **OR** EECT 1440 Telecommunications Transmission Media

AS/400

ITSC 1402	Computer Control Language	4
ITSC 1411	AS/400 Operating System I	4
ITSC 2442	AS/400 Operating System II	4
ITSE 1414	Introduction to RPG Programming	4
ITSE 2435	Advanced RPG Programming	4

Any 4-credit hour ITSE, ITSW, ITSC, ITNW, ITCC, ITMC, ITSY, INEW, BCIS, COSC or CPMT course, including but not limited to:

ITNW 1280 **AND** ITNW 1281 **OR** ITNW 1480 Cooperative Education—Business Systems Networking and Telecommunications **OR** EECT 1440 Telecommunications Transmission Media

MICROSOFT

ITMC 1401	Microsoft Windows Network and Operating System Essentials	4
ITMC 1441	Implementing Microsoft Windows Professional and Server OR	4
ITMC 1419	Installing and Administering Microsoft Windows Server Operating System AND	(4)
ITMC 1458	Supporting Microsoft Windows Client Network Operating System	(4)
ITMC 1442	Implementing a Microsoft Windows Network Infrastructure	4
ITMC 1443	Implementing and Administering Microsoft Windows Directory Services	4
ITMC 2431	Designing a Microsoft Windows Directory Services Infrastructure	4
ITNW 1403	Managing a Microsoft Windows Network Environment	4

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Any 4-credit hour ITSE, ITSW, ITSC, ITNW, ITCC, ITMC, ITSY, INEW, BCIS, COSC or CPMT course, including but not limited to:

ITNW 1280 **AND** ITNW 1281 **OR** ITNW 1480 Cooperative Education—Business Systems Networking and Telecommunications **OR** EECT 1440 Telecommunications Transmission Media

A Introduction to Microsoft Visual Basic.NET (MS 2559) or Introduction to C#.NET (MS 2609)

B Programming with Microsoft Visual Basic.NET (MS 2373) or Programming with C#.NET (MS 2124)

C Programming with the Microsoft .NET Framework (Visual Basic.NET-MS 2415) OR Programming with the Microsoft .NET Framework (Microsoft Visual C#.NET-MS 2349)

D Programming with ADO.NET (MS 2389)

E Introduction to Visual Studio.NET

F Developing Microsoft Web Applications Using ASP.NET and Microsoft Visual Studio.NET (MS 2310)

G Developing Microsoft .NET Applications for Windows (Visual Basic.NET-MS 2565) OR Developing Microsoft .NET Applications for Windows (Visual C#.NET-MS 2555)

H Developing XML Web Services Using Microsoft ASP.NET (MS 2524)

I Developing Component-based Applications Using Microsoft.NET Enterprise Services (MS 2557)

This is a Tech Prep program. Students interested in pursuing the Tech Prep Enhanced Skills certificate need to consult with their advisor.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

This certificate option will provide education and training for individuals interested in developing their knowledge and skills as networking professionals with an emphasis on preparation for those wishing to take the CCNA certification examination.

COMPUTER INFORMATION TECHNOLOGY — NETWORKING PROFESSIONAL

El Centro, Mountain View, North Lake and Richland only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.NWK.PROF.04

This certificate will examine complex networking concepts, such as troubleshooting tools and more sophisticated configurations. Upon completion, the student will have acquired skills needed to prepare for certification as a Cisco Certified Network Professional.

Prerequisite: CCNA Certification and successful completion of skills-based exam or completion of Cisco 4 (ITCC 1446).

CREDIT HOURS

SEMESTER I

ITCC 2432	Advanced Routing : Cisco 5	.4
ITCC 2436	Remote Access: Cisco 6	.4
		8

SEMESTER II

ITCC 2440	Multilayer Switching: Cisco 7	.4
ITCC 2444	Network Troubleshooting: Cisco 8	.4
		8

Minimum Hours Required16

Upon completion of ITCC 2444, Network Troubleshooting: Cisco 8, the student is eligible to take the CCNP (Cisco Certified Networking Professional) credentialing exam.

COMPUTER INFORMATION TECHNOLOGY — NETWORKING SUPPORT

Brookhaven, Cedar Valley, El Centro, Mountain View, North Lake and Richland only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.NWK.SUPP.04

This certificate offers multiple specialty options for development of networking systems engineer, software developer, database administrator, and systems administrator. The program also provides preparatory training for those wishing to take the MCSE, MCDDBA, MCSD, MCSA, and MCAD certification examinations.

NOTE: students must select and complete one specialty track to be considered as having met the requirement for this award.

Prerequisite: For all Tracks, basic understanding of personal computers/terminology and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 or equivalent experience approved by designated Information Technology personnel. MCSD and MCAD Tracks require problem solving and logic structures as obtained in ITSC 2435.

CREDIT HOURS

SEMESTER I

1 st MCSE Track (Two or Three Courses) OR	8-12
1 st MCDDBA Track (Two or Three Courses) OR	8-12
1 st MCSD Track (Three Courses) OR	11-12
1 st MCSA Track (Two or Three Courses) OR	8-12
1 st MCAD TRACK (Three Courses)	11-12
	8-12

SEMESTER II

2 nd MCSE Track (Two Courses) OR	8
2 nd MCDDBA Track (Two Courses) OR	8
2 nd MCSD Track (Two Courses) OR	6-8
2 nd MCSA Track (Two Courses) OR	8
2 nd MCAD TRACK (Two Courses)	6-8
	6-8

SEMESTER III

3 rd MCSE Track (Two Courses) OR	8
3 rd MCDDBA Track (Two Courses) OR	7-8
3 rd MCSD Track (Two Courses) OR	6-8
3 rd MCSA Track (Two Courses) OR	8
3 rd MCAD TRACK (Two Courses)	6-8
	6-8

Minimum Hours Required20-28
(continued on next page)

¹MCSE Track - Semester I (Two or Three Courses)

ITMC 1401	Microsoft Windows Network and Operating Systems Essentials	.4
ITMC 1441	Implementing Microsoft Windows Professional and Server	.4
OR		
ITMC419	Installing and Administering Microsoft Windows Server Operating Systems	(.4)
AND		
ITMC 1458	Supporting Microsoft Windows Client Network Operating Systems	(.4)

¹MCDBA Track - Semester I (Two or Three Courses)

ITMC 1401	Microsoft Windows Network and Operating Systems Essentials	.4
ITMC 1441	Implementing Microsoft Windows Professional and Server	.4
OR		
ITMC 1419	Installing and Administering Microsoft Windows Server Operating Systems	.4
AND		
ITMC 1458	Supporting Microsoft Windows Client Network Operating Systems	.4

¹MCSD Track - Semester I (Three Courses)

ITSE 1442	Introduction to C Programming ^A	OR .4
ITSE 1431	Introduction to Visual Basic Programming ^A	(.4)
ITMC 1345	Enterprise Development Using Microsoft Visual Basic.NET ^B	OR .3
ITSE 1402	Computer Programming ^B	(.4)
ITSE 2449	Advanced Visual BASIC Programming ^C	OR .4
ITSE 2455	Advanced Programming ^C	(.4)

¹MCSA Track - Semester I (Two or Three Courses)

ITMC 1401	Microsoft Windows Network and Operating Systems Essentials	.4
ITMC 1441	Implementing Microsoft Windows Professionals and Server	.4
OR		
ITMC 1419	Installing and Administering Microsoft Windows Server Operating Systems	(.4)
AND		
ITMC 1458	Supporting Microsoft Windows Client Network Operating Systems	(.4)

¹MCAD Track - Semester I (Three Courses)

ITSE 1442	Introduction to C Programming ^A	OR .4
ITSE 1431	Introduction to Visual Basic Programming ^A	(.4)
ITMC 1345	Enterprise Development Using Microsoft Visual Basic.NET ^B	OR .3
ITSE 1402	Computer Programming ^B	(.4)
ITSE 2449	Advanced Visual BASIC Programming ^C	OR .4
ITSE 2455	Advanced Programming ^C	(.4)

²MCSE Track - Semester II (Two Courses)

ITMC 1442	Implementing a Microsoft Windows Network Infrastructure	.4
ITMC 1443	Implementing and Administering Microsoft Directory Services	.4

²MCDBA Track - Semester II (Two Courses)

ITMC 1403	Querying Microsoft SQL Server with Transact-SQL	.4
ITMC 2403	Administering a Microsoft SQL Server Database	.4

²MCSD Track - Semester II (Two Courses)

ITSE 1302	Computer Programming ^D	OR .3
ITSE 1402	Computer Programming ^D	OR (.4)
ITSE 2450	Mastering Enterprise Development Using Microsoft Visual Basic ^D	OR (.4)
ITSE 2459	Advanced Computer Programming ^D	(.4)
ITSE 2302	Intermediate Web Programming ^E	OR .3
ITSE 2402	Intermediate Web Programming ^E	(.4)

²MCSA Track - Semester II (Two Courses)

ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications	.4
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One Course from Microsoft MCSA Electives**Requirement:**

ITMC 1442	Implementing a Microsoft Windows Network Infrastructure	.4
ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications	.4
ITMC 2403	Administering a Microsoft SQL Server Database	.4
ITMC 2404	Implementing and Managing Microsoft Exchange	.4
ITSY 1442	Information Technology Security	.4
ITMC 2436	Designing Microsoft Exchange for the Enterprise	.4
ITMC 2437	Programming a Microsoft SQL Server Database	.4

(continued on next page)

ITMC 2455	Deploying and Managing Microsoft Internet Security and Acceleration Server .....	.4
ITNW 1403	Managing a Microsoft Windows Network Environment .....	.4

Any ITSE, ITSW, ITSC, ITNW, ITCC, ITMC, INEW, ITSY, BCIS, COSC or CPMT 4-credit-hour course.

²MCAD Track - Semester II (Two Courses)

ITSE 1302	Computer Programming ^D	
	OR .....	.3
ITSE 1402	Computer Programming ^D	
	OR	(.4)
ITSE 2450	Mastering Enterprise Development Using Microsoft Visual Basic ^D	
	OR	(.4)
ITSE 2459	Advanced Computer Programming ^D	(.4)
ITSE 2302	Intermediate Web Programming ^E	
	OR .....	.3
ITSE 2402	Intermediate Web Programming ^E	(.4)

³MCSE Track - Semester III (Two Courses)

One Course from below:

ITMC 2431	Designing a Microsoft Directory Service Infrastructure .....	.4
ITMC 2432	Designing a Microsoft Windows Networking Services Infrastructure .....	.4
ITMC 2433	Designing a Secure Microsoft Windows Network .....	.4
ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications .....	.4
ITNW 1403	Managing a Microsoft Windows Network Environment .....	.4

One Course from Microsoft MCSE Electives requirement:

ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications .....	.4
ITMC 2403	Administering a Microsoft SQL Server Database .....	.4
ITMC 2404	Implementing and Managing Microsoft Exchange .....	.4
ITMC 2408	Administering Microsoft Systems Management Server .....	.4
ITSY 1442	Information Technology Security .....	.4
ITMC 2431	Designing a Microsoft Windows Directory Services Infrastructure .....	.4
ITMC 2432	Designing a Microsoft Windows Networking Services Infrastructure .....	.4
ITMC 2433	Designing a Secure Microsoft Windows Network .....	.4
ITMC 2436	Designing Microsoft Exchange for the Enterprise .....	.4
ITMC 2437	Programming a Microsoft SQL Server Database .....	.4
ITMC 2455	Deploying and Managing Microsoft Internet Security and Acceleration Server4

ITMW 1403	Managing a Microsoft Windows Network Environment4
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³MCDBA Track - Semester III (Two Courses)

ITMC 2437	Programming a Microsoft SQL Server Database4
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One Course from Microsoft MCDBA Electives requirement:

ITNW 1492	Special Topics in Computer Systems Networking and Telecommunications4
ITMC 1442	Implementing a Microsoft Windows Network Infrastructure .....	.4
	Mastering Microsoft Visual Basic Development .....	.4
ITSE 1491	Special Topics in Computer Programming .....	.4
ITSE 2450	Mastering Enterprise Development Using Microsoft Visual Basic Enterprise Development Using Microsoft Visual Basic.NET .....	.3

³MCSD Track - Semester III (Two Courses)

ITSE 2413	Web Authoring ^F OR .....	.4
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^F OR	(.4)
ITSE 1391	Special Topics in Computer Programming ^G OR .....	.3
ITSE 1491	Special Topics in Computer Programming ^G OR	(.4)
ITSE 2302	Intermediate Web Programming ^H OR	(.3)
ITSE 2402	Intermediate Web Programming ^H AND	(.4)
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^I OR .....	.4
ITSE 1391	Special Topics in Computer Programming ^I OR	(.3)
ITSE 1491	Special Topics in Computer Programming ^I	(.4)

³MCSA Track - Semester III (Two Courses)

Any TWO ITSE, ITSW, ITSC, ITNW, ITCC, ITMC, INEW, ITSY, BCIS, COSC, or CPMT 4-credit-hour courses.

(continued on next page)

³MCAD Track -SEMESTER III (Two Courses)

ITSE 2413	Web Authoring	
F	OR	4
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^F	OR .....(4)
ITSE 1391	Special Topics in Computer Programming ^G	OR .....3
ITSE 1491	Special Topics in Computer Programming ^G	OR .....(4)
ITSE 2302	Intermediate Web Programming ^H	OR .....(3)
ITSE 2402	Intermediate Web Programming ^H	AND .....(4)
ITSE 1440	Mastering Distributed Application Design and Development Using Microsoft Visual Studio ^I	OR .....4
ITSE 1391	Special Topics in Computer Programming ^I	OR .....(3)
ITSE 1491	Special Topics in Computer Programming ^I	.....(4)

^A Introduction to Microsoft Visual Basic.NET (MS 2559) or Introduction to C#.NET (MS 2609)

^B Programming with Microsoft Visual Basic.NET (MS 2373) or Programming with C#.NET (MS 2124)

^C Programming with the Microsoft .NET Framework (Visual Basic.NET-MS 2415) OR Programming with the Microsoft .NET Framework (Microsoft Visual C#.NET-MS 2349)

^D Programming with ADO.NET (MS 2389)

^E Introduction to Visual Studio.NET

^F Developing Microsoft Web Applications Using ASP.NET and Microsoft Visual Studio.NET (MS 2310)

^G Developing Microsoft .NET Applications for Windows (Visual Basic.NET-MS 2565) OR Developing Microsoft .NET Applications for Windows (Visual C#.NET-MS 2555)

^H Developing XML Web Services Using Microsoft ASP.NET (MS 2524)

^I Developing Component-based Applications Using Microsoft.NET Enterprise Services (MS 2557)

COMPUTER INFORMATION TECHNOLOGY — PERSONAL COMPUTER SUPPORT

Offered at all seven campuses

(Associate in Applied Sciences Degree)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.CIT.PC.SUPP.04

This associate degree program trains the student to troubleshoot software and hardware problems, implementing corrections where possible; to evaluate new software and hardware; to install hardware and software, including equipment assembly and diagnostics; and to assist in the development and presentation of training courses for users. The graduate will be qualified to provide support for personal computer users in a corporate environment.

Course(s) may be substituted for ITSC 1401, BCIS 1405, or COSC 1401 for those who demonstrate current computer literacy.

CREDIT HOURS

SEMESTER I

ITSC 1401	Introduction to Computers OR4
BCIS 1405	Business Computer Applications OR(4)
COSC 1401	Microcomputer Concepts and Applications(4)
ITSC 2435	Application Problem Solving4
ITSC 1405	Introduction to PC Operating Systems4
ENGL 1301	Composition I3
	15

SEMESTER II

ITNW 1421	Introduction to Networking4
ITSW 1401	Introduction to Word Processing OR .4
ITSW 2431	Advanced Word Processing(4)
ITSW 1404	Introduction to Spreadsheets OR . . .4
ITSW 2434	Advanced Spreadsheets(4)
MATH 2342	Introductory Statistics OR3
MATH 1314	College Algebra OR(3)
MATH 1414	College Algebra(4)
SPCH 1311	Introduction to Speech Communication OR3
SPCH 1315	Fundamentals of Public Speaking . .(3)
	18-19

SEMESTER III

ITSW 1407	Introduction to Database OR4
ITSW 2437	Advanced Database(4)
ITSC 1425	Personal Computer Hardware4
ITSW 1410	Introduction to Presentation Graphics Software OR4
ITSC 1421	Intermediate PC Operating Systems(4)
+Elective	Social/Behavioral Science3
	15

SEMESTER IV

ITSC 1413	Internet/Web Page Development . . .4
ITSC 2439	Personal Computer Help Desk4
ITSC 1X8X	Cooperative Education OR3-4
Elective	Any ITCC, ITMC, INEW, ITSC, ITSE, ITNW, ITSW, ITSY, BCIS, COSC, or CPMT course(3-4)
++Elective	Humanities/Fine Arts3-4
	14-16

Minimum Hours Required62-65

+Elective must be selected from the DCCCD Core Curriculum for Social/Behavioral Science.

++Elective must be selected from the DCCCD Core Curriculum for Humanities/Fine Arts.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

COMPUTER INFORMATION TECHNOLOGY — PERSONAL COMPUTER SPECIALIST

Offered at all seven campuses

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C2.CIT.PC.SPEC.04

This certificate option is designed to provide in-depth training in suite package software, operating systems, hardware, networking, and internet/web page development. The graduate will be qualified for a variety of entry-level positions in a pc-oriented environment.

Course(s) may be substituted for ITSC 1401, BCIS 1405, or COSC 1401 for those who demonstrate current computer literacy.

	CREDIT HOURS
SEMESTER I	
ITSC 1401 Introduction to Computers OR4	
BCIS 1405 Business Computer Applications OR(4)	
COSC 1401 Microcomputer Concepts and Applications(4)	
ITNW 1421 Introduction to Networking4	
ITSC 1405 Introduction to PC Operating Systems4	
SPCH 1311 Introduction to Speech Communication OR3	
SPCH 1315 Fundamentals of Public Speaking .(3)	15
SEMESTER II	
ITSC 2435 Application Problem Solving4	
ITSW 1401 Introduction to Word Processing OR .4	
ITSW 2431 Advanced Word Processing(4)	
ITSW 1404 Introduction to Spreadsheets OR . . .4	
ITSW 2434 Advanced Spreadsheets(4)	
ENGL 1301 Composition I3	15
SEMESTER III	
ITSW 1407 Introduction to Database OR4	
ITSW 2437 Advanced Database(4)	
ITSC 1425 Personal Computer Hardware4	
ITSW 1410 Introduction to Presentation Graphics Software OR4	
ITSC 1413 Internet/Web Page Development OR(4)	
ITSC 2439 Personal Computer Help Desk(4)	

Elective Any ITCC, ITMC, INEW, ITSC, ITSE,
ITNW, ITSW, ITSY, BCIS, COSC, or
CPMT course3-4
15-16

Minimum Hours Required45-46

COMPUTER INFORMATION TECHNOLOGY — PERSONAL COMPUTER TECHNICIAN

Offered at all seven campuses

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.PC.TECH.03

This one-semester certificate option is designed to provide training for those who want to concentrate on troubleshooting and solving elementary operating system, hardware, and networking problems. The graduate will be qualified to perform entry-level troubleshooting on personal computers.

Course(s) may be substituted for ITSC 1401, BCIS 1405, or COSC 1401 for those who demonstrate current computer literacy.

	CREDIT HOURS
SEMESTER I	
ITSC 1401 Introduction to Computers OR4	
BCIS 1405 Business Computer Applications OR(4)	
COSC 1401 Microcomputer Concepts and Applications(4)	
ITNW 1421 Introduction to Networking4	
ITSC 1425 Personal Computer Hardware4	
ITSC 1405 Introduction to PC Operating Systems4	16

Minimum Hours Required16

COMPUTER INFORMATION TECHNOLOGY — PERSONAL COMPUTER USER

Offered at all seven campuses

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.PC.USER.03

This certificate option is designed to provide training for those wishing to have a basic understanding of word processing, spreadsheets, database, and PC operating systems. The graduate will be qualified to use software applications at a level required for appropriate certification.

Course(s) may be substituted for ITSC 1401, BCIS 1405, or COSC 1401 for those who demonstrate current computer literacy.

	CREDIT HOURS
SEMESTER I	
ITSC 1401 Introduction to Computers OR4	
BCIS 1405 Business Computer Applications OR(4)	
COSC 1401 Microcomputer Concepts and Applications(4)	
ITSW 1401 Introduction to Word Processing OR4	
ITSW 2431 Advanced Word Processing(4)	
ITSW 1404 Introduction to Spreadsheets OR . . .4	
ITSW 2434 Advanced Spreadsheets(4)	
	12

SEMESTER II	
ITSW 1407 Introduction to Database OR4	
ITSW 2437 Advanced Database(4)	
ITSW 1410 Introduction to Presentation Graphics Software OR4	
ITSC 1409 Integrated Software Applications I OR(4)	
ITSC 2431 Integrated Software Applications III OR(4)	
ITSC 1405 Introduction to PC Operating Systems(4)	
	8

Minimum Hours Required20

COMPUTER INFORMATION TECHNOLOGY — SOFTWARE PROGRAMMER/ DEVELOPER

Offered at all seven campuses

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.CIT.PROG.DEV.04

This associate degree program is designed to provide in-depth skills and knowledge in one primary programming language and an operating system from the same platform, plus additional knowledge of a secondary language. The graduate will be qualified to work as an entry-level programmer in an applications setting to support the information processing function of the organization.

Course(s) may be substituted for ITSC 1401, BCIS 1405, or COSC 1401 for those who demonstrate current computer literacy.

	CREDIT HOURS
SEMESTER I	
ITSC 1401 Introduction to Computers OR4	
BCIS 1405 Business Computer Applications OR(4)	
COSC 1401 Microcomputer Concepts and Applications(4)	
ITSC 2435 Application Problem Solving4	
ITNW 1421 Introduction to Networking4	
ENGL 1301 Composition I3	
	15

SEMESTER II	
XXXX XXXX Introductory Programming course- List A*3-4	
ITSW 1407 Introduction to Database4	
XXXX XXXX Operating Systems course-List C . .3-4	
MATH 1414 College Algebra OR4	
MATH 1314 College Algebra OR(3)	
MATH 2342 Introductory Statistics(3)	
SPCH 1311 Introduction to Speech Communication OR3	
SPCH 1315 Fundamentals of Public Speaking .(3)	
	16-19

SEMESTER III

XXXX XXXX	Introductory Programming course- List A* .....3-4
XXXX XXXX	Advanced Programming course- List B** .....3-4
Elective	Any ITCC, ITSC, ITSE, ITSW, ITNW, ITMC, INEW, ITSY, BCIS, COSC or CPMT course .....3-4
ITSW 1410	Introduction to Presentation Graphics Software OR .....4
Elective	Any ITCC, ITSC, ITSE, ITSW, ITNW, ITMC, INEW, ITSY, BCIS, COSC or CPMT course .....(3-4)
+Elective	Humanities/Fine Arts .....3-4 15-20

SEMESTER IV

XXXX XXXX	Programming course-List A or B OR .....3-4
XXXX XXXX	Application Development course- List D .....(3-4)
ITSE 1350	System Analysis and Design OR ...3
BCIS 2390	Systems Analysis and Design OR ..(3)
ITSC/ITSE/ ITSW 1X8X	Cooperative Education Course .....(3)
Elective	Any two ITCC, ITSC, ITSE, ITSW, ITNW, ITMC, INEW, ITSY, BCIS, COSC or CPMT course .....6-8
++Elective	Social/Behavioral Science .....3 15-18

Minimum Hours Required61-72

+Elective must be selected from the DCCCD Core Curriculum for Humanities/Fine Arts.

++Elective must be selected from the DCCCD Core Curriculum for Social/Behavioral Science.

*First in a two-course programming language series

List A - Introductory Programming Courses

ITSC 1413	Internet/Web Page Development .....4
ITSC 1329	Fundamental of Solaris 8 Operating Environment (SA-118) .....3
ITSC 1429	Fundamental of Solaris 8 Operating Environment (SA-118) .....4
ITSE 1345	Introduction to Oracle SQL .....3
ITSE 1402	Computer Programming .....4
ITSE 1407	Introduction to C++ Programming .....4
ITSE 1411	Web Page Programming .....4
ITSE 1414	Introduction to RPG Programming .....4
ITSE 1418	Introduction to COBOL Programming .....4
ITSE 1422	Introduction to C Programming .....4
ITSE 1431	Introduction to Visual BASIC Programming ...4
ITSE 1445	Introduction to Oracle SQL .....4
ITSE 1491	Special Topics in Computer Programming ...4
ITSE 2356	Oracle Database Administration I .....3
ITSE 2401	Windows Programming Using C++ .....4
ITSE 2405	Windows Programming .....4
ITSE 2409	Database Programming .....4
ITSE 2413	Web Authoring .....4
ITSE 2417	JAVA Programming .....4
ITSE 2421	Object-Oriented Programming .....4
ITSE 2456	Oracle Database Administration I .....4

BCIS 1431	Programming in Visual Basic .....4
COSC 1415	Introduction to Computer Science and Programming .....4
COSC 1430	Programming I .....4
COSC 1436	Programming Fundamentals I .....4
COSC 1437	Programming Fundamentals II .....4
ITMC 1403	Querying Microsoft SQL Server with Transact-SQL .....4
ITMC 2403	Administering a Microsoft SQL Server Database .....4

**Second in a two-course programming language series

List B - Advanced Programming Language Courses

ITSC 1356	Shell Programming (SL 120) .....3
ITSC 1456	Shell Programming (SL 120) .....4
ITSE 1356	Introduction to XML .....3
ITSE 1491	Special Topics in Computer Programming ...4
ITSE 2354	Advanced Oracle PL/SQL .....3
ITSE 2402	Intermediate Web Programming .....4
ITSE 2409	Database Programming .....4
ITSE 2413	Web Authoring .....4
ITSE 2429	Oracle Network Administration and Performance Tuning .....4
ITSE 2431	Advanced C++ Programming .....4
ITSE 2435	Advanced RPG Programming .....4
ITSE 2437	Assembly Language Programming .....4
ITSE 2439	Advanced Windows Programming Using C++ ..4
ITSE 2443	Advanced Windows Programming .....4
ITSE 2447	Advanced Database Programming .....4
ITSE 2449	Advanced Visual BASIC Programming .....4
ITSE 2451	Advanced COBOL Programming .....4
ITSE 2454	Advanced Oracle SQL .....4
ITSE 2455	Advanced C Programming .....4
ITSE 2456	Oracle Database Administration I .....4
ITSE 2457	Advanced Object-Oriented Programming ....4
ITSE 2458	Oracle Database Administration II .....4
ITSE 2459	Advanced Computer Programming .....4
INEW 2434	Advanced Web Page Programming .....4
INEW 2438	Advanced JAVA Programming .....4
BCIS 2431	Advanced Programming in Visual BASIC ....4
COSC 1437	Programming Fundamentals II .....4
COSC 2415	Advanced Computer Science and Programming .....4
COSC 2425	Computer Organization and Machine Language .....4
COSC 2430	Programming II .....4
COSC 2436	Programming Fundamentals III .....4
COSC 2437	Programming a Microsoft SQL Server Database .....4
IMED 2415	Web Page Design II4

List C - Operating System Courses

ITSC 1352	Solaris Operating Environment 8 Systems Administrations II (SA-288) .....3
ITSC 1354	Solaris Operating Environment 8 Systems Administrations II (SA-238) .....3
ITSC 1405	Introduction to PC Operating Systems .....4
ITSC 1407	UNIX Operating System I .....4
ITSC 1411	AS/400 Operating System I .....4
ITSC 1421	PC Operating Systems - Windows .....4
ITSC 1447	UNIX System Administration II .....4
ITSC 1452	Solaris Operating Environment 8 Systems Administrations II (SA-288) .....4
ITSC 1454	Solaris Operating Environment 8 Systems Administrations II (SA-238) .....4
ITSC 1458	UNIX System Administration I .....4
ITSC 2437	UNIX Operating System II .....4
ITSC 2442	AS/400 Operating System II .....4
ITMC 1441	Implementing Microsoft Windows Professional and Server .....4

ITMC	1442	Implementing Microsoft Windows Network Infrastructure	4
ITMC	1458	Supporting Microsoft Windows Client Network Operating Systems	4

List D - Application Development Courses

ITSW	1404	Introduction to Spreadsheets	4
ITSC	1413	Internet/Web Page Development	4
ITNW	1437	Introduction to the Internet	4
ITSE	2413	Web Authoring	4
ITSW	2437	Advanced Database	4
ITSE	2445	Data Structures	4
ARTC	1302	Digital Imaging I	3
ARTC	1391	Special Topics in Graphic Design, Commercial Art, and Illustration	3
ITSE	1356	Introduction to XML	3
ITSE	1359	Introduction to Scripting Languages	3

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

COMPUTER INFORMATION TECHNOLOGY — SOFTWARE PROGRAMMER/ DEVELOPER ASSISTANT

Effective June 1, 2004, this award has been deactivated for Richland College. For current students, the award will be closed on or before June 1, 2007. New students should not attempt to pursue this award.

Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake and Richland (see above)

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.SPD.ASST.04

This certificate option is designed to provide skills and knowledge in a primary programming language of choice, an operating system from the same platform, and database concepts. Graduates will be qualified to work as an assistant in a programming environment with data and coding.

Course(s) may be substituted for ITSC 1401, BCIS 1405 or COSC 1401 for those who demonstrate current computer literacy.

**CREDIT
HOURS**

SEMESTER I

ITSC 1401	Introduction to Computers OR	4
BCIS 1405	Business Computers Applications OR	(4)
COSC 1401	Microcomputer Concepts and Applications	(4)
ITSC 2435	Application Problem Solving	4
XXXX XXXX	Introductory Programming course-List A*	3-4
ITXX XXXX	Operating Systems course-List C	<u>3-4</u>
		14-16

SEMESTER II

ITSW 1407	Introduction to Database	4
XXXX XXXX	Advanced Programming Language course-List B**	3-4
ITSW 1410	Introduction to Presentation Graphics Software OR	4
Elective	Any ITCC, ITSC, ITSE, ITSW, ITNW, ITMC, INEW, ITSY, BCIS, COSC or CPMT course	<u>(3-4)</u>
		10-12

Minimum Hours Required24-28

*First in a two-course programming language series

List A - Introductory Programming Courses

ITSC	1413	Internet/Web Page Development	.4
ITSC	1329	Fundamental of Solaris 8 Operating Environment (SA-118)	.3
ITSC	1429	Fundamental of Solaris 8 Operating Environment (SA-118)	.4
ITSE	1345	Introduction to Oracle SQL	.3
ITSE	1402	Computer Programming	.4
ITSE	1407	Introduction to C++ Programming	.4
ITSE	1411	Web Page Programming	.4
ITSE	1414	Introduction to RPG Programming	.4
ITSE	1418	Introduction to COBOL Programming	.4
ITSE	1422	Introduction to C Programming	.4
ITSE	1431	Introduction to Visual BASIC Programming	.4
ITSE	1445	Introduction to Oracle SQL	.4
ITSE	1491	Special Topics in Computer Programming	.4
ITSE	2356	Oracle Database Administration I	.3
ITSE	2401	Windows Programming Using C++	.4
ITSE	2405	Windows Programming	.4
ITSE	2409	Database Programming	.4
ITSE	2413	Web Authoring	.4
ITSE	2417	JAVA Programming	.4
ITSE	2421	Object-Oriented Programming	.4
ITSE	2456	Oracle Database Administration I	.4
BCIS	1431	Programming in Visual Basic	.4
COSC	1415	Introduction to Computer Science and Programming	.4
COSC	1430	Programming I	.4
COSC	1436	Programming Fundamentals I	.4
COSC	1437	Programming Fundamentals II	.4
ITMC	1403	Querying Microsoft SQL Server with Transact-SQL	.4
ITMC	2403	Administering a Microsoft SQL Server Database	.4

**Second in a two-course programming language series

List B - Advanced Programming Language Courses

ITSC	1356	Shell Programming (SL 120)	.3
ITSC	1456	Shell Programming (SL 120)	.4
ITSE	1356	Introduction to XML	.3
ITSE	1491	Special Topics in Computer Programming	.4
ITSE	2354	Advanced Oracle PL/SQL	.3
ITSE	2356	Oracle Database Administration I	.3
ITSE	2358	Oracle Database Administration II	.3
ITSE	2402	Intermediate Web Programming	.4
ITSE	2409	Database Programming	.4
ITSE	2413	Web Authoring	.4
ITSE	2429	Oracle Network Administration and Performance Tuning	.4
ITSE	2431	Advanced C++ Programming	.4
ITSE	2435	Advanced RPG Programming	.4
ITSE	2443	Advanced Windows Programming	.4
ITSE	2447	Advanced Database Programming	.4
ITSE	2449	Advanced Visual BASIC Programming	.4
ITSE	2451	Advanced COBOL Programming	.4
ITSE	2454	Advanced Oracle SQL	.4
ITSE	2455	Advanced C Programming	.4
ITSE	2456	Oracle Database Administration I	.4
ITSE	2457	Advanced Object-Oriented Programming	.4
ITSE	2458	Oracle Database Administration II	.4
ITSE	2459	Advanced Computer Programming	.4
INEW	2434	Advanced Web Page Programming	.4
INEW	2438	Advanced JAVA Programming	.4
BCIS	2431	Advanced Programming in Visual Basic	.4
COSC	1437	Programming Fundamentals II	.4
COSC	2415	Advanced Computer Science and Programming	.4
COSC	2425	Computer Organization and Machine Language	.4

COSC	2430	Programming II	.4
COSC	2436	Programming Fundamentals III	.4
COSC	2437	Programming a Microsoft SQL Server Database	.4
IMED	2415	Web Page Design II	.4

List C - Operating System Courses

ITSC	1352	Solaris Operating Environment 8 Systems Administrations II (SA-288)	.3
ITSC	1354	Solaris Operating Environment 8 Systems Administrations (SA-238)	.3
ITSC	1405	Introduction to PC Operating Systems	.4
ITSC	1407	UNIX Operating System I	.4
ITSC	1411	AS/400 Operating System I	.4
ITSC	1421	PC Operating Systems - Windows	.4
ITSC	1447	UNIX System Administration II	.4
ITSC	1452	Solaris Operating Environment 8 Systems Administrations II (SA-288)	.4
ITSC	1454	Solaris Operating Environment 8 Systems Administrations (SA-238)	.4
ITSC	1458	UNIX System Administration I	.4
ITSC	2437	UNIX Operating System II	.4
ITSC	2442	AS/400 Operating System II	.4
ITMC	1419	Installing and Administering Microsoft Windows Server Operating Systems	.4
ITMC	1441	Implementing Microsoft Windows Professional and Server	.4
ITMC	1442	Implementing Microsoft Windows Network Infrastructure	.4
ITMC	1458	Supporting Microsoft Windows Client Network Operating Systems	.4

COMPUTER INFORMATION TECHNOLOGY — VISUAL STUDIO DEVELOPER

This award is pending Texas Higher Education Coordinating Board approval effective Summer 2004.

Cedar Valley, Eastfield, El Centro, Mountain View, North Lake and Richland only

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CIT.VISUAL.ST

This Certificate provides programmers with skills to evaluate Microsoft .NET tools and technologies, primarily Microsoft Visual Studio(r) .NET. The courses cover resources for creating applications, components, and services built on the .NET Framework.

Prerequisite: Prior programming language, preferably Visual Basic, C++, or C#.

	CREDIT HOURS
SEMESTER I	
ITSE 1431	Introduction to Visual BASIC Programming ¹ OR .....4
ITSE 2459	..... Advanced Computer Programming ² OR .....(4)
ITSE 1407	Introduction to C++ Programming ³ .....(4)
ITSE 1346	Database Theory and Design .....3
ITSE 2402	Intermediate Web Programming ⁴ .. .4
	11
SEMESTER II	
ITSE 1356	Introduction to XML .....3
ITSE 1402	Computer Programming ⁵ .....4
INEW 2430	Comprehensive Software Project I: Planning and Design ⁶ .....4
	11
Minimum Hours Required	.....22

¹Visual Basic.NET

²Visual C#.NET

³Visual C++

⁴ASP.NET

⁵ADO.NET

⁶Building Interactive Website with Database and Installation

COMPUTER INFORMATION TECHNOLOGY — WEB DEVELOPER SPECIALIST

Effective June 1, 2003, this award has been deactivated for El Centro College. For current students, the award will be closed on or before June 1, 2006. New students should not attempt to pursue this award.

Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View, North Lake and Richland (see above)

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C2.CIT.WEB.DEVEL.04

This certificate option trains the student to design and develop web pages and web business applications. It prepares the student to enter the workforce as a member of the company web development team for Internet/Intranet applications.

Prerequisite: Basic understanding of personal computer and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 or equivalent experience approved by designated Information Technology personnel.

CREDIT HOURS

SEMESTER I

ITSC 2435	Application Problem Solving	4
ITNW 1437	Introduction to the Internet	4
ITXX 14XX	Introductory Web Course - List A	4
ITNW 1421	Introduction to Networking	4
ENGL 1301	Composition I	3
		19

SEMESTER II

ITSE 1431	Introduction to Visual BASIC Programming	OR	4
ITSE 1407	Introduction to C++ Programming	..(4)	
ITSW 1407	Introduction to Database	4	
IXXX XXXX	Intermediate Web Course - List B	3-4	
ITSC 1405	Introduction to PC Operating Systems	OR	4
ITSC 1407	UNIX Operating Systems I	..(4)	
SPCH 1311	Introduction to Speech Communication	3	
			18-19

SEMESTER III

XXXX XXXX	Advanced Web Course - List C	3-4
XXXX XXXX	Web Elective - List D (2 courses)	6-8
ITSE 2417	JAVA Programming	4
IMED 2409	Internet Commerce	4
		17-20

Minimum Hours Required 54-58

List A

ITSC 1413	Internet/Web Page Development**	4
ITSE 1411	Web Page Programming**	4

List B

ITSE 2402	Intermediate Web Programming**	4
IMED 2415	Web Page Design II	4
ITSC 1413	Internet/Web Page Development**	4
ITSE 1356	Introduction to XML	3
ITSE 1359	Introduction to Scripting Languages**	3

List C

ITSE 2413	Web Authoring**	4
INEW 2434	Advanced Web Page Programming**	4
ITSC 1413	Internet/Web Page Development**	4
ITSE 2402	Intermediate Web Programming**	4
ITSE 1356	Introduction to XML	3

List D

ITNW 2454	Internet/Intranet Server	4
IMED 2349	Internet Communications	3
ITSE 1491	Special Topics in Computer Programming	4
ITSW 1410	Introduction to Presentation Graphics Software	4
INEW 2438	Advanced JAVA Programming	4
ITSE 2449	Advanced Visual BASIC Programming	4
ITSC 1413	Internet/Web Page Development**	4
ITSE 2402	Intermediate Web Programming**	4
ITSE 2413	Web Authoring**	4
INEW 2434	Advanced Web Page Programming**	4
ITSE 2431	Advanced C++ Programming	4
ARTC 1302	Digital Imaging I	3
ARTC 1391	Special Topics in Graphic Design, Commercial Art and Illustration	3
ITSE 1356	Introduction to XML	3
ITSE 1359	Introduction to Scripting Languages**	3

**Course may be repeated for credit when topics change.

CRIMINAL JUSTICE

Cedar Valley, Eastfield, and Mountain View only

(Associate in Applied Sciences Degree, Tech Prep Enhanced Skills Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.CRIMINAL.JUST.03

The curriculum is designed for those with Criminal Justice backgrounds as well as for recent high school graduates interested in preparing for employment in the fields of law enforcement, corrections, probation and parole or private security.

CREDIT HOURS

SEMESTER I

CRIJ 1310	Fundamentals of Criminal Law	.....3
CRIJ 1301	Introduction to Criminal Justice	.....3
ENGL 1301	Composition I	.....3
PSYC 2301	Introduction to Psychology	.....3
MATH 1314	College Algebra OR	.....3
MATH 1414	College Algebra	.....(4)
		15-16

SEMESTER II

CRIJ 1306	Court Systems and Practices	.....3
CRIJ 1307	Crime in America	.....3
ENGL 1302	Composition II	.....3
SPCH 1311	Introduction to Speech Communication	.....3
SOCI 1301	Introduction to Sociology	.....3
		15

SEMESTER III

+++Electives	.....	6-8
		6-8

SEMESTER IV

GOVT 2301	American Government	.....3
+Electives	Humanities /Fine Arts	.....3-4
++Electives	Required Support Courses	.....6-7
Elective	Any Non-Criminal Justice Course	.....3
		15-17

SEMESTER V

ITSC 1401	Introduction to Computers	.....4
+++Electives	Criminal Justice Elective	.....3-4
PSYC 2314	Developmental Psychology OR	.....3
SOCI 1306	Social Problems	.....(3)
++Electives	Required Support Courses	.....3-4
		13-15

Minimum Hours Required64-71

+Electives - must be selected from the following:

ARTS 1301	Art Appreciation	.....3
DRAM 1310	Introduction to the Theatre	.....3
ENGL	2000 Level Literature Course	.....3
Foreign Language or American Sign Language		.....4
HUMA 1301	Introduction to the Humanities	.....3
MUSI 1306	Music Appreciation	.....3
PHIL 1301	Introduction to Philosophy	.....3

++ Required Support Courses - must be chosen from the following. Students cannot take more than one cooperative education course during the same semester.

CRIJ 2314	Criminal Investigation	.....3
CRIJ 2323	Legal Aspects of Law Enforcement	.....3
CRIJ 2328	Police Systems and Practices	.....3
CJSA 1382	Cooperative Education-Criminal Justice Studies	3
CJSA 1482	Cooperative Education-Criminal Justice Studies	4
CJSA 2382	Cooperative Education-Criminal Justice Studies	3
CJSA 2482	Cooperative Education-Criminal Justice Studies	4

+++Criminal Justice Electives- must be chosen from the following:

CRIJ 1313	Juvenile Justice System	.....3
CRIJ 2313	Correctional Systems and Practices	.....3
CRIJ 2301	Community Resources in Corrections	.....3
SPAN 1411	Beginning Spanish*	.....4
SPAN 1412	Beginning Spanish*	.....4

*American Sign Language may not be substituted for this course.

The following courses are to be taken only after completing thirty semester hours of approved academic courses, to include fifteen hours of the transfer curriculum in Criminal Justice:

CJLE 2420	Texas Peace Officer Procedures	.....4
CJLE 2421	Texas Peace Officer Law	.....4
CJLE 2522	Texas Peace Officer Skills	.....5

A student enrolling in the Criminal Justice program must meet the Texas Commission on Law Enforcement Officer Standards and Education Requirements for minimum standards if you plan to seek employment in the law enforcement field. Licensing: (a) not currently on probation for any criminal offense; (b) not convicted of a Class B misdemeanor in the last six (6) months, or a Class A misdemeanor in the last twelve (12) months, or DWI or DWD in the last two (2) years; (c) never been convicted of a felony.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

TECH PREP ENHANCED SKILLS CERTIFICATES

These Enhanced Skills Certificates are attached to the Associate in Applied Sciences Degree in Criminal Justice and provide the student advanced skills required by the industry to specialize in Human Services or Law Enforcement.

HUMAN SERVICES

Eastfield and Mountain View only

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: ES.CRIJ.HUMSER.03

CREDIT HOURS

SEMESTER I

SCWK 2331	Abnormal Behavior	3
DAAC 1343	Current Issues	3
CJSA 2382	Cooperative Education-Criminal Justice Studies	3
SOCI 2319	Race, Ethnicity and Community	3
SOCI 2371	Urban Social Problems	3
		15

Minimum Hours Required 15

LAW ENFORCEMENT

Cedar Valley, Eastfield, and Mountain View only

(Students pursuing this certificate program are required to meet all TASP requirements.)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: ES.CRIJ.LAW.ENF.03

CREDIT HOURS

SEMESTER I

DAAC 1343	Current Issues	3
FIRT 1303	Fire and Arson Investigation I	3
SCWK 2331	Abnormal Behavior	3
CJSA 2382	Cooperative Education - Criminal Justice Studies	3
		12

Minimum Hours Required 12

This is a Tech Prep program. Students interested in pursuing the Tech Prep Enhanced Skills certificate need to consult with their advisor.

CRIMINAL JUSTICE

Cedar Valley, Eastfield, and Mountain View only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C2.CRIM.JUST.O3

This certificate is attached to the Associate in Applied Sciences Degree in Criminal Justice and provides the student the skills and academic requirements necessary to qualify for a law enforcement agency with a minimum 45 semester-hour requirement.

CREDIT HOURS

SEMESTER I

CRIJ 1310	Fundamentals of Criminal Law	3
CRIJ 1301	Introduction to Criminal Justice	3
ENGL 1301	Composition I	3
PSYC 2301	Introduction to Psychology	3
MATH 1314	College Algebra OR	3
MATH 1414	College Algebra	4
		15-16

SEMESTER II

CRIJ 1306	Court Systems and Practices	3
CRIJ 1307	Crime in America	3
CRIJ 2328	Police Systems and Practices	3
SPCH 1311	Introduction to Speech Communication	3
SOCI 1301	Introduction to Sociology	3
		15

SEMESTER III

CRIJ 2313	Correctional Systems and Practices	3
CRIJ 2314	Criminal Investigation	3
CRIJ 1313	Juvenile Justice System	3
PSYC 2314	Developmental Psychology	3
GOVT 2301	American Government	3
		15

Minimum Hours Required 45-46

CRIMINAL JUSTICE

Cedar Valley, Eastfield, and Mountain View only

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CRIM.JUST.03

This certificate is attached to the Associate in Applied Sciences Degree in Criminal Justice and provides the student the skills and academic requirements necessary to qualify for a law enforcement agency with a minimum 30 semester-hour requirement.

	CREDIT HOURS
SEMESTER I	
CRIJ 1310	Fundamentals of Criminal Law3
CRIJ 1301	Introduction to Criminal Justice3
ENGL 1301	Composition I3
	9
SEMESTER II	
CRIJ 1306	Court Systems and Practices3
CRIJ 1307	Crime in America3
SPCH 1311	Introduction to Speech Communication3
GOVT 2301	American Government3
	12
SEMESTER III	
CRIJ 2328	Police System and Practices3
PSYC 2301	Introduction to Psychology3
SOCI 1301	Introduction to Sociology3
	9
Minimum Hours Required	30

CRIMINAL JUSTICE—BASIC CRIMINAL JUSTICE

Cedar Valley, Eastfield, and Mountain View only

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.CRIJ.BASIC.CJ

This certificate is attached to the Associates in Applied Sciences Degree in Criminal Justice and the transfer Field of Study degree in Criminal Justice. It is designed for students who would like exposure to the basic elements of the criminal justice system but who also have the intent of transferring to a Baccalaureate degree-granting institution.

	CREDIT HOURS
SEMESTER I	
CRIJ 1310	Fundamentals of Criminal Law3
CRIJ 1301	Introduction to Criminal Justice3
	6
SEMESTER II	
CRIJ 1306	Court Systems and Practices3
CRIJ 2313	Correctional Systems and Practices .3
CRIJ 2328	Police Systems and Practices3
	9
Minimum Hours Required	15

ELECTRONIC COMMERCE

Brookhaven, Eastfield, Mountain View, North Lake and Richland only

(Associate in Applied Sciences Degree, Tech Prep)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.ELECT.COMM.03

The degree is designed to meet the needs of professionals in the rapidly changing world of Internet commerce. Electronic Commerce includes all aspects of business processes enabled by Internet technologies. The increasing volume of transactions that take place electronically is a revolution in business practices. This program introduces students to Electronic Commerce through marketing, management, communications, and Web site design and development. It is available on-campus or online. Most of the classes in this degree transfer to the University of Texas at Arlington's Web Design/E-Commerce Bachelor of Arts Degree in Interdisciplinary Studies.

CREDIT HOURS

SEMESTER I

BUSI 1301	Introduction to Business	3
ITSC 1401	Introduction to Computers OR	4
COSC 1401	Microcomputer Concepts and Applications OR	(4)
BCIS 1405	Business Computer Applications	(4)
ARTS 1301	Art Appreciation	3
ENGL 1301	Composition I	3
ITSC 1413	Internet/Web Page Development** OR	4
IMED 1316	Web Page Design I	(3)

16-17

SEMESTER II

MRKG 1311	Principles of Marketing OR	3
MRKG 2312	e-Commerce	(3)
MATH 2342	Introductory Statistics	3
ITSC 2435	Application Problem Solving	4
ENGL 1302	Composition II	3
SPCH 1311	Introduction to Speech Communications	3

16

SEMESTER III

BUSI 2301	Business Law	3
ENGL 2311	Technical Writing	3
ECON 2301	Principles of Economics I	3
ITSW 1407	Introduction to Database	4
ITNW 1321	Introduction to Networking	3

16

SEMESTER IV

IMED 2409	Internet Commerce	4
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Select either Technical Specialization **OR** Business Specialization:

TECHNICAL SPECIALIZATION***

IMED 2349	Internet Communications	3
ITSE 2417	JAVA Programming OR	4
ITSE 1407	Introduction to C++ Programming OR ..	(4)
ITSE 1431	Introduction to Visual BASIC Programming	(4)
IMED 2415	Web Page Design II	4
ITSE 2409	Introduction to Database Programming ..	4

19

BUSINESS SPECIALIZATION***

HRPO 2307	Organizational Behavior	3
ACCT 2301	Principles of Accounting I	3
BMGT 1303	Principles of Management OR	3
BUSG 1302	E-Business Management	(3)
BUSG 2309	Small Business Management OR	3
MRKG 2381	Cooperative Education - Business Marketing and Marketing Management	(3)

16

Technical Specialization:

Minimum Hours Required67-68

OR

Business Specialization:

Minimum Hours Required64-65

** Coppell ISD, Forney ISD, Garland ISD, Irving ISD and Richardson ISD use the Web Mastering course. Dallas ISD, Denton ISD and Irving ISD use the Business Image Management and Multimedia (BIMM) course.

*** Select EITHER Technical Specialization OR Business Specialization

ELECTRONIC COMMERCE— BUSINESS SPECIALIST

Brookhaven, Eastfield, Mountain View, North Lake and Richland only

(Certificate, Tech Prep)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.ELECOMM.BUS.SP.03

This certificate will provide education and training for individuals who would like to use the web to market and promote their products on the Internet. This program introduces students to Electronic Commerce through marketing, management, communications, and Web site design and development. It is available on-campus or online. Most of the classes in this certificate transfer to the University of Texas at Arlington's Web Design/E-Commerce Bachelor of Arts Degree in Interdisciplinary Studies.

	CREDIT HOURS
SEMESTER I	
BUSI 1301 Introduction to Business	3
ITSC 1401 Introduction to Computers OR	4
COSC 1401 Microcomputer Concepts and Applications OR	(4)
BCIS 1405 Business Computer Applications	(4)
ITSC 1413 Internet/Web Page Development* OR	4
IMED 1316 Web Page Design I	(3)
ECON 2301 Principles of Economics I	3
	13-14
SEMESTER II	
MRKG 1311 Principles of Marketing OR	3
MRKG 2312 e-Commerce	(3)
IMED 2409 Internet Commerce	4
BUSG 2309 Small Business Management OR	3
BUSG 1302 E-Business Management	(3)
	10

Minimum Hours Required 23-24

* Coppell ISD, Forney ISD, Garland ISD, Irving ISD and Richardson ISD use the Web Mastering course. Dallas ISD, Denton ISD and Irving ISD use the Business Image Management and Multimedia (BIMM) course.

ELECTRONIC COMMERCE— TECHNOLOGY SPECIALIST

Brookhaven, Eastfield, Mountain View and North Lake only

(Certificate, Tech Prep)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.ELEC.COMM.SPEC.03

This certificate will provide education and training for individuals who would like to explore the technical aspects of using the web for promoting and marketing their products. This program introduces students to Electronic Commerce by evaluating current technological advancements, system integration techniques, and web site design and development. It is available on-campus or online. Most of the classes in this certificate transfer to the University of Texas at Arlington's Web Design/E-Commerce Bachelor of Arts Degree in Interdisciplinary Studies.

	CREDIT HOURS
SEMESTER I	
ITSC 1401 Introduction to Computers OR	4
COSC 1401 Microcomputer Concepts and Applications OR	(4)
BCIS 1405 Business Computer Applications	(4)
ITSC 1413 Internet/Web Page Development* OR	4
IMED 1316 Web Page Design I	(3)
	7-8
SEMESTER II	
IMED 2415 Web Page Design II	4
IMED 2409 Internet Commerce	4
ITSE 2417 JAVA Programming OR	4
ITSC 1407 UNIX Operating System I OR	(4)
ITSE 1431 Introduction to Visual BASIC Programming	(4)
	12

Minimum Hours Required 19-20

* Coppell ISD, Forney ISD, Garland ISD, Irving ISD and Richardson ISD use the Web Mastering course. Dallas ISD, Denton ISD and Irving ISD use the Business Image Management and Multimedia (BIMM) course.

ELECTRONICS TECHNOLOGY

Mountain View and North Lake only

(Associate in Applied Sciences Degree, Tech Prep Enhanced Skills Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.ELECTRONICS.TECH

This program prepares students for entry-level electronic technician positions by providing training in digital and analog theory and practical skills.

CREDIT HOURS

SEMESTER I

CETT 1403	DC Circuits	4
ENGL 1301	Composition I	3
TECM 1341	Technical Algebra OR	3
MATH 1314	College Algebra OR	(3)
MATH 1414	College Algebra	(4)
+Elective	Humanities/ Fine Arts	1-3
++Elective	Social/Behavioral Science	3
		14-17

SEMESTER II

CETT 1405	AC Circuits	4
CETT 1429	Solid State Devices	4
INTC 1307	Electronic Test Equipment	3
SPCH 1311	Introduction to Speech Communication	3
PHYS 1405	Concepts in Physics OR	4
PHYS 1407	Concepts in Physics	(4)
		18

SEMESTER III

CETT 1449	Digital Systems	4
CPMT 1403	Introduction to Computer Technology	4
+++Electives	Technical	8
		16

SEMESTER IV

CETT 2433	Digital Computer Circuits	4
+++Electives	Technical	10
++++Electives		3-4
		17-18

Minimum Hours Required 65-69

+Elective must be selected from the following:
Any ARTS, HUMA, MUSI, or PHIL course.

++ Elective must be selected from the following:
Any GOVT, HDEV, HIST or PSYC course

+++ Electives - Technical electives must be selected from the following with the approval of an Electronics Technology professor:

AVNC 1303	Introduction to Aircraft Electronic Systems	3
AVNC 1443	Aircraft Electrical and Electronic Systems Installation	4
AVNC 1453	Operational Testing of Aircraft Electronic Systems	4
CETT 1457	Linear Integrated Circuits	4
CETT 2443	Principles of Color Television	4
CETT 2449	Research and Project Design	4
CPMT 1447	Computer System Peripherals	4
CPMT 1449	Computer Networking Technology	4
CPMT 2437	Microcomputer Interfacing	4
CPMT 2445	Computer System Troubleshooting	4
EECT 1191	Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	1
EECT 1291	Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	2
EECT 1391	Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	3
EECT 1440	Telecommunications Transmission Media	4
EECT 1491	Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	4
EECT 2380	Cooperative Education - Electrical, Electronic and Communications Engineering Technology/Technician	3
EECT 2439	Communications Circuits	4
ELMT 2433	Industrial Electronics	4
HYDR 1445	Hydraulics and Pneumatics	4
ITCC 1402	Local Area Networks Design and Protocols: Cisco 1	4
ITCC 1406	Basic Router Configuration: Cisco 2	4
ITCC 1442	Local Area Management (LAN): Cisco 3	4
ITCC 1446	Wide Area Management (WAN): Cisco 4	4
ITMC 1401	Microsoft Windows 2000 Network and Operating Systems Essentials (MS 2151)	4
ITMC 1419	Installing and Administering Windows 2000	4
ITMC 1442	Implementing a Microsoft Windows 2000 Network Infrastructure (MS 2153)	4
ITMC 1443	Implementing and Administering Microsoft Windows 2000 Directory Services (MS 2154)	4
ITMC 1458	Supporting Microsoft Windows 2000	4
ITMC 2431	Designing a Microsoft Windows 2000 Directory Services Infrastructure (MS 1561)	4
LOTT 2340	Microwave Fundamentals	3
RBTC 2445	Robot Application, Set-up and Testing	4

++++ Electives- Technical electives must be selected from the following with the approval of an Electronics Technology professor and must be a separate course than those chosen to meet the +++Elective:

CETT 2449	Research and Project Design	4
CPMT 2437	Microcomputer Interfacing	4
EECT 1391	Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician	3
EECT 1491	Special Topics in Electrical, Electronic and Communications Engineering/ Technology/Technician	4
EECT 2380	Cooperative Education - Electrical, Electronic and Communications Engineering Technology/Technician	3
RBTC 2445	Robot Application, Set-up and Testing	4

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

TECH PREP ENHANCED SKILLS CERTIFICATES

These Enhanced Skills Certificates are attached to the Associate in Applied Sciences Degree in Electronics Technology and provide the student advanced skills required by the industry to specialize in Automated Manufacturing or Computer Maintenance.

AUTOMATED MANUFACTURING

Effective January 1, 2004, this award has been deactivated for North Lake. For current students, the award will be closed on or before January 1, 2007. New students should not attempt to pursue this award.

Mountain View and North Lake (see above) only

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: ES.ELET.AUTOMATED.04

	CREDIT HOURS
SEMESTER I	
HYDR 1445 Hydraulics and Pneumatics .....	.4
ELMT 2433 Industrial Electronics .....	.4
RBTC 2445 Robot Application, Set-Up and Testing .....	.4
	12

Minimum Hours Required12

COMPUTER MAINTENANCE

Effective January 1, 2004, this award has been deactivated for North Lake. For current students, the award will be closed on or before January 1, 2007. New students should not attempt to pursue this award.

Mountain View and North Lake (see above) only

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: ES.ELET.COMP.MAIN.04

	CREDIT HOURS
SEMESTER I	
CPMT 1447 Computer System Peripherals .....	.4
CPMT 1449 Computer Networking Technology ..	.4
CPMT 2445 Computer System Troubleshooting ..	.4
	12

Minimum Hours Required12

This is a Tech-Prep program. Students interested in pursuing the Tech Prep Enhanced Skills Certificate need to consult with their advisor.

ELECTRONICS TECHNOLOGY — NETWORKING SPECIALIST

Mountain View only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.ELEC.NWK.SPEC

This certificate is designed to prepare students for an entry level position in the networking or telecommunications industries. Course options will be typically selected either in the Microsoft MCSE or Cisco CCNA certification areas. All of the courses in the certificate are applicable to the Associate in Applied Sciences degree in Electronics Technology.

	CREDIT HOURS
SEMESTER I	
ITMC 1419 Installing and Administering Windows 2000 OR	4
ITCC 1402 Local Area Networks Design and Protocols: Cisco 1	(4)
ITMC 1458 Supporting Microsoft Windows 2000 OR	4
ITCC 1406 Basic Router Configuration: Cisco 2(4)	(4)
EECT 1440 Telecommunications Transmission Media	4
	12
SEMESTER II	
ITMC 1443 Implementing and Administering Microsoft Windows 2000 Directory Services OR	4
ITCC 1442 Local Area Management (LAN) Cisco 3	(4)
ITNW 2452 Administering Microsoft SQL Server 7.0 OR	4
ITCC 1446 Wide Area Management (WAN): Cisco 4	(4)
	8
Minimum Hours Required	20

ELECTRONICS TECHNOLOGY — TECHNICAL PLATFORM

Mountain View only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.ELEC.TECH.PLAT

This certificate is designed to prepare students for an entry or intern level position in the electronics manufacturing or service industry. All of the courses in the certificate are applicable to the Associate in Applied Sciences degree in Electronics Technology.

	CREDIT HOURS
SEMESTER I	
CETT 1403 DC Circuits	4
CPMT 1403 Introduction to Computer Technology	4
	8
SEMESTER II	
CETT 1405 AC Circuits	4
CETT 1429 Solid State Devices	4
	8
Minimum Hours Required	16

ELECTRONICS TECHNOLOGY — SEMICONDUCTOR MANUFACTURING TECHNOLOGY

Mountain View and North Lake only

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.ELET.SEMI

This program prepares the student to perform the technical tasks within a wafer fabrication area and includes monitoring process output /parameters, analyzing and troubleshooting process related problems, analyzing various chemical reactions, and making decisions which will improve yield of various wafer lots. The course of study may involve participating in wafer experiments or designing of experiments to find the source of process problems or measurement of process limits. Emphasis is placed on working closely with all members of the semiconductor manufacturing team.

CREDIT HOURS

SEMESTER I

CETT 1403	DC Circuits	4
ENGL 1301	Composition I	3
TECM 1341	Technical Algebra OR	
MATH 1314	College Algebra OR	3
MATH 1414	College Algebra	(4)
HYDR 1445	Hydraulics and Pneumatics	4
		14-15

SEMESTER II

CETT 1405	AC Circuits	4
CETT 1429	Solid State Devices	4
RBTC 2445	Robot Application, Set-Up and Testing	4
CHEM 1405	Introductory Chemistry I OR	
CHEM 1411	General Chemistry	4
+Elective	Humanities/Fine Arts	3
		19

SEMESTER III

CETT 1425	Digital Fundamentals OR	
CPMT 1403	Introduction to Computer Technology	4
CETT 1457	Linear Integrated Circuits	4
SMFT 1343	Semiconductor Manufacturing Technology I	3
CHEM 1407	Introductory Chemistry II OR	
CHEM 1412	General Chemistry OR	
PHYS 1415	Physical Science OR	
PHYS 1405	Concepts in Physics	4
		15

SEMESTER IV

ELMT 2433	Industrial Electronics	4
SMFT 2231	RF Power Systems	2
QCTC 1343	Quality Assurance	3
SMFT 2343	Semiconductor Manufacturing Technology II OR	
CETT 2380	Cooperative Education - Computer Engineering Technology/ Technician	3
SPCH 1311	Introduction to Speech Communication	3
++Elective	Social/Behavioral Science	3
		18

Minimum Hours Required66-67

+Elective - must be selected from the following:

Any ARTS, HUMA, MUSI or PHIL course.

++Elective - must be selected from the following:

Any GOVT, HDEV, HIST or PSYC course.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

HEALTH INFORMATION MANAGEMENT

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

Mountain View (see above) only

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.HEALTH.MANAGE

Medical Records Technicians are responsible for maintaining components of health information systems consistent with the medical, administrative, ethical, legal, accreditation, and regulatory requirements of the health care delivery system. Medical Records Technicians possess the technical knowledge and skills necessary to process, maintain, compile and report health information data for reimbursement, facility planning, marketing, risk management, utilization management, quality assessment and research; abstract and code clinical data using appropriate classification systems; and analyze health records according to standards. The medical record technician may be responsible for functional supervision of the various components of the health information system.

CREDIT HOURS

SEMESTER I

ENGL 1301	Composition I	3
MATH 1314	College Algebra	3
SCIT 1407	Human Anatomy and Physiology I	
	OR	4
BIOL 2401	Anatomy and Physiology I #	(4)
HITT 1205	Medical Terminology	2
ITSC 1401	Introduction to Computers	4
		16

SEMESTER II

SCIT 1408	Human Anatomy and Physiology II	
	OR	4
BIOL 2402	Anatomy and Physiology II #	(4)
BMGT 1303	Principles of Management	3
HITT 1401	Health Data Content and Structure	4
HITT 2231	Medical Terminology-Advanced	2
POFI 1345	Integrated Software Applications II	3
		16

SEMESTER III

HITT 1345	Health Care Delivery Systems	3
HITT 1160	Clinical - Health Information Technology/Technician	1
HITT 1249	Pharmacology	2
MDCA 1302	Human Disease/Pathophysiology	3
+Elective	Humanities/Fine Arts	3
SPCH 1311	Introduction to Speech Communication	3
		15

SEMESTER IV

PSYC 2302	Applied Psychology	3
HITT 2239	Health Information Organization and Supervision	2
HITT 1441	Coding and Classification Systems	4
HITT 2343	Quality Assessment and Performance Improvement	3
HITT 1255	Health Care Statistics	2
HITT 1253	Legal and Ethical Aspects of Health Information	2
		16

SEMESTER V

HITT 2160	Clinical - Health Information Technology/Technician	1
		1

SEMESTER VI

HITT 2335	Coding and Reimbursement Methodologies	3
		3

SEMESTER VII

HITT 1161	Clinical - Health Information Technology/Technician	1
		1

Minimum Hours Required .68

+Elective may be selected from the following:

ARTS 1301	Art Appreciation	3
DRAM 1310	Introduction to the Theatre	3
HUMA 1301	Introduction to Humanities	3
MUSI 1306	Music Appreciation	3
PHIL 1301	Introduction to Philosophy	3
Foreign Language		4

#BIOL 1406 General Biology and BIOL 1407 General Biology are prerequisites to BIOL 2401.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

HEALTH INFORMATION MANAGEMENT MEDICAL RECORD CODER

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

Mountain View (see above) only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: CERT.HIMT.CODING

A Medical Records Coding Specialist assigns and sequences diseases and procedures with set classification standards and codes (ICD-9-CM, CPT, and HCFA). Responsibilities include the abstracting of medical information from outpatient and inpatient commercial, day surgery, emergency room, clinic and gastroenterology, medical records for statistical research and study purposes, and audits of unbilled accounts reports. The skills required for successful performance of this job include a working knowledge of human anatomy and physiology, medical terminology, the disease process, organization and communication skills.

CREDIT HOURS

SEMESTER I

ENGL 1301	Composition I	3
SPCH 1311	Introduction to Speech Communication	3
ITSC 1401	Introduction to Computers	4
SCIT 1407	Human Anatomy and Physiology I OR	4
BIOL 2401	Anatomy and Physiology I #	(4)
HITT 1205	Medical Terminology	2
		16

SEMESTER II

SCIT 1408	Human Anatomy and Physiology II OR	4
BIOL 2402	Anatomy and Physiology II	(4)
MDCA 1302	Human Disease/Pathophysiology	3
HITT 1401	Health Data Content and Structure	4
HITT 1441	Coding and Classification Systems	4
HITT 2231	Medical Terminology-Advanced	2
		17

SEMESTER III

HITT 1160	Clinical - Health Information Technology/Technician	1
		1

SEMESTER IV

HITT 2335	Coding and Reimbursement Methodologies	3
		3

SEMESTER V

HITT 1161	Clinical - Health Information Technology/Technician	1
		1

Minimum Hours Required 38

#BIOL 1406 General Biology and BIOL 1407 General Biology are prerequisites to BIOL 2401.

MANAGEMENT

Offered at all seven campuses

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.MANAGEMENT

The Management Program provides an opportunity for students to acquire knowledge in the management field and at the same time update and sharpen personal management skills. In addition to learning about supervision, personnel management, human relations psychology, problem-solving, decision-making, and other related business topics, students also participate in on-the-job management-training courses with their present employers. These management training courses at work allow students to apply what is learned in the classroom environment and obtain the valuable practical experience necessary to become competent business managers. The Management Program allows students the opportunity to bridge the gap between theory and practice as professional managers. This degree program provides an external learning experience and/or capstone experience.

CREDIT
HOURS

SEMESTER I

BMGT 1301	Supervision	3
BMGT 1382	Cooperative Education-Business Administration and Management, General	3
BMGT 1303	Principles of Management	3
BUSI 1301	Introduction to Business	3
ENGL 1301	Composition I	3
		15

SEMESTER II

HRPO 2301	Human Resources Management ..	3
BMGT 1383	Cooperative Education-Business Administration and Management, General	3
ITSC 1401	Introduction to Computers	4
ENGL 1302	Composition II	3
+MATH	OR	3-5
POFT 1321	Business Math AND	(3)
++Elective	Natural Science	(4)
		16-20

SEMESTER III

HRPO 2307	Organizational Behavior	3
BMGT 2382	Cooperative Education-Business Administration and Management, General	3
ACCT 2301	Principles of Accounting I * OR	3
ACCT 2401	Principles of Accounting I *	(4)
ECON 2301	Principles of Economics I OR	3
ECON 1303	Economics of Contemporary Social Issues	(3)
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking	(3)
		15-16

SEMESTER IV

BMGT 2303	Problem Solving and Decision Making	3
BMGT 2383	Cooperative Education-Business Administration and Management, General	3
+++Elective	Humanities/Fine Arts	3
++++Elective	.....	3
++++Elective	.....	3
		15

Minimum Hours Required61-66

+MATH - Students must select a Mathematics course from the DCCCD Mathematics/Sciences CORE list.

++Elective - Students must select a course in Biology (BIOL), Chemistry (CHEM), Ecology (ECOL), or Physics (PHYS) from the DCCCD Lab Science CORE list.

+++Elective - Students must select a course from the DCCCD Humanities/Fine Arts CORE list.

++++ Elective - Students must take 6 hours of any college level courses to satisfy these electives.

*Students may substitute ACNT 1303 Introduction to Accounting I and ACNT 1304 Introduction to Accounting II. Only three hours may be applied to the required number of hours for granting the degree.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

MANAGEMENT

Offered at all seven campuses

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.MANAGEMENT

The Management degree is a transfer degree for working students that permits them to earn a business related degree in the shortest amount of on-campus time. This degree provides the foundation courses needed for a bachelor degree in the various business disciplines offered by many universities.

Students learn practical management skills which have immediate applicability in the business world. They also learn theoretical concepts which support these skills. These skills enhance their visibility on the job as professional managers.

A significant and unique benefit of the Management degree is experienced by participating in the Management cooperative work experience classes. These classes allow students to earn 12 of the total required credit hours by applying practical management concepts to their present jobs. During this educational process faculty provide continuous, individualized career and academic guidance to students. Students attend core courses once a week.

The Management degree effectively bridges the gap between management theory and management practice. It is designed to be a benefit to the new manager, the seasoned manager and the aspiring manager.

CREDIT HOURS

SEMESTER I

BMGT 1301	Supervision	3
BMGT 1382	Cooperative Education-Business Administration and Management, General	3
BMGT 1303	Principles of Management	3
BUSI 1301	Introduction to Business	3
ENGL 1301	Composition I	3
		15

SEMESTER II

HRPO 2301	Human Resources Management	3
BMGT 1383	Cooperative Education-Business Administration and Management, General	3
ITSC 1401	Introduction to Computers	4
ENGL 1302	Composition II	3
+MATH	OR	3-4

POFT 1321	Business Math AND	3
++Elective	Natural Science	3-4
		16-20

SEMESTER III

HRPO 2307	Organizational Behavior	3
BMGT 2382	Cooperative Education-Business Administration and Management, General	3
ACCT 2301	Principles of Accounting I * OR	3
ACCT 2401	Principles of Accounting I *	4
ECON 2301	Principles of Economics I OR	3
ECON 1303	Economics of Contemporary Social Issues	3
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking	3
		15-16

SEMESTER IV

BMGT 2303	Problem Solving and Decision Making	3
BMGT 2383	Cooperative Education-Business Administration and Management, General	3
+++Elective	Humanities/Fine Arts	3
++++Elective		3
++++Elective		3
		15

Minimum Hours Required .61-66

+MATH - Students must select a Mathematics course from the DCCCD Mathematics/Sciences CORE list.

++Elective - Students must select a course in Biology (BIOL), Chemistry (CHEM), Ecology (ECOL), or Physics (PHYS) from the DCCCD Lab Science CORE list.

+++Elective - Students must select a course from the DCCCD Humanities/Fine Arts CORE list.

++++ Elective - Students must take 6 hours of any college level courses to satisfy these electives.

*Students may substitute ACNT 1303 Introduction to Accounting I and ACNT 1304 Introduction to Accounting II. Only three hours may be applied to the required number of hours for granting the degree.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

MANAGEMENT

Offered at all seven campuses

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: CERT.MGMT.MANAGEMENT

The Management program is designed to develop the fundamental skills, knowledge, attitudes and experiences which enable men and women to function in leadership and decision-making positions as managers. Students combine management classes and on-the-job management training with their present employers. All of the courses for this certificate are applicable to the Management associate degree option. This certificate program provides an external learning experience and/or capstone experience.

SEMESTER I

BMGT 1301	Supervision	3
BMGT 1382	Cooperative Education-Business Administration and Management, General	3
ENGL 1301	Composition I	3
		9

SEMESTER II

HRPO 2301	Human Resources Management	3
BMGT 1383	Cooperative Education-Business Administration and Management, General	3
		6

SEMESTER III

HRPO 2307	Organizational Behavior	3
BMGT 2382	Cooperative Education-Business Administration and Management, General	3
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking (3)	3
		9

SEMESTER IV

BMGT 2303	Problem Solving and Decision Making	3
BMGT 2383	Cooperative Education-Business Administration and Management, General	3
		6

Minimum Hours Required30

MANAGEMENT — SUPERVISOR

Cedar Valley, Eastfield, Mountain View, North Lake and Richland only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.MGMT.SUPVSR.04

This certificate program prepares students for entry-level supervisory positions in business.

CREDIT
HOURS

SEMESTER I

BUSI 1301	Introduction to Business	3
BMGT 1303	Principles of Management	3
ITSC 1401	Introduction to Computers OR	4
ITSC 1413	Internet/Web Page Development	4
		10

SEMESTER II

BMGT 1301	Supervision	3
BMGT 1382	Cooperative Education-Business Administration and Management, General	3
		6

Minimum Hours Required16

MEDICAL ASSISTING

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

El Centro and Mountain View (see above) only

(Certificate)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.MEDA.ASST.03

This 12-month program is designed to prepare individuals to perform the duties of a medical assistant who can function in an acute care clinical setting or physician's office in the areas of: medical office administration, clinical lab procedures, and examining room assisting. The student may elect to complete the program either as a block CEU program or as a credit certificate program. The medical assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) on recommendation of the Committee on Accreditation for Medical Assistant Education.*

*aka Curriculum Review Board of the American Association of Medical Assistant's Endowment (AAMAE).

CREDIT HOURS

SEMESTER I

MDCA 1313	Medical Terminology	3
MDCA 1201	Human Disease/Pathophysiology . . .	2
MDCA 1205	Medical Law and Ethics	2
ENGL 1301	Composition I	3
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking . . .	(3)
		13

SEMESTER II

MDCA 1443	Medical Insurance	4
MDCA 1421	Administrative Procedures	4
MRMT 1211	Computers in Health Care	2
MRMT 1192	Special Topics in Medical Transcription	1
MDCA 1247	Pharmacology and Administration of Medications	2
		13

SEMESTER III

MDCA 1216	Procedures in a Clinical Setting	2
MDCA 1217	Procedures in a Clinical Setting	2
MDCA 1251	Medical Assistant Laboratory Procedures	2
MDCA 2361	Clinical - Medical/Clinical Assistant . .	3
		9

Minimum Hours Required35

OFFICE TECHNOLOGY ADMINISTRATIVE SUPPORT

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View (see above), North Lake and Richland

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C2.OFCT.ADM.SUPPT.04

The Administrative Support Certificate prepares students for a successful career as an office professional. The Certificate is developed to the specifications of the local job market.

	CREDIT HOURS
SEMESTER I	
POFI 1301 Computer Applications I .....	.3
POFT 1301 Business English .....	.3
POFT 1329 Keyboarding and Document Formatting OR .....	.3
POFT 2301 Document Formatting and Skillbuilding	(3)
POFI 2301 Word Processing .....	.3
SPCH 1311 Introduction to Speech Communication OR .....	.3
SPCH 1315 Fundamentals of Public Speaking	(3)
	15
SEMESTER II	
POFT 1309 Administrative Office Procedures I OR .....	.3
POFT 1313 Professional Development for Office Personnel	(3)
POFI 1349 Spreadsheets .....	.3
POFI 1341 Computer Applications II OR .....	.3
POFI 2340 Advanced Word Processing	(3)
ENGL 1301 Composition I .....	.3
POFT 1325 Business Math and Machine Applications OR .....	.3
POFT 1321 Business Math	(3)
	15

SEMESTER III	
POFT 2312 Business Correspondence and Communication .....	.3
POFT 1313 Professional Development for Office Personnel OR .....	.3
POFT 1380 Cooperative Education-Administrative Assistant/Secretarial Science, General	(3)
POFI 1441 Computer Applications II OR .....	.4
ITSW 1407 Introduction to Database OR	(4)
POFT 1319 Records and Information Management I	(3)
POFI 2331 Desktop Publishing for the Office OR .....	.3
POFI 2340 Advanced Word Processing	(3)
+Electives	1-4
	13-17

Minimum Hours Required43-47

+Electives: Any 1-4 credit hour POFI, POFT, ITSC, ITSW, ITSE, ITNW, ITMC, ITCC, INEW or ITSY course.

OFFICE TECHNOLOGY — EXECUTIVE ASSISTANT

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View (see above), North Lake and Richland

(Associate in Applied Sciences Degree, Tech Prep)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.OFCT.EXEC.AST.04

The Associate in Applied Sciences Degree comprehensive curriculum is designed as an advanced level program to prepare students for executive assistant and computer support positions in an office environment. Students will use state-of-the-art technology to develop skills necessary to become a productive member of the business community. Topics include office management, human relations, records management, oral and written business communications, plus word processing, spreadsheets, database, presentation, and telecommunication applications.

CREDIT HOURS

SEMESTER I

POFI 1301	Computer Applications I	3
POFT 1301	Business English	3
POFT 1329	Keyboarding and Document Formatting OR	3
POFT 2301	Document Formatting and Skillbuilding	(3)
POFT 1328	Business and Professional Presentations	3
SPCH 1311	Introduction to Speech Communication OR	3
SPCH 1315	Fundamentals of Public Speaking	(3)
		15

SEMESTER II

POFT 1309	Administrative Office Procedures I OR	3
POFT 1313	Professional Development for Office Personnel	(3)
POFI 2301	Word Processing	3
ENGL1301	Composition I	3
POFT 1321	Business Math AND	3
+Elective	Natural Science	3-4
		15-16

SEMESTER III

POFT 2312	Business Correspondence and Communication	3
POFI 1349	Spreadsheets	3
POFT 1319	Records and Information Management I	3
POFI 1341	Computer Applications II OR	3
POFI 2340	Advanced Word Processing	(3)
++Elective		3-4
+++Elective	Humanities/Fine Arts	3
		18-19

SEMESTER IV

POFI 2331	Desktop Publishing for the Office OR	3
POFI 2340	Advanced Word Processing #	(3)
POFI 1441	Computer Applications II # # OR	4
ITSW 1407	Introduction to Database	(4)
POFT 1380	Cooperative Education-Administrative Assistant/Secretarial Science, General	3
++++Elective	Social/Behavioral Science	3
		13

Minimum Hours Required61-63

+Elective - One of the following Natural Science courses must be taken:

ECOL 1305	People and Their Environment	3
BIOL 1406	Biology for Science Majors I	4
BIOL 1408	Biology for Non-Science Majors I	4
BIOL 1409	Biology for Non-Science Majors II	4
GEOL 1403	Physical Geology	4
PHYS 1311	Descriptive Astronomy	3
PHYS 1401	Introductory General Physics	4
PHYS 1415	Physical Science	4

++Elective - Any 3 or 4 credit hour POFI, POFT, ACCT, ACNT, ITSC, ITSW, ITSE, ITNW, ITMC, ITCC, INEW, or ITSY course.

+++ Humanities/Fine Arts elective - must be selected from the DCCCD Humanities/Fine Arts Core list.

++++Social/Behavioral Science elective - must be selected from the DCCCD Social/Behavioral Science Core list.

Any student selecting POFI 2340 Advanced Word Processing in both Semester III and Semester IV must select two separate applications to have each course count as meeting the requirement.

Any student selecting POFI 1341 Computer Applications II and POFI 1441 Computer Applications II must select two separate applications to have each course count as meeting the requirement.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

**OFFICE TECHNOLOGY —
EXECUTIVE ASSISTANT -
TECH PREP NAVY YEOMAN**

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. Effective January 1, 2004, this award has been deactivated for North Lake College. For current students, the award will be closed on or before January 1, 2007. Effective June 1, 2004, this award has been deactivated for Eastfield College. For current students, the award will be closed on or before June 1, 2007. New students should not attempt to pursue this award.

Brookhaven, Eastfield (see above), El Centro, Mountain View (see above), North Lake (see above) and Richland

(Associate in Applied Sciences Degree, Tech Prep)

- **Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.**
- **Students must complete 25% of the degree requirements at the college awarding the degree.**

Degree Plan Code: AAS.OFCT.NAVY.6/04

The DCCCD Navy Yeoman Option is developed in agreement with the United States Navy. This program is designed for Navy recruits only and incorporates the certificate programs leading to the Associate in Applied Sciences Degree in the Tech Prep Office Technology program. Each certificate serves as an exit point or as an incentive to continue to build promotion points and credentials while pursuing the Associate in Applied Sciences Degree during Navy training.

Exit Points:

Following the exit points within the curriculum pattern the student may:

1. Choose to enlist in the Navy September 1 after high school graduation. By completing all the tech prep high school courses and the courses listed in Summer I and II, the student will also graduate from one of the DCCCD Colleges with an Office Assistant Certificate.
2. Choose to continue during the Fall semester at the DCCCD college and defer enlistment in the Navy until January 1. This recruit will earn both the Office Assistant Certificate and the Software Application Specialist Certificate.

3. Choose to continue in the Spring semester at the DCCCD college and enlist in the Navy June 1, one year after high school graduation. This recruit will earn the Office Assistant Certificate, the Software Application Specialist Certificate and the Administrative Support Certificate. After the specialized Navy training, the yeoman will qualify for the AAS degree.

	CREDIT HOURS
SEMESTER I	
POFT 1301	Business English .....3
POFT 1328	Business and Professional Presentations .....3
SPCH 1311	Introduction to Speech Communication .....3
ENGL1301	Composition I .....3
POFI 2301	Word Processing .....3
POFI 1301	Computer Applications I .....3
POFT 1309	Administrative Office Procedures ...3
ACNT 1303	Introduction to Accounting I .....3
	24
SEMESTER II	
POFT 2301	Document Formatting and Skillbuilding .....3
POFI 1349	Spreadsheets .....3
ITSW 1407	Introduction to Database .....4
POFI 1341	Computer Applications II .....3
POFI 2331	Desktop Publishing for the Office ...3
	16
SEMESTER III	
POFT 2312	Business Correspondence and Communication .....3
POFT 1313	Professional Development for Office Personnel .....3
+++Elective	Social/Behavioral Science .....3
++Elective	Humanities/Fine Arts .....3
	12
SEMESTER IV - Navy Recruit Training	
POFT 1319	Records and Information Management I .....3
POFT 1349	Administrative Office Procedures II .3
+Elective	Natural Science .....3-4
POFT 1380	Cooperative Education-Administrative Assistant/Secretarial Science, General .....3
POFT 2380	Cooperative Education-Administrative Assistant/Secretarial Science, General .....3
	15-16
Minimum Hours Required .....67-68	

(continued on next page)

+Elective: One of the following Natural Science courses may be taken:

ECOL 1305	People and Their Environment . . . . .	.3
BIOL 1406	Biology for Science Majors I . . . . .	.4
BIOL 1408	Biology for Non-Science Majors I . . . . .	.4
BIOL 1409	Biology for Non-Science Majors II . . . . .	.4
GEOL 1403	Physical Geology . . . . .	.4
PHYS 1311	Descriptive Astronomy . . . . .	.3
PHYS 1401	Introductory General Physics . . . . .	.4
PHYS 1415	Physical Science . . . . .	.4

++Humanities/Fine Arts elective - must be selected from the DCCCD Humanities/Fine Arts Core list.

+++Social/Behavioral Science elective - must be selected from the DCCCD Social/Behavioral Core list.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

OFFICE TECHNOLOGY — OFFICE ASSISTANT

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View (see above), North Lake and Richland

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.OFCT.OFF.ASST.04

Upon satisfactory completion of the Office Assistant Certificate, students are prepared for entry-level positions requiring basic office skills. This certificate may be completed in one semester.

		CREDIT HOURS
SEMESTER I		
POFI 1301	Computer Applications I OR	.....3
POFT 1319	Records and Information Management I	.....(3)
POFT 1301	Business English	.....3
POFT 1309	Administrative Office Procedures I OR	.....3
POFT 1313	Professional Development for Office Personnel	.....(3)
POFI 1341	Computer Applications II OR	.....3
POFI 2301	Word Processing	.....(3)
+Elective		.....3-4
		15-16

Minimum Hours Required15-16

+Electives - Any 3 or 4 credit hour POFI, POFT, ITSC, ITSW, ITSE, ITNW, ITMC, ITCC, INEW or ITSY course including but not limited to:

POFT 1325	Business Math and Machine Applications	.....3
POFT 1380	Cooperative Education - Administrative Assistant/Secretarial Science, General	.....3
POFT 2380	Cooperative Education - Administrative Assistant/Secretarial Science, General	.....3
POFT 1329	Keyboarding and Document Formatting	.....3

OFFICE TECHNOLOGY — SOFTWARE APPLICATION SPECIALIST

Effective January 1, 2003, this award has been deactivated for Mountain View College. For current students, the award will be closed on or before January 1, 2006. New students should not attempt to pursue this award.

Brookhaven, Cedar Valley, Eastfield, El Centro, Mountain View (see above), North Lake and Richland

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.OFCT.SOFT.APPL.04

The Software Application Specialist Certificate provides a benchmark for students to measure their computer skills using Microsoft Office software. Microsoft Office Specialist Certification, which provides students valuable credentials and a competitive edge, is available for those who master required competencies.

		CREDIT HOURS
SEMESTER I		
POFI 2301	Word Processing	.....3
POFI 1349	Spreadsheets	.....3
POFI 1441	Computer Applications II OR	.....4
ITSW 1407	Introduction to Database	.....(4)
POFT 1328	Business and Professional Presentations	.....3
POFI 2331	Desktop Publishing for the Office	.....3
	OR	.....3
POFI 2340	Advanced Word Processing	.....(3)
		16

Minimum Hours Required16

The Software Application Specialist Certificate will help to prepare students for individual Microsoft Office Specialist exams at the proficient level.

Students who previously passed specific Microsoft Office Specialist certification exams will be eligible to receive credit for equivalent POFI courses. Consult the Office Technology advisor for details.

WELDING TECHNOLOGY

Mountain View only

(Associate in Applied Sciences Degree)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: AAS.WELDING.TECH

The Welding Technology program is designed to prepare the student in the basic processes of oxyacetylene and arc welding plus many specialized welding applications as options to fit the specific needs of the student. In addition, instruction is offered in related support areas such as metallurgy, tooling, drafting, pattern layout and characteristics of materials. Thus the program offers preparation for both entry-level jobs as well as welding inspectors.

The student will be required to purchase a basic set of tools which will be used in class and later on the job. Tool lists will be given out by the instructor during the first week of classes.

CREDIT
HOURS

FIRST YEAR

SEMESTER I

WLDG 1425	Introduction to Oxyfuel Welding and Cutting	.4
WLDG 1428	Introduction to Shielded Metal Arc Welding	.4
DFTG 1224	Blueprint Reading and Sketching	.2
TECM 1303	Technical Mathematics	.3
ENGL 1301	Composition I	.3
		16

SEMESTER II

WLDG 1337	Introduction to Metallurgy	.3
WLDG 1457	Intermediate Shielded Metal Arc Welding	.4
NDTE 2411	Preparation for Welding Inspection	.4
PSYC 2302	Applied Psychology	.3
SPCH 1311	Introduction to Speech Communication	.3
		17

SEMESTER III

WLDG 1313	Introduction to Blueprint Reading	.3
WLDG 1430	Introduction to Gas Metal Arc Welding	.4
WLDG 1434	Introduction to Gas Tungsten Arc Welding	.4
++Elective	Humanities/Fine Arts	.3
PHYS 1405	Concepts in Physics	.4
		18

SEMESTER IV

WLDG 2331	Advanced Blueprint Interpretation and Cost Analysis	.3
WLDG 2443	Advanced Shielded Metal Arc Welding	.4
WLDG 2447	Advanced Gas Metal Arc Welding	.4
WLDG 2451	Advanced Gas Tungsten Arc	.4
+Elective		.1-4
		16-19

Minimum Hours Required .67-70

+Electives - must be selected from the following:

WLDG 1191	Special Topics in Welder/Welding Technologist	.1
WLDG 1225	Introduction to Oxy-Fuel Welding and Cutting	.2
WLDG 1230	Introduction to Gas Metal Arc (MIG) Welding	.2
WLDG 1234	Introduction to Gas Tungsten Arc (TIG) Welding	.2
WLDG 1291	Special Topics in Welder/Welding Technologist	.2
MATH 1324	Mathematics for Business and Economics	.3
WLDG 1371	Welding Standards	.3
WLDG 1381	Cooperative Education-Welder/Welding Technologist	.3
WLDG 1471	Welding Qualifications	.4
WLDG 2413	Welding Using Multiple Processes	.4
WLDG 2455	Advanced Welding Metallurgy	.4

++Humanities/Fine Arts course: Any three-credit course from the Humanities/Fine Arts DCCCD CORE.

NOTE: Students enrolling in this program who plan to transfer to a four-year institution should consult an advisor or counselor regarding transfer requirements and the transferability of these courses to the four-year institution of their choice.

WELDING TECHNOLOGY

Mountain View only

(Certificate)

- Students pursuing this award are required to meet Texas Success Initiative (TSI) standards and course prerequisites.
- Students must complete 25% of the degree requirements at the college awarding the degree.

Degree Plan Code: C1.WLDG.TECH

The Welding certificate program is designed to qualify students in the Shielded Metals Arc (SMAW), Gas Tungsten Arc (GTAW), or Gas Metal Arc (GMAW) process on either plate or pipe in accordance to the American Welding Society (AWS) or the American Petroleum Institute (API) welding procedures. The student may elect to complete the program either as a CEU program or as a credit certificate program.

The certificate program provides learning experiences and/or capstone experiences in accordance to AWS D1.1 or API 1104 certifications.

	CREDIT HOURS
SEMESTER I	
<u>TRACK A</u>	
WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW)	4
WLDG 1457 Intermediate Shielded Metal Arc Welding (SMAW)	4
OR	
<u>TRACK B</u>	
WLDG 1425 Introduction to Oxy-Fuel Welding and Cutting	4
WLDG 1434 Introduction to Gas Tungsten Arc (TIG) Welding	4
OR	
<u>TRACK C</u>	
WLDG 1430 Introduction to Gas Metal Arc (MIG) Welding	4
WLDG 2447 Advanced Gas Metal Arc Welding ..	4
	8

SEMESTER II

TRACK A

WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG 1471	Welding Qualifications	4

OR

TRACK B

WLDG 2451	Advanced Gas Tungsten Arc (TIG) Welding	4
WLDG 1471	Welding Qualifications	4

OR

TRACK C

WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
WLDG 1471	Welding Qualifications	4
		8

Minimum Hours Required16

Student must complete all courses in one track (A, B, or C) to be considered a completer for this certificate.

— Course Descriptions —

The course description section of the catalog includes a complete list of those Academic and WECM courses available at one or more colleges within the Dallas County Community College District. Not all courses are offered at all of the colleges. To determine which courses are available at specific colleges, please consult the college course schedule. There are two categories of courses: (1) academic courses and (2) WECM or technical courses.

The actual course prefix/number has a specific meaning or identifier for each number. The first digit indicates freshman [1] or sophomore [2] level; the second digit indicates credit hours; for academic courses the third digit, if "7," "8," or "9," generally indicates courses that are not Texas Common Course Numbers. While for WECM courses, the "7" indicates Local Need; "8" indicates External Learning; and "9" indicates Special Topics. The fourth digit is a free number. To help meet your transfer needs, the college is a member of the Texas Common Course Numbering System Consortium. Course descriptions will indicate if a course has been assigned a common course number. The common course number facilitates the transfer of these courses between and among the participating institutions. All Texas community/junior colleges, including the DCCCD colleges, participate in this system. Most Texas public universities are cooperating with this new numbering system by indicating which courses are equivalent to the common course number.

Most course descriptions are developed based upon the descriptions published by the Texas Higher Education Coordinating Board (THECB) in the *Lower Division Academic Course Guide Manual (LDACGM)* and the *Workforce Education Course Manual (WECM)*.

ACADEMIC/GENERAL EDUCATION COURSES

Academic courses or general education courses, as they are sometimes referred to, are those courses that have been designated by the Texas Higher Education Coordinating Board for transfer among community colleges and state public four year colleges and universities as freshman and sophomore general education courses. These courses can be found in the *Lower Division Academic Course Guide Manual (LDACGM)*. You may view/access the manual on the THECB website at <http://www.thecb.state.tx.us/ctc/ip/acgm2k/ACGM-LD.htm>.

(Please note: The above web address is upper and lower case sensitive.)

The *Lower Division Academic Course Guide Manual (LDACGM)* is the official list of approval numbers for general academic transfer courses that may be offered for state funding by public community and technical colleges in Texas. The *LDACGM* serves as the generic course inventory for all community and technical colleges in Texas. Courses listed in the manual may be offered and reported for funding without requesting approval from the Coordinating Board. If a community or technical college wishes to offer a course not listed here, or offer an *LDACGM* course for more credit or contact hours than listed, it must request approval for such a course on the basis of "unique need". These courses are listed on the DCCCD Academic Unique Need Inventory. The state will not fund academic courses at community and technical colleges that are not listed either in the *LDACGM* or on the college's Academic Unique Need Inventory.

WECM/TECHNICAL COURSES

WECM (**W**orkforce **E**ducation **C**ourse **M**anual) courses are those courses that have been designated by the Texas Higher Education Coordinating Board as workforce education (technical) courses offered for credit and CEUs (Continuing Education Units). While these courses are not designed to automatically transfer to public four-year colleges and universities, they are designated to transfer among state community colleges. These courses can be found in the *Workforce Education Course Manual*. You may view/access the manual on the THECB website at <http://www.thecb.state.tx.us/ctc/ip/wecm2000/index.htm>.

The *Workforce Education Course Manual (WECM)* is a statewide inventory of workforce education courses offered for semester credit hours and Continuing Education Units (CEUs). These courses are used by the college to respond rapidly to the needs of business and industry. The *WECM* offers a means for the college to continually design and update high quality workforce courses by receiving input from business/industry and community college faculty throughout Texas.

The Texas Higher Education Coordinating Board approves all courses cited in the *WECM* for use by the Texas public community and technical colleges. Therefore, if students earn semester credit hours and CEUs by successfully completing the requirements for the course(s), they will be able to transfer the credits or CEUs to another Texas public community or technical college offering the same course(s).

COURSE DESCRIPTIONS

Figure 1 - Academic/General Education Course

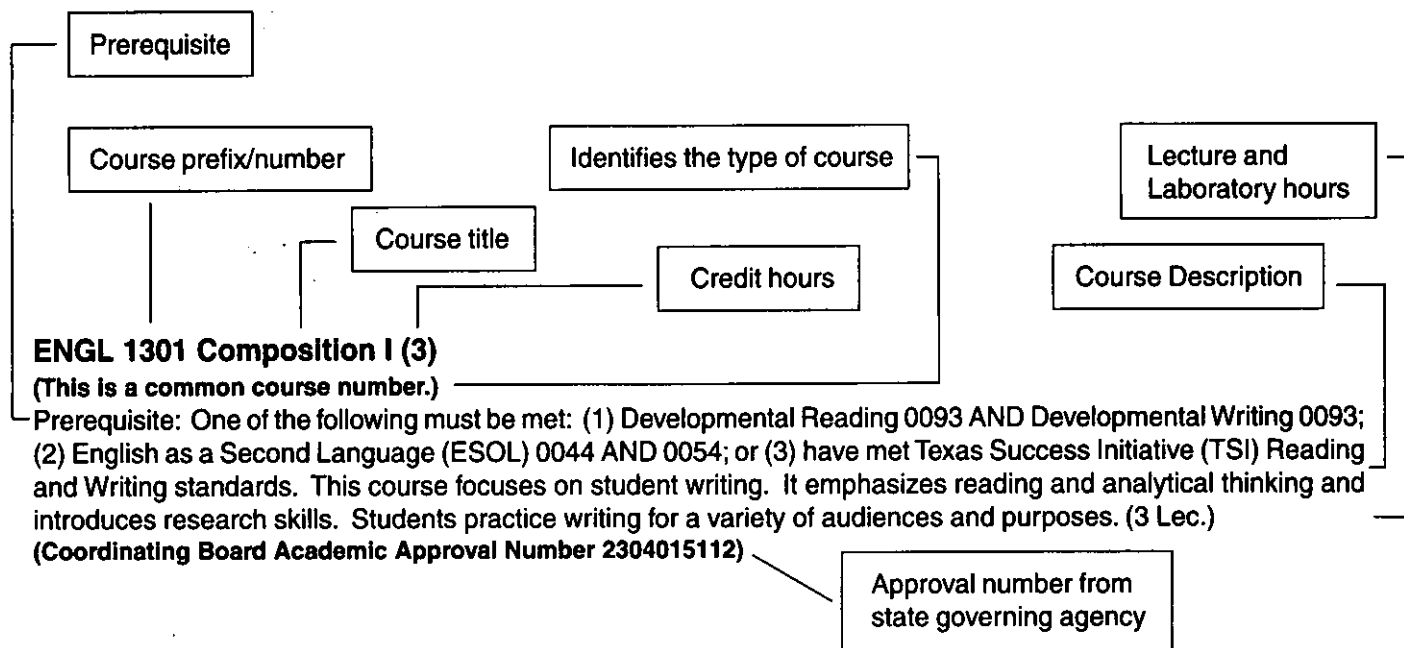
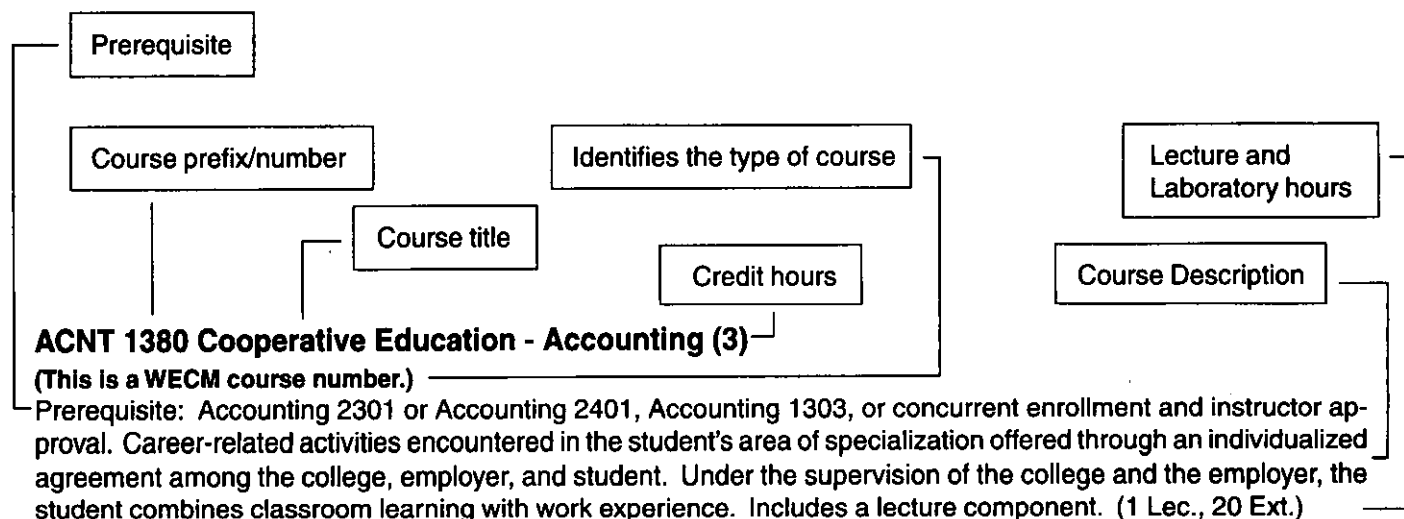


Figure 2 - WECM/Technical Course



ACCT 2301 is a 3 credit hour lecture course. ACCT 2401 is a 4 credit hour lecture and laboratory course. Either course will meet degree requirements.

ACCT 2301 Principles of Accounting I (3)

(This is a Texas Common Course Number.)

This course covers the theory and practice of measuring and interpreting financial data for business units. Basic concepts, principles, and procedures are applied to the following topics: operating cycle, accruals and deferrals, financial statements, internal controls, receivables, inventory, fixed assets, and liabilities. This course is cross-listed as Accounting 2401. The student may register for either Accounting 2301 or Accounting 2401, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 5203015104)

ACCT 2302 is a 3 credit hour lecture course. ACCT 2402 is a 4 credit hour lecture and laboratory course. Either course will meet degree requirements.

ACCT 2302 Principles of Accounting II (3)

(This is a Texas Common Course Number.)

Prerequisite: Accounting 2301 or Accounting 2401. This course is a continuation of Accounting 2301 or Accounting 2401. This course covers the theory and practice of measuring and interpreting financial data for business units, with emphasis on corporations and managerial applications. Basic concepts, principles, and procedures are applied to the following topics: preparation and analysis of financial statements, budgeting, cash flow, cost systems, responsibility accounting, and cost-volume-profit analysis. This course is cross-listed as Accounting 2402. The student may register for either Accounting 2302 or 2402, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 5203015104)

ACCT 2401 is a 4 credit hour lecture and laboratory course. ACCT 2301 is a 3 credit hour lecture course. Either course will meet degree requirements.

ACCT 2401 Principles of Accounting I (4)

(This is a Texas Common Course Number.)

This course covers the theory and practice of measuring and interpreting financial data for business units. Basic concepts, principles, and procedures are applied to the following topics: operating cycle, accruals and deferrals, financial statements, internal controls, receivables, inventory, fixed assets, and liabilities. This course is cross-listed as Accounting 2301. The student may register for either Accounting 2401 or Accounting 2301, but may receive credit for only one of the two. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5203015104)

ACCT 2402 is a 4 credit hour lecture and laboratory course. ACCT 2302 is a 3 credit hour lecture course. Either course will meet degree requirements.

ACCT 2402 Principles of Accounting II (4)

(This is a Texas Common Course Number.)

Prerequisite: Accounting 2301 or Accounting 2401. This course is a continuation of Accounting 2301 or Accounting 2401. This course covers the theory and practice of measuring and interpreting financial data for business units, with emphasis on corporations and managerial applications. Basic concepts, principles, and procedures are applied to the following topics: preparation and analysis of financial statements, budgeting, cash flow, cost systems, responsibility accounting, and cost-volume-profit analysis. This course is cross-listed as Accounting 2302. The student may register for either Accounting 2402 or 2302, but may receive credit for only one of the two. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5203015104)

ACNT 1303 Introduction to Accounting I (3)

(This is a WECM Course.)

A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll. (3 Lec.)

ACNT 1304 Introduction to Accounting II (3)

(This is a WECM Course.)

Prerequisite: Accounting 1303. A study of accounting for merchandising, notes payable, notes receivable, valuation of receivables and equipment, and valuation of inventories in a manual and computerized environment. (3 Lec.)

ACNT 1311 Introduction to Computerized Accounting (3)

(This is a WECM Course.)

Prerequisite: Accounting 2301 or Accounting 2401, Accounting 1303, or concurrent enrollment. Introduction to utilizing the computer in maintaining accounting records, making management decisions, and processing common business applications with primary emphasis on a general ledger package. (2 Lec., 2 Lab.)

ACNT 1313 Computerized Accounting Applications (3)

(This is a WECM Course.)

Prerequisite: Accounting 2301 or Accounting 2401, Accounting 1303, or concurrent enrollment. A study of utilizing the computer to develop and maintain accounting record keeping systems, make management decisions, and process common business applications with emphasis on utilizing a spreadsheet and/or data base package/program. (2 Lec., 2 Lab.)

ACNT 1329 Payroll and Business Tax**Accounting (3)**

(This is a WECM Course.)

Prerequisite: Accounting 2301 or Accounting 2401, Accounting 1303, or concurrent enrollment. A study of payroll procedures, taxing entities, and reporting requirements of local, state, and federal taxing authorities in a manual and computerized environment. (3 Lec.)

ACNT 1331 Federal Income Tax: Individual (3)

(This is a WECM Course.)

Prerequisite: Accounting 2301 or Accounting 2401. Basic instruction in the tax laws as currently implemented by the Internal Revenue Service providing a working knowledge of preparing taxes for the individual. (3 Lec.)

ACNT 1366 Practicum (or Field Experience)**Accounting (3)**

(This is a WECM Course.)

Prerequisite: Accounting 2301 or Accounting 2401, Accounting 1303, or concurrent enrollment and instructor approval. Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This course is cross-listed as ACNT 2366. The student may register for either ACNT 1366 or ACNT 2366, but may receive credit for only one of the two. (1 Lec., 20 Ext.)

ACNT 1380 Cooperative Education - Accounting (3)

(This is a WECM Course.)

Prerequisite: Accounting 2301 or Accounting 2401, Accounting 1303, or concurrent enrollment and instructor approval. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

ACNT 1391 Special Topics in Accounting (3)

(This is a WECM Course.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec.)

ACNT 2303 Intermediate Accounting I (3)

(This is a WECM Course.)

Prerequisite: Accounting 2301 or Accounting 2401. Critical analysis of generally accepted accounting principles, concepts, and theory underlying the preparation of financial statements. Emphasis on current theory and practice. (3 Lec.)

ACNT 2304 Intermediate Accounting II (3)

(This is a WECM Course.)

Prerequisite: Accounting 2303. Continued in-depth analysis of generally accepted accounting principles underlying the preparation of financial statements, including comparative analysis and statement of cash flows. (3 Lec.)

ACNT 2309 Cost Accounting (3)

(This is a WECM Course.)

Prerequisite: Accounting 2302 or Accounting 2402. A study of budgeting and cost control systems including a detailed study of manufacturing cost accounts and reports, job order costing, and process costing. Includes introduction to alternative costing methods such as activity-based and just-in-time costing. (3 Lec.)

ACNT 2311 Managerial Accounting (3)

(This is a WECM Course.)

Prerequisite: Accounting 2302 or Accounting 2402. A study of practical applications of accounting with emphasis on cost behavior, capital management decisions, budgeting, financial statement analysis, and income taxation. (3 Lec.)

ACNT 2366 Practicum (or Field Experience) -**Accounting (3)**

(This is a WECM Course.)

Prerequisite: Accounting 1366 and instructor approval. Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. This course is cross-listed as ACNT 1366. The student may register for either ACNT 2366 or ACNT 1366, but may receive credit for only one of the two. (1 Lec., 20 Ext.)

ACNT 2380 Cooperative Education - Accounting (3)

(This is a WECM Course.)

Prerequisite: Accounting 1380 and instructor approval. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

AIRP 1215 Private Flight (2)

(This is a WECM Course.)

Flight training to prepare the student for the completion of the Federal Aviation Administration private pilot certification process, including dual and solo flight in the areas of maneuvers and cross-country navigation. (1 Lec., 2 Lab.)

AIRP 1255 Intermediate Flight (2)

(This is a WECM Course.)

Provides students with flight hours and skills necessary to fulfill solo cross-country hours required for the Federal Aviation Administration Commercial Pilot, single engine land, airplane rating. (1 Lec., 2 Lab.)

AIRP 1301 Air Navigation (3)

(This is a WECM Course.)

Instruction in Visual Flight Navigation in the National Airspace System. Topics include sectional charts, flight computers, plotters, and navigation logs. Qualifies as part of a program leading to Federal Aviation Administration certification. (3 Lec.)

AIRP 1307 Aviation Meteorology (3)

(This is a WECM Course.)

In-depth coverage of meteorological phenomena affecting aircraft flight. Topics include basic concepts of aviation meteorology in the study of temperature, pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing, and fog. Also includes analysis and use of weather data for flight planning. (3 Lec.)

AIRP 1311 Flight Theory (3)

(This is a WECM Course.)

Instruction in basic flight information needed for flight in the National Aerospace System. Topics include publications, regulations, aircraft systems, and performance. Qualifies as part of a program leading to Federal Aviation Administration certification. (3 Lec.)

AIRP 1313 Introduction to Aviation (3)

(This is a WECM Course.)

A study of the historical development of the aviation industry, including key events in civil, military, and space exploration and an overview of legislation relating to aviation. (3 Lec.)

AIRP 1317 Private Pilot Ground School (3)

(This is a WECM Course.)

Basic ground school for the Private Pilot Certificate, providing the student with the necessary aeronautical knowledge that can be used for private pilot certification. Topics include principles of flight, radio procedures, weather, navigation, aerodynamics, and Federal Aviation Administration regulations. (3 Lec.)

AIRP 1343 Aerodynamics (3)

(This is a WECM Course.)

Study of the general principles of the physical laws of flight. Topics include physical terms and the four forces of flight, lift, weight, thrust, and drag; aircraft design; stability control; and high-speed flight characteristics. (3 Lec.)

AIRP 1347 Human Factors in Aviation (3)

(This is a WECM Course.)

Instruction in flight physiology, the decision-making process, pilot health maintenance, psychological aspects of flight, human behavior as related to the aircraft cockpit, and aeromedical information of significance to flight crews. (3 Lec.)

AIRP 1351 Instrument Ground School (3)

(This is a WECM Course.)

A study of basic instrument radio and navigation fundamentals used in instrument flight. Topics include a description and practical use of aerial navigation systems and instruments, charts used for instrument flight, and Federal Aviation Administration certification. (3 Lec.)

AIRP 2236 Certified Flight Instructor-Airplane (2)

(This is a WECM Course.)

Flight instruction necessary to qualify for the Federal Aviation Administration Certified Flight Instructor - Airplane Certificate. Topics include ground and flight instruction. (1 Lec., 2 Lab.)

AIRP 2239 Commercial Flight (2)

(This is a WECM Course.)

Flight instruction necessary to qualify for the Federal Aviation Administration Commercial Pilot Certificate. Instruction includes both dual and solo flight training to prepare the student for mastery of all commercial pilot maneuvers. (1 Lec., 2 Lab.)

AIRP 2242 Flight Instructor - Instrument Airplane (2)

(This is a WECM Course.)

Skill development for flight instructors necessary to qualify for the Federal Aviation Administration Certified Flight Instructor Instrument Rating, airplane single-engine land. (1 Lec., 2 Lab.)

AIRP 2250 Instrument Flight (2)

(This is a WECM Course.)

Preparation for completion of the Federal Aviation Administration Instrument Pilot Rating with mastery of all instrument procedures. (1 Lec., 2 Lab.)

AIRP 2251 Multiengine Flight (2)

(This is a WECM Course.)

Preparation for the multiengine class rating which will be added to a current pilot certificate. Includes explanation and demonstration of all required Federal Aviation Administration normal and emergency operations and procedures. (1 Lec., 2 Lab.)

AIRP 2333 Aircraft Systems (3)

(This is a WECM Course.)

Study of the general principles, operation, and application of pneumatic, hydraulic, electrical, fuel, environmental, protection, and warning systems. Emphasis on types of aircraft structures and their control systems. (3 Lec.)

AIRP 2337 Commercial Ground School (3)

(This is a WECM Course.)

A study of advanced aviation topics that can be used for Federal Aviation Administration certification at the commercial pilot level. Includes preparation for the Commercial Airplane knowledge test. (3 Lec.)

AIRP 2349 Instructor Ground School (3)

(This is a WECM Course.)

Skill development in the fundamentals of teaching and learning in an aviation-oriented environment. Introduction to the techniques of instruction and analysis of flight maneuvers. Topics include flight instructor responsibilities and federal aviation regulations relating to the instructor rating. (3 Lec.)

AIRP 2352 Practical Dispatching I (3)

(This is a WECM Course.)

Study of advanced concepts in weight and balance, performance calculations, avionics, and engine and airplane specifications including Federal Aviation regulations. Preparation for the Federal Aviation Administration knowledge examination. (3 Lec.)

AIRP 2353 Practical Dispatching II (3)

(This is a WECM Course.)

A study of the duties and responsibilities required of an aircraft dispatcher. Topics include instruction in Federal Aviation Administration regulations, flight planning, and company operations for both domestic and international operations. Preparation for the Federal Aviation Administration Practical Examination. (3 Lec.)

AIRP 2355 Propulsion Systems (3)

(This is a WECM Course.)

In-depth coverage of aircraft engine theory and principles of operation of various types of aircraft engines including reciprocating, turboprop, turbojet, and turbo fan. Topics include propellers, superchargers, engine accessories, controls, and instrumentation. (3 Lec.)

ANTH 1101 Physical Anthropology (1)

(This is a Texas Common Course Number.)

Corequisite: Students must concurrently be enrolled in ANTH 1101 and ANTH 2301. Overview of human origins and biocultural adaptations. Also introduces methods and theory in the excavation and interpretation of material remains of past cultures. (3 Lab.)

(Coordinating Board Academic Approval Number 4503015125)

ANTH 2301 Physical Anthropology (3)

(This is a Texas Common Course Number.)

Corequisite: Students must concurrently be enrolled in ANTH 1101 and ANTH 2301. Overview of human origins and biocultural adaptations. Also introduces methods and theory in the excavation and interpretation of material remains of past cultures. (3 Lab.)

(Coordinating Board Academic Approval Number 4503015125)

ANTH 1370 American Indian Culture (3)

(This is a Unique Need Course)

Native Americans are studied from three perspectives: Native American history and prehistory; traditional Indian cultures; and native Americans today. The latter theme stresses current topics such as discrimination, poverty, employment, reservations. The Bureau of Indian Affairs, self-determination, health care, etc. (3 Lec.)

(Coordinating Board Academic Approval Number 0502029325)

ANTH 2302 Introduction to Anthropology (3)

(This is a WECM Course Number.)

This course is an anthropological approach to archeology. Topics include an introduction to the study of humanity's past. How archeologist retrieve, process, analyze and interpret surviving prehistoric materials is covered, as well as a survey of world prehistory through Neolithic times. (3 Lec.)

(Coordinating Board Academic Approval Number 4503015125)

ANTH 2346 Introduction to Anthropology (3)

(This is a Texas Common Course Number.)

This course surveys the origin of mankind involving the processes of physical and cultural evolution, ancient man, and preliterate man. Attention is centered on fossil evidence, physiology and family/group roles and status. (3 Lec.)

(Coordinating Board Academic Approval Number 4502015125)

ANTH 2351 Cultural Anthropology (3)

(This is a Texas Common Course Number.)

This course introduces students to the elements and processes that create culture, society and social interaction. Language, cross-cultural communication, fieldwork, and analysis of multi-cultural societies are covered. A special emphasis is given to cross-cultural comparison and analysis of basic social institutions on a global scale in order to provide students with an appreciation and understanding of the underlying unity of diverse cultural expressions

(Coordinating Board Academic Approval Number 4502015325)

ANTH 2380 The Heritage of Mexico (3)

(This is a Texas Common Course Number.)

The first part of the course deals with the archeology of Mexico beginning with the first humans to enter the North American continent and culminating with the arrival of the Spanish in 1519 A.D. Emphasis is on archaic cultures, the Maya, the Toltec, and Aztec empires. The second part of the course deals with Mexican history and modern relations between the United States and Mexico. This course is cross-listed as History 2380. The student may register for either History 2380 or Anthropology 2380, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 4511015325)

ARTC 1341 3-D Animation I (3)

(This is a WECM Course Number.)

Instruction in three-dimensional (3-D) modeling and rendering techniques including lighting, staging, camera, and special effects. Emphasis on 3-D modeling building blocks using primitives to create simple or complex objects. (2 Lec., 4 Lab.)

ARTC 2313 Digital Publishing II (3)

(This is a WECM Course Number.)

Layout procedures from thumbnails and roughs to final comprehensive and printing; emphasis on design principles for the creation of advertising and publishing materials, and techniques for efficient planning and documenting projects. (2 Lec., 4 Lab.)

ARTC 2341 3-D Animation II (3)

(This is a WECM Course Number.)

Skill development in three-dimensional modeling and rendering techniques using lighting, staging, and special effects for digital output. Emphasis on the production of three-dimensional (3-D) animation as final digital outputting using modeling, rendering, animation, and outputting software. (2 Lec., 4 Lab.)

ARTS 1301 Art Appreciation (3)

(This is a Texas Common Course Number.)

Films, lectures, slides, and discussions focus on the theoretical, cultural, and historical aspects of the visual arts. Emphasis is on the development of visual and aesthetic awareness. (3 Lec.)

(Coordinating Board Academic Approval Number 5007035126)

ARTS 1303 Survey of Art History (3)

(This is a Texas Common Course Number.)

This course covers the history of western art from prehistoric time through the Gothic period. It explores the cultural, geophysical, and personal influences on art styles. (3 Lec.)

(Coordinating Board Academic Approval Number 5007035226)

ARTS 1304 Survey of Art History (3)

(This is a Texas Common Course Number.)

This course covers the history of art from the Renaissance through the present. It explores the cultural, geophysical, and personal influences on art styles. (3 Lec.)

(Coordinating Board Academic Approval Number 5007035226)

ARTS 1311 2D Design (3)

(This is a Texas Common Course Number.)

Basic concepts of design with two-dimensional materials are explored. The use of line, color, illusion of space or mass, texture, value, shape, and size in composition is considered. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5004015326)

ARTS 1312 3D Design (3)

(This is a Texas Common Course Number.)

Basic concepts of design with three-dimensional materials are explored. The use of mass, space, movement, and texture, line, plane, volume, color, and scale is considered. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5004015326)

ARTS 1316 Drawing I (3)

(This is a Texas Common Course Number.)

This beginning course investigates various media, techniques, and subjects. It explores perceptual and descriptive possibilities and considers drawing as a developmental process as well as an end in itself. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007055226)

ARTS 1317 Drawing II (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 1316. This course is an expansion of Arts 1316. It stresses the expressive and conceptual aspects of drawing, including advanced composition arrangements, a range of wet and dry media, and the development of an individual approach to theme and content. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007055226)

ARTS 2311 Advanced Design (3)

(This is a Texas Common Course Number.)

Prerequisite: Recommended prerequisites for Art Majors, Arts 1311, Arts 1312, Arts 1316, and Arts 1317. This course will focus on two- or three-dimensional projects in a special topics area. Emphasis is on individual expression. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5004015326)

ARTS 2312 Advanced Design (3)

(This is a Texas Common Course Number.)

Prerequisite: Recommended prerequisites for Art Majors, Arts 1311, Arts 1312, Arts 1316, and Arts 1317. This course will focus on two- or three-dimensional projects in a special topics area. Emphasis is on individual expression. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5004015326)

ARTS 2316 Painting I (3)

(This is a Texas Common Course Number.)

Prerequisite: Recommended prerequisites for Art Majors, Arts 1311, Arts 1312, Arts 1316, and Arts 1317. This studio course stresses fundamental concepts of painting with acrylics and oils. Emphasis is on painting from still life, models, and the imagination. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007085226)

ARTS 2317 Painting II (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 2316. This course continues Arts 2316. Emphasis is on individual expression. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007085226)

ARTS 2323 Drawing III (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 1317, Arts 1311, Arts 1312 and Arts 1316 are recommended for Art Majors. This course covers the analytic and expressive drawing of the human figure. Movement and volume are stressed. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007055326)

ARTS 2324 Drawing IV (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 2323, sophomore standing, or demonstrated competence approved by the instructor. This course continues Arts 2323. Emphasis is on individual expression. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007055326)

ARTS 2326 Sculpture I (3)

(This is a Texas Common Course Number.)

Prerequisite: Recommended prerequisites for Art Majors, Arts 1311, Arts 1312, Arts 1316, and Arts 1317. Various sculptural approaches are explored. Different media and techniques are used. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007095126)

ARTS 2327 Sculpture II (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 2326. This course continues Arts 2326. Emphasis is on individual expression. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007095126)

ARTS 2346 Ceramics I (3)

(This is a Texas Common Course Number.)

Prerequisite: Recommended prerequisites for Art Majors, Arts 1311, Arts 1312, Arts 1316, and Arts 1317. This course focuses on the building of pottery forms by coil, slab, and use of the wheel. Glazing and firing are also included. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007115126)

ARTS 2347 Ceramics II (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 2346 or demonstrated competence approved by the instructor. Glaze technology is studied. Advanced problems in the creation of artistic and practical ceramic works. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007115126)

ARTS 2356 Photography I (3)

(This is a Texas Common Course Number.)

Prerequisite: Recommended prerequisites for Art Majors, Arts 1311, Arts 1312, Arts 1316, and Arts 1317. Creative use of the camera is studied. Photosensitive materials are examined as a means of making expressive graphic images. Emphasis is on black and white processing and printing techniques. This course is cross-listed as Photography 2356. The student may register for either Arts 2356 or Photography 2356, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 06055126)

ARTS 2357 Photography II (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 2356. This course is a continuation of Arts 2356. Emphasis is on individual expression. This course is cross-listed as Photography 2357. The student may register for either Arts 2357 or Photography 2357, but may receive credit for only one of the two.

(2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5006055226)

ARTS 2366 Watercolor I (3)

(This is a Texas Common Course Number.)

Prerequisite: Recommended prerequisites for Art Majors, Arts 1311, Arts 1312, Arts 1316, and Arts 1317. This course explores studio techniques in water base media. Emphasis is placed on exploration of a variety of modes and techniques as a means to original expression. This course may be repeated for credit. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007085326)

ARTS 2367 Watercolor II (3)

(This is a Texas Common Course Number.)

Prerequisite: Arts 2366. This course continues the development of skills in water base media. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5007085326)

ARTS 2389 Academic Cooperative in Art, Photography/Digital Imaging (3)

(This is a Texas Common Course Number.)

An instructional program designed to integrate on-campus study with practical hands-on work experience in the humanities and/or fine arts. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of languages, art, music, philosophy, or religion. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 2401035212)

ARTV 1301 Animation 2-D (3)

(This is a WECM Course Number.)

Skill development in the use of software to develop storyboards and two-dimensional animation including creating, importing, and sequencing media elements to create multimedia presentation. Emphasis on conceptualization, creativity, and visual aesthetics. This course is cross-listed as ARTV 1401. The student may register for either ARTV 1301 or ARTV 1401, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 4 Lab.)

ARTV 1401 Animation 2-D (4)

(This is a WECM Course Number.)

Skill development in the use of software to develop storyboards and two-dimensional animation including creating, importing, and sequencing media elements to create multimedia presentation. Emphasis on conceptualization, creativity, and visual aesthetics. This course is cross-listed as ARTV 1301. The student may register for either ARTV 1401 or ARTV 1301, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 4 Lab.)

AVIM 2331 Airline Management (3)

(This is a WECM Course Number.)

An examination of the organization, operation, and management of airlines. Topics include financing, aircraft selection, route feasibility studies, load factors, and marketing. (3 Lec.)

AVIM 2335 Airport Management (3)

(This is a WECM Course Number.)

A study of the major functions of airport management including facilities and services, organization, human resources, maintenance, planning and zoning, operations, revenues and expenses, public relations, ecology, and safety. (3 Lec.)

AVIM 2337 Aviation Law (3)

(This is a WECM Course Number.)

A study of the historical development of aviation law including in-depth coverage of constitutional, criminal, civil, common, and international law as it relates to aviation activities. (3 Lec.)

AVIM 2339 Aviation Marketing (3)

(This is a WECM Course Number.)

A study of the significance and functions of airline marketing including market research, sales, advertising and promotion, traffic demand analysis, and price determination theory. (3 Lec.)

AVNC 1303 Introduction to Aircraft Electronic Systems (3)

(This is a WECM Course Number.)

This course is a study of the relationship between aircraft electronic systems and aircraft flight and navigation. Emphasis on the operation and function of the electronic systems and the operation of the systems and ramp. The student will describe the function and operation of aircraft electronic systems and operate aircraft electronic systems. (2 Lec., 2 Lab.)

AVNC 1443 Aircraft Electrical and Electronic Systems Installation (4)

(This is a WECM Course Number.)

Prerequisite: AVNC 1303. This course is a study of and practical experience in the installation of avionics systems in aircraft, mounting electronic equipment, construction and installation of electrical wiring and cables, proper use of tools, and selection of materials. The student will describe and lay out avionics systems and install avionics systems. (3 Lec., 3 Lab.)

AVNC 1453 Operational Testing of Aircraft Electronic Systems (4)

(This is a WECM Course Number.)

Prerequisite: AVNC 1303. Topics in this course include integration of technical drawing interpretation, wiring interface checkout, and the application of ramp test equipment in common usage. Emphasis on performance of functional checks of aircraft electrical and electronic systems. The student will identify, describe, and use proper procedures and techniques for testing aircraft electronic systems. (3 Lec., 3 Lab.)

BCIS 1405 Business Computer Applications (4)

(This is a Texas Common Course Number.)

The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business-oriented use of the Internet. Topics include computer terminology, hardware, software, operating systems, and information systems. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102025404)

BCIS 1431 Programming in Visual BASIC (4)

(This is a Texas Common Course Number.)

Prerequisite: BCIS 1405 or COSC 1401 or demonstrated competence approved by the instructor. Introduction to business programming techniques using Visual BASIC with an emphasis on the fundamentals of design, development, testing, implementation, and documentation. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102025204)

BCIS 2390 Systems Analysis and Design (3)

(This is a Texas Common Course Number.)

Prerequisite: Any programming course or demonstrated competence approved by the instructor. Analysis of business information needs and preparation of specifications and requirements for appropriate data system solutions. Topics include information requirements analysis, specification development and writing, prototype evaluation, and network application interfaces. (2 Lec., 3 Lab.)

(2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1105015104)

BCIS 2431 Advanced Programming in Visual BASIC (4)

(This is a Texas Common Course Number.)

Prerequisite: BCIS 1431 or demonstrated competence approved by the instructor. Advanced applications and business programming techniques using Visual BASIC. Topics include file access methods, data structures, modular programming, program testing, and documentation. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102025304)

BIOL 1406 Biology for Science Majors I (4)

(This is a Texas Common Course Number.)

Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards. An introductory survey of contemporary biology for students majoring in the sciences. Topics emphasized will include the chemical basis of life, structure and function of cells, energy transformations, and molecular biology and genetics. (3 Lec., 3 Lab.)

(3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2601015103)

BIOL 1407 Biology for Science Majors II (4)

(This is a Texas Common Course Number.)

Prerequisite: Biology 1406 Biology for Science Majors I. An introductory survey of current biological concepts for students majoring in the sciences. Emphasis will be placed on topics which include evolution, biological diversity, ecology, and comparative structure and function of organisms. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2601015103)

BIOL 1408 Biology for Non-Science Majors I (4)

(This is a Texas Common Course Number.)

Presentation of biological concepts for the non-science major. Emphasis will be on scientists and their contributions to the science field, scientific problem solving, unity of life including cells and genetic information, energy pathways important to life, and current issues in biology. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2601015103)

BIOL 1409 Biology for Non-Science Majors II (4)

(This is a Texas Common Course Number.)

Presentation of biological concepts for the non-science major. Emphasis will be on current biological concepts pertaining to evolutionary and behavioral adaptations, biological diversity, ecology, form and function of organisms. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2601015103)

BIOL 1411 Introductory Botany (4)

(This is a Texas Common Course Number.)

Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards. This course introduces plant form and function. Topics ranging from the cell through organs are included. Emphasis is on the vascular plants, including the taxonomy and life cycles of major plant divisions. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2603015103)

BIOL 2370 Field Biology (3)

(This is a Unique Need Course.)

Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards. Local plant and animal life are surveyed in relationship to the environment. Aquatic and terrestrial communities are studied with reference to basic ecological principles and techniques. Emphasis is upon classification, identification, and collection of specimens in the field. This course may be repeated for credit. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 2613019203)

BIOL 2401 Anatomy and Physiology I (4)

(This is a Texas Common Course Number.)

Prerequisite: Biology 1406 or SCIT 1407. This course examines cell structure and function, tissues, and the skeletal, muscular, and nervous systems. Emphasis is on structure, function, and the interrelationships of the human systems. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2607075103)

BIOL 2402 Anatomy and Physiology II (4)

(This is a Texas Common Course Number.)

Prerequisite: Biology 2401. This is the second course of a two-course sequence. Structure and function as related to the human circulatory, respiratory, urinary, digestive, reproductive, and endocrine systems are studied. Emphasis is placed on the interrelationships of these systems. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2607075103)

BIOL 2406 Environmental Biology (4)

(This is a Texas Common Course Number.)

Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards. The principles of aquatic and terrestrial communities are presented. Emphasis is on the relationship of these principles to the problems facing people in a modern technological society. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 0303035101)

BIOL 2416 Genetics (4)

(This is a Texas Common Course Number.)

Prerequisite: Biology 1406. This course focuses on genetics. Topics include Mendelian inheritance, recombinant genetics, the biochemical theory of genetic material, and mutation theory. Plant and animal materials are used to study population genetics, linkage, gene structure and function, and other concepts of heredity. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 2608045103)

BIOL 2420 Microbiology for Non-Science Majors (4)

(This is a Texas Common Course Number.)

Prerequisite: Biology 1406 or SCIT 1407 or BIOL 2401. An overview of the morphology, physiology, and taxonomy of representative groups of pathogenic and non-pathogenic organisms. Emphasis is placed on applications to humans and techniques used in growing pure cultures of microorganisms on selected media. A brief preview on public health issues is also presented. Designed for non-science majors and allied health students.

(3 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 2605035103)

BIOL 2421 Microbiology for Science Majors (4)

(This is a Texas Common Course Number.)

Prerequisite: Biology 1406, Biology 1407 and Chemistry 1411. A study of the morphology, physiology, and taxonomy of representative groups of pathogenic and non-pathogenic organisms. Emphasis is placed on relationships that influence humans: public health, infectious diseases, and immunology, biotechnology, and environmental and industrial applications. Lab experimentation with pure cultures and selected media will be used to study extensively the medical, environmental, and industrial importance of these microbes. Designed for students in science or pre-professional programs.

(3 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 2605035103)

BITC 1301 Biotechnology Laboratory Instrumentation (3)

(This is a WECM Course Number.)

Prerequisite: BITC 1311 and/or approval of instructor. The student will demonstrate proper handling of laboratory chemicals; operate common analytical instruments; describe the theory and applications of various analytical instruments including types of electrophoresis, spectrophotometry, chromatography, and centrifugation; and practice laboratory safety. (2 Lec., 4 Lab.)

BITC 1302 Biotechnology Laboratory Methods and Techniques (3)

(This is a WECM Course Number.)

Prerequisite: BITC 1311 and/or approval of the instructor. A study of laboratory operations, management, equipment, instrumentation, quality control techniques, and safety procedures. Laboratory practice in using pH meters, mixing buffers, performing measurements, preparing solutions, and performing separatory techniques to specifications; and practice laboratory safety.

(2 Lec., 3 Lab.)

BITC 1311 Introduction to Biotechnology (3)

(This is a WECM Course Number.)

An introduction to biotechnology including career exploration, history and applications of DNA/RNA technology, molecular biology, bioethics, and laboratory safety practices. (2 Lec., 3 Lab.)

BITC 1391 Special Topics in Biological Technology/Technician (3)

(This is a WECM Course Number.)

Prerequisite: BITC 1311 and/or approval of instructor. Topics address recently identified current events, skills, knowledges, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec.)

BITC 2286 Internship- Biology Technician/ Biotechnology Laboratory Technician (2)

(This is a WECM Course Number.)

Prerequisite: BITC 1311 and BITC 1302 and/or approval of instructor. A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer. This course is cross-listed as BITC 2486. The student may register for either BITC 2286 or BITC 2486, but may receive credit for only one of the two. (6 Ext)

BITC 2401 Molecular Biology Techniques (4)

(This is a WECM Course Number.)

Prerequisite: BITC 1311 and/or approval of instructor. An introduction to the theory and laboratory techniques in molecular biology with an emphasis on proteins, gene expression and regulation, recombinant DNA, and nucleic acids. (3 Lec., 4 Lab.)

BITC 2431 Cell Culture Techniques (4)

(This is a WECM Course Number.)

Prerequisite: BITC 1311 and/or approval of instructor. A study of cell culture techniques. Laboratory emphasis on the principles and practices of initiation, cultivation, maintenance, preservation of cell lines and applications. (3 Lec., 4 Lab.)

BITC 2486 Internship- Biology Technician/Biotechnology Laboratory Technician (4)

(This is a WECM Course Number.)

Prerequisite: BITC 1311 and/or approval of instructor. A work based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer. This course is cross-listed as BITC 2286. The student may register for either BITC 2486 or BITC 2286, but may receive credit for only one of the two. (12 Ext.)

BMGT 1191 Special Topics in Business Administration and Management, General (1)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (1 Lec.)

BMGT 1303 Principles of Management (3)

(This is a WECM Course Number.)

Concepts, terminology, principles, theories and issues in the field of management. (3 Lec.)

BMGT 1305 Communications in Management (3)

(This is a WECM Course Number.)

Basic theory and processes of communication skills necessary for the management of an organization's workforce. (3 Lec.)

BMGT 1306 Facilities Management (3)

(This is a WECM Course Number.)

For individuals whose responsibility includes general management and supervision of public buildings, business and industrial facilities, and other complexes requiring supervision and control. Includes fire alarm maintenance, plant maintenance, occupational safety, OSHA rules and regulations, management of maintenance supervisors, and hazardous materials awareness. (2 Lec., 4 Lab.)

BMGT 1313 Principles of Purchasing (3)

(This is a WECM Course Number.)

The purchasing process as it relates to such topics as inventory control, price determination, vendor selection, negotiation techniques, and ethical issues. (3 Lec.)

BMGT 1382 Cooperative Education - Business Administration And Management, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. The student should have previous credit in or concurrent enrollment in BMGT 1301 or demonstrated competence approved by the instructor. (1 Lec., 14 Ext.)

BMGT 1383 Cooperative Education - Business Administration And Management, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. The student should have previous credit in or concurrent enrollment in HRPO 2301 or demonstrated competence approved by the instructor. (1 Lec., 14 Ext.)

BMGT 1391 Special Topics in Business Administration and Management, General (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec.)

BMGT 2303 Problem Solving and Decision Making (3)

(This is a WECM Course Number.)

Decision making and problem solving processes in organizations, utilizing logical and creative problem solving techniques. Application of theory is provided by experiential activities such as small group discussions, case studies, and the use of other managerial decision aids. (3 Lec.)

BMGT 2331 Total Quality Management (3)

(This is a WECM Course Number.)

Quality of productivity in organizations. Includes planning for quality throughout the organization, analysis of costs of quality, and employee empowerment. (3 Lec.)

BMGT 2341 Strategic Management (3)

(This is a WECM Course Number.)

Strategic management process involving analysis of how organizations develop and implement a strategy for achieving organizational objectives in a changing environment. (3 Lec.)

BMGT 2347 Critical Thinking and Problem Solving (3)

(This is a WECM Course Number.)

Instruction in interpreting data for effective problem solving and recommending corrective action with emphasis on a structured approach to critical thinking and problem solving in a team environment. (3 Lec.)

BMGT 2382 Cooperative Education - Business Administration And Management, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. The student should have previous credit in or concurrent enrollment in HRPO 2307 or demonstrated competence approved by the instructor. (1 Lec., 14 Ext.)

BMGT 2383 Cooperative Education - Business Administration And Management, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. The student should have previous credit in or concurrent enrollment in BMGT 2303 or demonstrated competence approved by the instructor. (1 Lec., 14 Ext.)

BMGT 2384 Cooperative Education - Operations Management and Supervision (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. (1 Lec., 20 Ext.)

BUSG 1302 E-Business Management (3)

(This is a WECM Course Number.)

Prerequisite: Integrated Software Applications I. Unique aspects of creating and managing an E-Commerce business; topics address the Internet, infrastructure for electronic commerce, markup languages, web-based tools and software, security issues, electronic payment systems, strategies for marketing, sales and purchasing, legal, ethical and tax issues, management functions including how managers plan, exercise leadership, organize, and control the operations. (3 Lec.)

BUSG 1315 Small Business Operations (3)

(This is a WECM Course Number.)

A course in the unique aspects of managing a small business. Topics address management functions including how managers plan, exercise leadership, organize, and control the operations. (3 Lec.)

BUSG 1341 Small Business Financing (3)

(This is a WECM Course Number.)

A study of the financial structure of a small business. Topics address business finance, including where the funds come from and what they are used for; budgeting including planning and preparing, record keeping, taxation, insurance, and banking. (3 Lec.)

BUSG 2309 Small Business Management (3)

(This is a WECM Course Number.)

A course on how to start and operate a small business. Topics include facts about a small business, essential management skills, how to prepare a business plan, financial needs, marketing strategies, and legal issues. (3 Lec.)

BUSI 1301 Introduction to Business (3)

(This is a Texas Common Course Number.)

This course provides an introduction to business operations. Topics include: the business system, legal forms of business, organization and management, business functions (production, marketing, finance, risk management, information systems, accounting) and the environments affecting business (the economy, labor, government regulation, social responsibility, law, international business, and technology). (3 Lec.)

(Coordinating Board Academic Approval Number 5201015104)

BUSI 1307 Personal Finance (3)

(This is a Texas Common Course Number.)

Personal financial issues are explored. Topics include financial planning, insurance, budgeting, credit use, home ownership, savings, investment, and tax problems. (3 Lec.)
(Coordinating Board Academic Approval Number 1904015109)

BUSI 2301 Business Law (3)

(This is a Texas Common Course Number.)

This course presents the legal principles affecting business decisions. The law of contracts, agency, sales, negotiable instruments, and secured transactions are specifically covered. (3 Lec.)

(Coordinating Board Academic Approval Number 2201015124)

CDEC 1335 Early Childhood Development: 3-5 years (3)

(This is a WECM Course Number.)

This course covers the principles of normal growth and development from three to five years. Emphasis is on physical, emotional, and social development. (3 Lec.)

CETT 1331 Technical Programming (3)

(This is a WECM Course Number.)

Prerequisite: Credit or concurrent enrollment in MATH 1414 or the equivalent. Introduction to a high level programming language such as BASIC, PASCAL, or "C". Topics include structured programming and problem solving as they apply to technical applications. (2 Lec., 4 Lab.)

CETT 1402 Electricity Principles (4)

(This is a WECM Course Number.)

Principles of electricity including proper use of test equipment, A/C and D/C circuits, and component theory and operation. The student will exhibit knowledge of basic principles of electricity, electrical current, circuitry, and A/C devices; apply Ohm's law to electrical calculations; perform electrical continuity, voltage, and current tests with appropriate meters; and demonstrate electrical safety. (3 Lec., 3 Lab.)

CETT 1403 DC Circuits (4)

(This is a WECM Course Number.)

A study of the fundamentals of direct current including Ohm's law, Kirchhoff's laws and circuit analysis techniques. Emphasis on circuit analysis of resistive networks and DC measurements. This course is cross-listed as CETT 1303. The student may register for either CETT 1403 or CETT 1303, but may receive credit for only one of the two. (3 Lec., 3 Lab)

CETT 1405 AC Circuits (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1403. A study of the fundamentals of alternating current including series and parallel AC circuits, phasors, capacitive and inductive networks, transformers, and resonance. This course is cross-listed as CETT 1305. The student may register for either CETT 1405 or CETT 1305, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

CETT 1407 Fundamentals of Electronics (4)

(This is a WECM Course Number.)

Applies concepts of electricity, electronics, and digital fundamentals; supports programs requiring a general knowledge of electronics. (3 Lec., 2 Lab.)

CETT 1425 Digital Fundamentals (4)

(This is a WECM Course Number.)

An entry level course in digital electronics covering number systems, binary mathematics, digital codes, logic gates, Boolean algebra, Karnaugh maps, and combinational logic. Emphasis on circuit logic analysis and troubleshooting digital circuits. This course is cross-listed as CETT 1325. The student may register for either CETT 1425 or CETT 1325, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

CETT 1429 Solid State Devices (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1403 and credit or concurrent enrollment in CETT 1405. A study of diodes, transistor characteristics and other semiconductor devices, including analysis of static and dynamic characteristics, biasing techniques, and thermal considerations. This course is cross-listed as CETT 1329. The student may register for either CETT 1429 or CETT 1329, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

CETT 1441 Solid State Circuits (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. A study of various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Topics will include JFETs, MOSFETs, oscillators, thyristors, power supply systems, voltage regulators, multistage amplifiers and power amplifiers. (3 Lec., 3 Lab.)

CETT 1445 Microprocessor (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1425. An introductory course in microprocessor software and hardware; its architecture, timing sequence, operation, and programming; and discussion of appropriate software diagnostic language and tools. (3 Lec., 3 Lab.)

CETT 1449 Digital Systems (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. Digital Systems is a course in electronics covering digital systems. Emphasis on application and troubleshooting digital systems using counters, registers, code converters, multiplexers, analog-to-digital circuits, digital-to-analog circuits, and large-scale integrated circuits. The student will evaluate the operation of digital systems while operating in correct and fault mode using various test instruments; describe the difference between a digital system and an analog system; and draw a simple block diagram of a digital computer system. (3 Lec., 3 Lab.)

CETT 1457 Linear Integrated Circuits (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. A study of the characteristics, operations, stabilization, testing, and feedback techniques of linear integrated circuits. Application in computation, measurements, instrumentation, and active filtering. (3 Lec., 3 Lab.)

CETT 2337 Microcomputer Control (3)

(This is a WECM Course Number.)

Prerequisite: CETT 1425. A study of microprocessors and microcomputers with an emphasis on embedded controllers for industrial and commercial applications. Topics include RAM, ROM and input/output (I/O) interfacing. Introduction to programming. (2 Lec., 2 Lab.)

CETT 2433 Digital Computer Circuits (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. Digital Computer circuits is a study of the three major component systems of a digital computer including arithmetic logic operations, RAM and ROM memory systems, and control systems. The student will explain the operation of the three basic sections of any computer system. The student will construct and troubleshoot computer circuits including arithmetic logic units, memory systems, and control systems; describe the function of the BIOS (Basic Input Output System) in a computer system; and how a computer knows what to address when first cold booted. (3 Lec., 3 Lab.)

CETT 2435 Advanced Microprocessors (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1445. An advanced course utilizing the microprocessor in control systems and interfacing. Emphasis on microprocessor hardware and implementation of peripheral interfacing. (3 Lec., 3 Lab.)

CETT 2443 Principles of Color Television (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. This course covers the principles of color television receivers including signal processing circuits and provides color TV theory and hands-on experience in basic color TV service. The student will explain the principles of color television receivers; test color TV receiver circuits for proper operation and verify FCC color television parameters. (3 Lec., 3 Lab.)

CETT 2449 Research and Project Design (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. Principles of electrical/ electronic design encompassing schematics wiring diagrams, materials lists, operating characteristics, completion schedules, and cost estimates. The student will build a project using the principles of the electrical/electronic design process; write an operations procedure of an electrical/electronic project; and demonstrate the operation of function of an electrical/electronic project. (2 Lec., 4 Lab.)

CHEM 1104 Chemical Calculations (1)

(This is a Texas Common Course Number.)

Chemical calculations are studied. This course is intended for students needing additional practice or preparation. Variable credit (one or two hours) is available. (1 Lec.)
(Coordinating Board Academic Approval Number 4005025203)

CHEM 1405 Introductory Chemistry I (4)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Mathematics 0091 or the equivalent. This course is for non-science majors. Fundamental concepts are presented in lecture and laboratory including the periodic table, atomic structure, chemical bonding, reactions, stoichiometry, states of matter, properties of metals, nonmetals and compounds, acid-base theory, oxidation-reduction and solutions. Descriptive chemistry is emphasized. (3 Lec., 3 Lab.)
(Coordinating Board Academic Approval Number 4005015103)

CHEM 1407 Introductory Chemistry II (4)

(This is a Texas Common Course Number.)

Prerequisite: Chemistry 1405 or demonstrated competence approved by the instructor. This course is for non-science majors. It surveys organic chemistry and biochemistry. The reactions, syntheses, nomenclature, uses, purposes and properties of the important classes of organic and biochemical compounds are studied.
(3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4005015103)

CHEM 1411 General Chemistry I (4)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Mathematics 0093 or the equivalent and one of the following: high school chemistry, Chemistry 1405, or the equivalent. This course is for science and science-related majors. Fundamental concepts of chemistry are presented including measurement and the metric system, the history of chemistry, the mole concept, chemical reactions and stoichiometry, energy and chemical reactions, states and properties of matter, the periodic table, chemical bonding, atomic and molecular structure, gas laws, and concentrations of solutions. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4005015203)

CHEM 1412 General Chemistry II (4)

(This is a Texas Common Course Number.)

Prerequisite: Chemistry 1411. This course is for science and science-related majors. It is a continuation of Chemistry 1411. Topics include states of matter, phase diagrams and intermolecular interactions; reaction kinetics, chemical equilibrium, modern acid-base theory, buffers, chemical thermodynamics, colligative properties of solutions, electrochemistry and nuclear chemistry. Topics may further include transition-metal chemistry, an introduction to organic chemistry and qualitative inorganic analysis. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4005015203)

CHEM 2423 Organic Chemistry I (4)

(This is a Texas Common Course Number.)

Prerequisite: Chemistry 1412. This course is for science and science-related majors. It introduces the fundamental classes of organic (carbon) compounds, and begins the study of aliphatic and aromatic compounds, including nomenclature, structure and isomerism, stereochemistry, types of reactions, common mechanisms and syntheses. Lab includes synthesis, purification by distillation, extraction, recrystallization and chromatography, and identification by physical and chemical means and may include spectroscopic identification. (3 Lec., 4 Lab.)
(Coordinating Board Academic Approval Number 4005045203)

CHEM 2425 Organic Chemistry II (4)

(This is a Texas Common Course Number.)

Prerequisite: Chemistry 2423. This course is for science and science-related majors. It is a continuation of Chemistry 2423. Topics include properties and syntheses of aliphatic and aromatic systems of aldehydes, ketones, carboxylic acids, esters, ethers, alcohols, amines and amides. Spectroscopy is included. Further topics may include polyfunctional and heterocyclic compounds, amino acids, proteins, lipids, and carbohydrates. Laboratory includes spectroscopy and qualitative organic analysis, and further work in synthesis. (3 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 4005045203)

CJLE 2420 Texas Peace Officer Procedures (4)

(This is a WECM Course Number.)

This course is a study of the techniques and procedures used by police officers on patrol. Includes controlled substance identification, handling abnormal persons, traffic collision investigation, note taking and report writing, vehicle operation, traffic direction, crowd control, and jail operations. (3 Lec., 4 Lab.)

CJLE 2421 Texas Peace Officer Law (4)

(This is a WECM Course Number.)

This course is a study of laws that are directly related to police field work. Topics include traffic, intoxicated driver, Penal Code, elements of crimes, the Family Code, Alcoholic Beverage Code, and civil liability. (3 Lec., 4 Lab.)

CJLE 2522 Texas Peace Officer Skills (5)

(This is a WECM Course Number.)

This course includes the demonstration and practice of the skills expected of a police officer. Topics include patrol, traffic stops, use of force, mechanics of arrest, firearms safety and emergency medical care. (4 Lec., 4 Lab.)

CJSA 1382 Cooperative Education - Criminal Justice Studies (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a specific discipline, specific learning objectives guide the student through the paid work experience. The course may be repeated if topics and learning outcomes vary. (1 Lec., 15 Ext.)

CJSA 1482 Cooperative Education - Criminal Justice Studies (4)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a specific discipline, specific learning objectives guide the student through the paid work experience. The course may be repeated if topics and learning outcomes vary. (1 Lec. 20 Ext.)

CJSA 2382 Cooperative Education - Criminal Justice Studies (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a specific discipline, specific learning objectives guide the student through the paid work experience. The course may be repeated if topics and learning outcomes vary. (1 Lec., 15 Ext.)

CJSA 2482 Cooperative Education - Criminal Justice Studies (4)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a specific discipline, specific learning objectives guide the student through the paid work experience. The course may be repeated if topics and learning outcomes vary. (1 Lec., 20 Ext.)

COSC 1300 or any higher level COSC course will meet the core curriculum and/or Associate in Arts or Associate in Sciences requirement.

COSC 1300 Computer Literacy (3)

(This is a Texas Common Course Number.)

The student will develop the ability to use computer-based technology in communicating, acquiring information and solving problems. Additionally, the student will evaluate the effects and implications of information technology on various aspects of society. COSC 1300 may not be applied towards a computer science major or minor.

(2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 1101015107)

COSC 1309 Programming Methodology and Logic Design (3)

(This is a Texas Common Course Number.)

Introduction to problem solving in computer science. Topics include software theory, structured programming methodology, representation of algorithms using pseudocode and graphical tools, and methods for testing, evaluation, and documentation. (3 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 1102015107)

COSC 1401 Microcomputer Concepts and Applications (4)

(This is a Texas Common Course Number.)

This course introduces the use of computers in business organizations, professional activities and personal life. Topics include terminology, hardware and software, applications and systems development, networking and the use of contemporary software. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1101015207)

COSC 1415 Introduction to Computer Science and Programming (4)

(This is a Texas Common Course Number.)

This introductory course is designed to meet the requirements for a four-year degree with a major or minor in computer science, mathematics, or a scientific field. This course focuses on problem solving using modular design techniques implemented with a structured programming language. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015207)

COSC 2415 Advanced Computer Science and Programming (4)

(This is a Texas Common Course Number.)

Prerequisite: Computer Science 1415 and Mathematics 1414 or demonstrated competence approved by the instructor. This course is a continuation of Computer Science 1415 and is designed to meet the requirements for a degree in computer science or a related field. Topics include structured problem-solving, elementary and advanced data structures, the use of pointer variables and references, and an introduction to object-oriented programming. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015307)

COSC 1430 Programming I (4)

(This is a Texas Common Course Number.)

Prerequisite: Computer Science 1315 or Computer Science 1415 or equivalent. Introduction to computer programming in an emerging or alternative programming language. Fundamentals of structured design, development, testing, implementation, and documentation are emphasized. Topics include language syntax, control structures, and program execution logic. This course may be repeated if topics and learning outcomes vary.

(3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015207)

COSC 1436 Programming Fundamentals I (4)

(This is a Texas Common Course Number.)

Introduces the fundamentals concepts of structured programming. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015507)

COSC 1437 Programming Fundamentals II (4)

(This is a Texas Common Course Number.)

Prerequisite: Computer Science 1436 and college-level algebra or higher. Review of control structures and data types with emphasis on structured data types. Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015607)

COSC 2425 Computer Organization and Machine Language (4)

(This is a Texas Common Course Number.)

Prerequisite: COSC 1436 or demonstrated competence approved by the instructor. Basic computer organization; instruction cycle; digital representation of data and instructions; assembly language programming, assembler, macros, subroutines, and program linkages.

(3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015407)

COSC 2430 Programming II (4)

(This is a Texas Common Course Number.)

Prerequisite: Computer Science 1430 or demonstrated competence approved by the instructor. This course is a continuation of Computer Science 1430 and covers advanced features and programming techniques of the language under study. This course may be repeated if topics and learning outcomes vary. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015307)

COSC 2436 Programming Fundamentals III (4)

(This is a Texas Common Course Number.)

Prerequisite: Computer Science 1437. Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1102015707)

CPMT 1305 IT Essentials I: PC Hardware and Software (3)

(This is a WECM Course Number.)

An introduction to information technology and data communication. Includes topics on personal computer hardware and software and basic networking concepts. Licensing/Certification Agency: Cisco Corporation.

(2 Lec., 4 Lab.)

CPMT 1307 Electronic and Computer Skills (3)

(This is a WECM Course Number.)

A study of the information for the assembly of a microcomputer system. Emphasis on the evolution of microprocessors and microprocessor bus structures.

(3 Lec.)

CPMT 1308 Fundamentals of Web Design (3)

(This is a WECM Course Number.)

An introduction to Web site production processes and design elements involving layouts, navigation and interactivity. This course will help students prepare for career opportunities as a Web designer, entry-level Graphical Designer, Web project manager, and Webmaster. Licensing/Certification Agency: Cisco Corporation. (2 Lec., 4 Lab.)

CPMT 1309 IT Essentials II: Network Operating Systems (3)

(This is a WECM Course Number.)

Prerequisite: CPMT 1305 or instructor approval. An overview of network operating systems and specifically covers the Linux Red Hat Network operating system. Students will learn how to use the Linux operating system, the K Desktop Environment (KDE) and GNU Network Object Model (GNOME). Licensing/Certification Agency: Cisco Corporation. (2 Lec., 4 Lab.)

CPMT 1403 Introduction to Computer Technology (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1403. This is a fundamental computer course that provides in-depth explanation of the procedures to utilize hardware and software. Emphasis is on terminology, acronyms, and hands-on activities. The student will define and recognize terms, expressions and phrases associated with computers and use advanced commands in various applications. (3 Lec., 3 Lab.)

CPMT 1405 IT Essentials I: PC Hardware and Software (4)

(This is a WECM Course Number.)

An introduction to information technology and data communication. Includes topics on personal computer hardware and software and basic networking concepts. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

CPMT 1408 Fundamentals of Web Design (4)

(This is a WECM Course Number.)

An introduction to Web site production processes and design elements involving layouts, navigation and interactivity. This course will help students prepare for career opportunities as a Web designer, entry-level Graphical Designer, Web project manager, and Webmaster. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

CPMT 1409 IT Essentials II: Network Operating Systems (4)

(This is a WECM Course Number.)

Prerequisite: CPMT 1405 or instructor approval. An overview of network operating systems and specifically covers the Linux Red Hat Network operating system. Students will learn how to use the Linux operating system, the K Desktop Environment (KDE) and GNU Network Object Model (GNOME). Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

CPMT 1447 Computer System Peripherals (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1403. This course is an in-depth study of principles and practices involved in computer system troubleshooting techniques, programs, and the use of specialized test equipment. The student will develop hardware and software troubleshooting techniques and perform procedures used in troubleshooting. (3 Lec., 3 Lab.)

CPMT 1449 Computer Networking Technology (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1403. This is a beginning course in computer networks with focus on networking fundamentals, terminology, hardware, software, and network architecture. A study of local/wide area networking concepts and networking installations and operations. (3 Lec., 3 Lab.)

CPMT 2232 Computer Integration (2)

(This is a WECM Course Number.)

An advanced course in integration of hardware, software, and applications. Customization of computer systems for specific applications in engineering, multi-media, or data acquisition. (2 Lec.)

CPMT 2233 Computer Integration (2)

(This is a WECM Course Number.)

An advanced course in integration of hardware, software, and applications. Customization of computer systems for specific applications in engineering, multi-media, or data acquisition. (2 Lec.)

CPMT 2334 Network Security (3)

(This is a WECM Course Number.)

Prerequisite: CCNA 4 or current CCNA certification. Focus on overall security processes with particular emphasis on hands-on skills in the following areas: security policy design and management; security technologies, products and solutions; firewall and secure router design, installation, configuration and maintenance; AAA implementation using routers and firewalls; VPN implementation using routers and firewalls. Licensing/Certification Agency: Cisco Corporation. (2 Lec., 4 Lab.)

CPMT 2434 Network Security (4)

(This is a WECM Course Number.)

Prerequisite: CCNA 4 or current CCNA certification. Focus on overall security processes with particular emphasis on hands-on skills in the following areas: security policy design and management; security technologies, products and solutions; firewall and secure router design, installation, configuration and maintenance; AAA implementation using routers and firewalls; VPN implementation using routers and firewalls. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

CPMT 2437 Microcomputer Interfacing (4)

(This is a WECM Course Number.)

Prerequisite: CETT 2435. An interfacing course exploring the concepts and terminology involved in interfacing the internal architecture of the microcomputer with commonly used external devices. (3 Lec., 3 Lab.)

CPMT 2445 Computer System Troubleshooting (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. This course covers principles and practices involved in computer system troubleshooting techniques and repair procedures including advanced diagnostic test programs and the use of specialized test equipment. The student will develop hardware and software troubleshooting techniques and perform procedures used in troubleshooting. (3 Lec., 3 Lab.)

CREX 1309 Career Exploration/Planning (3)

(This is a WECM Course Number.)

An introduction to the process of career decision-making, educational planning, and job searching. Topics include analyzing personal career interests, values, and aptitudes; surveying and researching career fields with related educational and training requirements; practicing the decision-making process; and basic job search skills such as completing applications, writing letters of application, developing and using resumes and interviewing. (3 Lec.)

CRIJ 1301 Introduction to Criminal Justice (3)

(This is a Texas Common Course Number.)

This course is a study of history and philosophy of criminal justice including ethical considerations. Topics include the definition of crime, the nature and impact of crime, an overview of the criminal justice system, law enforcement, court system, prosecution and defense, trial process, and corrections. (3 Lec.)

(Coordinating Board Academic Approval Number 4301045124)

CRIJ 1306 Court Systems and Practices (3)

(This is a Texas Common Course Number.)

The judiciary in the criminal justice system is explained. The structure of the American Court System is defined. Prosecutorial right to counsel is explained. Other areas covered are pretrial release, grand juries, adjudication process, and types of rules of evidence and sentencing. (3 Lec.)

(Coordinating Board Academic Approval Number 2201015424)

CRIJ 1307 Crime in America (3)

(This is a Texas Common Course Number.)

American crime problems are studied in the historical perspective. Social and public policy factors affecting crime are discussed. The impact of crime and crime trends are shown along with the social characteristics of specific crimes. The prevention of crime is emphasized. (3 Lec.)

(Coordinating Board Academic Approval Number 4504015225)

CRIJ 1310 Fundamentals of Criminal Law (3)

(This is a Texas Common Course Number.)

A study of the nature of criminal law is presented. The philosophical and historical development of criminal law is covered. Major definitions and concepts are given. The classification of crime is covered. The elements of crimes and penalties are discussed using Texas statutes as illustrations. Criminal responsibility is defined. (3 Lec.)

(Coordinating Board Academic Approval Number 2201015324)

CRIJ 1313 Juvenile Justice System (3)

(This is a Texas Common Course Number.)

A study of the juvenile justice process. Topics include specialized juvenile law, role of the juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies, and theories concerning delinquency. (3 Lec.)

(Coordinating Board Academic Approval Number 4301045224)

CRIJ 2301 Community Resources in Corrections (3)

(This is a Texas Common Course Number.)

An overview of diversionary practices and treatment programs available to offenders in a local context. Topics include selected recognized models and future trends in community treatment. (3 Lec.)

(Coordinating Board Academic Approval Number 4301045324)

CRIJ 2313 Correctional Systems and Practices (3)

(This is a Texas Common Course Number.)

A study of the role of corrections in the criminal justice system. Topics include organization and theory of correctional systems, institutional operations, management, alternatives to institutionalization, treatments and rehabilitation, and current and future issues. (3 Lec.)

(Coordinating Board Academic Approval Number 4301045424)

CRIJ 2314 Criminal Investigation (3)

(This is a Texas Common Course Number.)

Prerequisite: CRIJ 1301. Study of investigative theory, the collection and preservation of evidence, sources of information, concepts of interviewing and interrogation, the use of forensic sciences, and trial preparation. (3 Lec.)

(Coordinating Board Academic Approval Number 4301045524)

CRIJ 2323 Legal Aspects of Law Enforcement (3)

(This is a Texas Common Course Number.)

This course covers police authority, responsibilities, and constitutional constraints. Topics include laws of arrest, search and seizure, and police liability. (3 Lec.)

(Coordinating Board Academic Approval Number 4301045624)

CRIJ 2328 Police System and Practices (3)

(This is a Texas Common Course Number.)

Exploration of the profession of police officer. Topics include organization of law enforcement systems, the police role, police discretion, ethics, police-community interaction, and current and future issues. (3 Lec.)

(Coordinating Board Academic Approval Number 4301045724)

DANC 1101 Composition I (1)

(This is a Texas Common Course Number.)

Prerequisite: Demonstrated competence approved by the instructor. Development of basic principles and theories involved in composition are studied. Emphasis is placed on movement principles, group and structural forms. This course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 5003015526)

DANC 1102 Composition II (1)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1101 and demonstrated competence approved by the instructor. This course is a continuation of Dance 1101. This course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 5003015526)

DANC 1110 Tap I (1)

(This course is considered as a PHED activity course.)

This course explores basic tap techniques. Emphasis on technique development and familiarity with traditional tap rhythms and steps. This course may be repeated for credit.

(1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1111 Tap II (1)

(This course is considered as a PHED activity course.)

Prerequisite: Dance 2111 or demonstrated competence approved by instructor. This course continues and further develops an exploration of Dance 1110. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1112 Coaching and Repertoire (1)

(This is a Texas Common Course Number.)

Prerequisite: Demonstrated competence approved by the instructor. Variations (male and female) and pas de deux from standard ballet repertoire are studied and notated. The dancer is given individual coaching, with special attention given to the correction of problems. This course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 5003015326)

DANC 1113 Improvisation (1)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1248, Dance 1342, or Dance 1346. This course consists of creative problem-solving utilizing basic elements of design. This course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 5003015326)

DANC 1141 Ballet Technique (1)

(This is a Texas Common Course Number.)

For the serious ballet dancer who wishes to take additional days of ballet dance appropriate for Ballet Level II, III, and IV. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1149 Folklorico I (1)

(This is a Texas Common Course Number.)

A study of latin dance forms. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1150 Folklorico II (1)

(This is a Texas Common Course Number.)

A continuation of Folklorico I. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1151 Rehearsal and Performance I (1)

(This is a Texas Common Course Number.)

This course supplements beginning dance technique classes. Basic concepts of approaching work on the concert stage: stage directions, stage areas, and the craft involved in rehearsing and performing are emphasized. This course may be repeated for credit. (4 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1212 Dance Practicum I (2)

(This is a Texas Common Course Number.)

A practicum and production in dance. The production portion will be a culmination experience that applies concepts to the practicum of dance as a performing art. This course may be repeated for credit. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 5003015326)

DANC 1213 Dance Practicum II (2)

(This is a Texas Common Course Number.)

A continuation of Level I with a deeper exploration of more complex concepts and dance lighting awareness. This course may be repeated for credit. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 5003015326)

DANC 1247 Jazz I (2)

(This is a Texas Common Course Number.)

The basic skills of jazz dance are introduced. Emphasis is on technique and development, rhythm awareness, jazz styles, and rhythmic combinations of movement. This course may be repeated for credit. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1248 Jazz II (2)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1247 or demonstrated competence approved by the instructor. Work on skills and style in jazz dance is continued. Technical skills, combinations of steps into dance patterns, and exploration of composition in jazz form are emphasized. This course may be repeated for credit. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1341 Ballet I (3)

(This is a Texas Common Course Number.)

This course explores basic ballet structure and terminology. Included are posture, balance, coordination, rhythm, and flow of physical energy through the art form. Instruction in beginning adagio, petit allegro, grand allegro, inside and outside turns and various jumps are studied. This course may be repeated for credit. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1342 Ballet II (3)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1341. This course is a continuation of Dance 1341. Emphasis is on body directions and stamina. More complex combinations using advanced patterning will be studied. This course may be repeated for credit. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1345 Modern I (3)

(This is a Texas Common Course Number.)

This course explores basic modern techniques. Emphasis is on technique development, and familiarity with contemporary meters and rhythms. An awareness of major influences on concert dance is developed. This course may be repeated for credit. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 1346 Modern II (3)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1345. This course continues and further develops an exploration of Dance 1345. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 2102 Body Conditioning (1)

(This course is considered as a PHED activity course.)

Stretching and toning at the dancer's instrument. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

DANC 2103 Hip Hop I (1)

(This course is considered as a PHED activity course.)

This course explores basic hip hop techniques. Emphasis is on technique development and familiarity with contemporary meters and rhythms. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

DANC 2104 Hip Hop II (1)

(This course is considered as a PHED activity course.)

Prerequisite: Dance 2103 or demonstrated competence approved by instructor. This course continues and further develops an exploration of Dance 2103. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

DANC 2105 Street Dance (1)

(This course is considered as a PHED activity course.)

Choreographic Hip-Hop and jazz-fusion. This course may be repeated for credit. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

DANC 2106 Video Dance (1)

(This course is considered as a PHED activity course.)

A study of techniques, styles and vocabulary of dancing for music videos, television and commercial work. (1 Lec., 1 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

DANC 2212 Musical Comedy Dance I (2)

(This is a Texas Common Course Number.)

A study of musical comedy dance patterns, steps and styles. This course may be repeated for credit. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015326)

DANC 2213 Musical Comedy Dance II (2)

(This is a Texas Common Course Number.)

A continuation of Musical Comedy Dance I. This course may be repeated for credit. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015326)

DANC 2247 Jazz III (2)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1248. This course consists of the development of proper performance framing. Complex jazz rhythms, turns, jumps, and intricate elements of choreography are introduced. This course may be repeated for credit. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 2248 Jazz IV (2)

(This is a Texas Common Course Number.)

Prerequisite: Dance 2247. This course is a further exploration of Dance 2247. This course may be repeated for credit. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 2303 Dance Appreciation (3)

(This is a Texas Common Course Number.)

The cultural, historical and aesthetic qualities of dance are presented through lectures, films, videos, demonstrations and dance productions. Primitive, classical and contemporary dance forms are included. (3 Lec.)

(Coordinating Board Academic Approval Number 5003015426)

DANC 2341 Ballet III (3)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1342. The development of ballet techniques is continued. More complicated exercises at the barre and center floor are included. Emphasis is on long series of movements, adagio and jumps. Precision of movement is stressed. This course may be repeated for credit. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 2342 Ballet IV (3)

(This is a Texas Common Course Number.)

Prerequisite: Dance 2341. Individual proficiency, artistry and technical virtuosity are developed. This course may be repeated for credit. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 2345 Modern III (3)

(This is a Texas Common Course Number.)

Prerequisite: Dance 1346. This course consists of the development of complex falls, combinations, phrasing, and dramatic emphasis. This course may be repeated for credit. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DANC 2346 Modern IV (3)

(This is a Texas Common Course Number.)

Prerequisite: Dance 2345. This course is a further exploration of Dance 2345. This course may be repeated for credit. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5003015226)

DCLS 0100 College Learning Skills (1)

This course is for students who wish to extend their learning skills for academic or career programs. Individualized study and practice are provided in reading, study skills, and composition. This course may be repeated for a maximum of three credits. Students may enroll in up to three different sections of CLS during one semester. This course does not count as Texas Success Initiative (TSI) remediation. (1 Lec.)

DCOM 0095 Communication Skills (3)

This course focuses on strengthening language communications. Topics include grammar, paragraph structure, reading skills, and oral communication. Emphasis is on individual testing and needs. This course should not be used for Texas Success Initiative (TSI) remediation. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085178)

DCOM 0120 Communication Skills (3)

This course is for students with significant communication problems. It is organized around skill development, and students may enroll at any time (not just at the beginning of a semester) upon the referral of an instructor. Emphasis is on individual needs and personalized programs. Special attention is given to oral language. Contacts are made with other departments to provide other ways of learning for the students. This course should not be used for Texas Success Initiative (TSI) remediation. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 3201085178)
(1 Lec., 3 Lab.)

DFTG 1341 Intermediate Technical Animation and Rendering (3)

(This is a WECM course number.)

Prerequisite: DFTG 1302. Procedures in the manipulation and control of lights, cameras, materials, texturing and rendering techniques used in technical animation; topics include introductory keyframing and lens effects principles. (2 Lec., 4 Lab.)

DFTG 1344 Pipe Drafting (3)

(This is a WECM Course Number.)

A study of pipe fittings, symbols, specifications and their applications to a piping process system. This application will be demonstrated through the creation of symbols and their usage in flow diagrams, plans, elevations, and isometrics. (2 Lec., 4 Lab.)

DFTG 1373 CAD/Graphic Processes (3)

(This is a WECM Local Need Course.)

A course in creating, printing, and plotting graphics in CAD drawings. Skill development in importing text and raster graphics into CAD drawings, importing CAD vector graphics into desktop documents, scanning and editing raster graphics into CAD drawings, and publishing documents. Projects in coordinating text and graphics within a desktop publishing program will include printing black and white, and color publications. (2 Lec., 4 Lab.)

DFTG 1391 Special Topics in Drafting (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

DFTG 1405 Technical Drafting (4)

(This is a WECM Course Number.)

Introduction to the principles of drafting to include terminology and fundamentals, including size and shape descriptions, projection methods, geometric construction, sections, auxiliary views, and reproduction processes. This course is cross-listed as DFTG 1305. The student may register for either DFTG 1405 or DFTG 1305, but may receive credit for only one of the two.

(2 Lec., 4 Lab./2 Lec., 6 Lab.)

DFTG 1409 Basic Computer-Aided Drafting (4)

(This is a WECM Course Number.)

An introduction to basic computer-aided drafting. Emphasis is placed on drawing setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating and scaling objects, adding text and dimensions, using layers coordinating systems; as well as input and output devices. This course is cross-listed as DFTG 1309. The student may register for either DFTG 1409 or DFTG 1309, but may receive credit for only one of the two. (2 Lec., 6 Lab.)

DFTG 1417 Architectural Drafting - Residential (4)

(This is a WECM Course Number.)

Architectural drafting procedures, practices and symbols, including preparation of detailed working drawings for residential structure with emphasis on light frame construction methods. (2 Lec., 6 Lab.)

DFTG 1421 Architectural Illustration (4)

(This is a WECM Course Number.)

Architectural drawing and sketching, including freehand drawing, perspectives, delineation in various media and development of students' graphical expression, including an introduction to various reproduction methods.

(2 Lec., 6 Lab.)

DFTG 1491 Special Topics in Drafting and Design Technology/Technician, General (4)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

DFTG 2310 Structural Drafting (3)

(This is a WECM Course Number.)

Discussion of detail drawings of structural shapes for fabrication with emphasis on framed and seated connectors and beam and column detailing. Designed to meet the standards of American Institute of Steel Construction, including units on concrete detailing conforming to American Concrete Institute standards. (2 Lec., 4 Lab.)

DFTG 2328 Architectural Drafting - Commercial (3)

(This is a WECM course number.)

Architectural drafting procedures, practices, and symbols including the preparation of detailed working drawings for a commercial building, with emphasis on construction methods. This course is cross-listed as DFTG 2428. The student may register for either DFTG 2328 or DFTG 2428, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

DFTG 2336 Computer-Aided Drafting Programming (3)

(This is a WECM Course Number.)

Emphasis on the productivity of CAD software through development of computer-aided drafting programs with emphasis on database design, access techniques, and structure methods with particular application in engineering graphics. (2 Lec., 4 Lab.)

DFTG 2337 Advanced Technical Animation and Rendering (3)

(This is a WECM Course Number.)

Prerequisite: DFTG 1341. The implementation and orchestration of advanced technical three dimensional animation techniques such as hierarchical linking, forward and inverse kinematics, character development, and particle dynamics. Course projects reflect current practices in the architectural, engineering, or construction disciplines. (2 Lec., 4 Lab.)

DFTG 2344 Strength of Materials (3)

(This is a WECM Course Number.)

The study of internal effects of forces acting upon elastic bodies and the resulting changes in form and dimensions, including units on stress, shear, bending moments, and simple beam design. (2 Lec., 4 Lab.)

DFTG 2350 Geometric Dimensioning and Tolerancing (3)

(This is a WECM Course Number.)

Geometric dimensioning and tolerancing, according to standards, application of various geometric dimensions and tolerances to production drawings. (2 Lec., 4 Lab.)

DFTG 2380 Cooperative Education-Drafting (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. (1 Lec., 20 Lab.)

DFTG 2381 Cooperative Education-Drafting (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. (1 Lec., 15 Lab.)

DFTG 2402 Machine Drafting (4)

(This is a WECM Course Number.)

Production of detail and assembly drawings of machines, threads, gears, cams, tolerances and limit dimensioning, surface finishes, and precision drawings. (2 Lec., 6 Lab.)

DFTG 2419 Intermediate Computer-Aided Drafting (4)

(This is a WECM Course Number.)

Prerequisite: Basic Computer-Aided Drafting or the approval of the instructor. The fundamentals of computer aided drafting using an alternative computer aided drafting program. Emphasis is placed on drawing set-up; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects; adding text and dimensions; using layers and coordinating systems; as well as using input and output devices. (2 Lec., 6 Lab.)

DFTG 2428 Architectural Drafting - Commercial (4)

(This is a WECM Course Number.)

Prerequisite: Basic Architectural Drafting Skills or the approval of the instructor. Architectural drafting procedures, practices, and symbols including the preparation of detailed working drawings for a commercial building, with emphasis on commercial construction methods. This course is cross-listed as DFTG 2328. The student may register for either DFTG 2428 or DFTG 2328, but may receive credit for only one of the two. (2 Lec., 6 Lab.)

DFTG 2431 Advanced Technologies in Architectural Design and Drafting (4)

(This is a WECM Course Number.)

Prerequisite: DFTG 1417. Use of architectural specific software to execute the elements required in designing standard architectural exhibits utilizing custom features to create walls, windows and specific design requirements for construction in residential/commercial and industrial architecture. (2 Lec., 6 Lab.)

DFTG 2432 Advanced Computer-Aided Drafting (4)

(This is a WECM Course Number.)

Exploration of the use of system customization for drawing production enhancement and the principles of data manipulation. Presentation of advanced applications, such as three-dimensional objects creation and linking graphic entities to external non-graphic data. (2 Lec., 6 Lab.)

DFTG 2435 Advanced Technologies in Mechanical Design and Drafting (4)

(This is a WECM Course Number.)

Prerequisite: DFTG 1409. Use parametric based mechanical design software for mechanical assembly design and drafting. (2 Lec., 6 Lab.)

DFTG 2440 Solid Modeling/Design (4)

(This is a WECM Course Number.)

A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work. This course is cross-listed as DFTG 2340. The student may register for either DFTG 2440 or DFTG 2340, but may receive credit for only one of the two. (2 Lec., 6 Lab.)

DLEA 0094 Learning Skills Improvement (1)

Learning skills are strengthened. Emphasis is on individual needs and personalized programs. This course may be repeated if topics and learning outcomes vary. This course should not be used for Texas Success Initiative (TSI) remediation. (2 Lab.)

(Coordinating Board Academic Approval Number 3201015212)

Developmental Mathematics courses offer a review of mathematical skills. Developmental Mathematics 0099 or Developmental Mathematics 0093 satisfies prerequisites for Mathematics 1314, 1324, 1332, 1333, 1414 and 2342. Developmental Mathematics 0097 or Developmental Mathematics 0091 satisfies prerequisites for TECM 1341.

DMAT 0060 Basic Mathematics I (1)

This course is designed to give an understanding of fundamental operations. Selected topics include whole numbers, decimals, and ratio and proportions. (1 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0090 Pre Algebra Mathematics (3)

Prerequisite: An appropriate assessment test score. This course is designed to develop an understanding of fundamental operations using whole numbers, fractions, decimals, and percentages and to strengthen basic skills in mathematics. The course is planned primarily for students who need to review basic mathematical processes. This is the first three-hour course in the developmental mathematics sequence. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0091 Elementary Algebra (3)

Prerequisite: Developmental Mathematics 0090 or an appropriate assessment test score. This is a course in introductory algebra which includes operations on real numbers, polynomials, special products and factoring, rational expressions, and linear equations and inequalities. Also covered are graphs, systems of linear equations, exponents, roots, radicals, and quadratic equations. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0093 Intermediate Algebra (3)

Prerequisite: One year of high school algebra and an appropriate assessment test score or Developmental Mathematics 0091. This course includes further development of the terminology of sets, operations on sets, properties of real numbers, polynomials, rational expressions, linear equations and inequalities, the straight line, systems of linear equations, exponents, roots, and radicals. Also covered are products and factoring, quadratic equations and inequalities, absolute value equations and inequalities, relations, functions, and graphs. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045219)

DMAT 0096 Essential Math (3)

This course is designed primarily for students who need to review basic mathematical processes. Students will develop an understanding of fundamental operations using fractions, decimals, and percentages to strengthen basic skills in mathematics. This is a first course in the developmental mathematics sequence. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0097 Algebra Fundamentals I (3)

Prerequisite: Developmental Mathematics 0096 or 0090 or an appropriate assessment test score. This is a course in introductory algebra which includes operations on real numbers, polynomials, special products and factoring, and linear equations. Also covered are graphs, systems of linear equations and simple exponents. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0098 Algebra Fundamentals II (3)

Prerequisite: One year of high school algebra and an appropriate assessment test score or Developmental Mathematics 0097 or Developmental Mathematics 0091. This course is a course in introductory algebra which includes rational expressions, inequalities and quadratic equations. Also included are properties of real numbers, the straight line, absolute value equations and advanced factoring. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0099 Algebra Fundamentals III (3)

Prerequisite: One year of high school algebra and an appropriate assessment test score or Developmental Mathematics 0098. This is a course in intermediate algebra which further develops rational expressions, roots, exponents and radicals. Also covered are quadratic inequalities, relations functions and graphs and system of non-linear equations. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045219)

DMAT 0100 Review of Basic Mathematical Concepts (1)

Prerequisite: Developmental Mathematics 0093 or Developmental Mathematics 0098. This course is for students who have not passed the mathematics section of the Texas Success Initiative (TSI). Topics covered will include: real numbers; graphs, charts and tables; solving linear and quadratic equations; algebraic expressions; solving problems involving geometric concept and applied reasoning skills. This course cannot be used as a prerequisite for any college-level mathematics course. This course may be repeated for a maximum of 3 credits. (1 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0200 Review of Fundamental Mathematical Concepts (2)

Prerequisite: Developmental Mathematics 0093 or Developmental Mathematics 0099 or consent of instructor. This is a review course for students who have completed and passed the recommended developmental mathematics sequence of courses. Emphasis is on individual needs. This course cannot be used as a prerequisite for any college-level mathematics course. This course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0300 Review of Algebraic and Geometric Concepts (3)

Prerequisite: Developmental Mathematics 0093 or Developmental Mathematics 0099. This is a review course for students who have completed and passed the recommended developmental mathematics sequence of courses. Topics include test-taking strategies and practice as well as Texas Success Initiative (TSI) related mathematical concepts. This course cannot be used as a prerequisite for any college-level mathematics course. (3 Lec.)

(Coordinating Board Academic Approval Number 3201045119)

DMAT 0400 Review of Fundamental Algebraic Concepts (4)

Prerequisite: Developmental Mathematics 0093 or Developmental Mathematics 0099. This is a review course for students who have completed and passed the recommended developmental mathematics sequence of courses. Topics include basic operations of real numbers; analysis and interpretation of graphs and tables; solutions and graphs of linear, absolute value and quadratic equations and inequalities; factoring; exponent; principles of geometry; inductive reasoning; and functions. This course cannot be used as a prerequisite for any college-level mathematics course. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 3201045119)

DRAM 1120 Theater Practicum I (1)

(This is a Texas Common Course Number.)

Practicum in theater with emphasis on technique and procedures with experience gained in play productions. This course may be repeated for credit. (3 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 1121 Demonstration Lab (1)

(This is a Texas Common Course Number.)

Scenes studied in various theatre classes are demonstrated to show contrast and different styles. This course may be repeated for credit. (1 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 1142 Introduction to Costume (1)

(This is a Texas Common Course Number.)

Principles and techniques of costume design and construction for theatrical productions. (3 Lab.)

(Coordinating Board Academic Approval Number 5005025326)

DRAM 1161 Musical Theater I (1)

(This is a Texas Common Course Number.)

Study and performance of works from the musical theater repertoire. (3 Lab.)

(Coordinating Board Academic Approval Number 5009036126)

DRAM 1162 Musical Theater II (1)

(This is a Texas Common Course Number.)

Study and performance of works from the musical theater repertoire. (3 Lab.)

(Coordinating Board Academic Approval Number 5009036126)

DRAM 1220 Theater Practicum I (2)

(This is a Texas Common Course Number.)

Practicum in theater with emphasis on technique and procedures with experience gained in play productions. This course may be repeated for credit. (6 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 1221 Theater Practicum II (2)

(This is a Texas Common Course Number.)

Practicum in theater with emphasis on technique and procedures with experience gained in play productions. This course may be repeated for credit. (6 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 1242 Introduction to Costume (2)

(This is a Texas Common Course Number.)

Principles and techniques of costume design and construction for theatrical productions. (6 Lab.)

(Coordinating Board Academic Approval Number 5005025326)

DRAM 1310 Introduction to the Theater (3)

(This is a Texas Common Course Number.)

The various aspects of theatre are surveyed. Topics include plays, playwrights, directing, acting, theatres, artists, and technicians. (3 Lec.)

(Coordinating Board Academic Approval Number 5005015126)

DRAM 1322 Movement for the Stage (3)

(This is a Texas Common Course Number.)

Movement is studied as both a pure form and as it is used in all theatrical styles, and in the development of characterization. (2 Lec. 3 Lab.)

(Coordinating Board Academic Approval Number 5005035326)

DRAM 1323 Theater Workshop (3)

(This is a Texas Common Course Number.)

A course in theatre with emphasis on performance techniques in musical and repertory theatre with practical performance experience. This course may be repeated for credit. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 1330 Stagecraft I (3)

(This is a Texas Common Course Number.)

The technical aspects of play production are studied. Topics include shop procedures, the planning and fabrication of scenic elements, and backstage operations. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 5005025126)

DRAM 1336 Television Production I (3)

(The Texas Common Course Number is COMM 1336.)

Station organization, studio operation, and the use of studio equipment are introduced. Topics include continuity, camera, sound, lights, and videotape recording. This course is cross-listed as COMM 1336. The student may register for either DRAM 1336 or COMM 1336, but may receive credit for only one of the two courses. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1002025206)

DRAM 1337 Television Production II (3)

(The Texas Common Course Number is COMM 1337.)

Prerequisite: Drama 1336. This course is a continuation of Drama 1336. Emphasis is on the concept and technique of production in practical situations. This course is cross-listed as COMM 1337. The student may register for either DRAM 1337 or COMM 1337, but may receive credit for only one of the two courses. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1002025206)

DRAM 1351 Acting I (3)

(This is a Texas Common Course Number.)

The theory of acting and various exercises are presented. Body control, voice, interpretation, characterization, and stage movement are included. Both individual and group activities are used. Specific roles are analyzed and studied. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 5005065126)

DRAM 1352 Acting II (3)

(This is a Texas Common Course Number.)

Prerequisite: Drama 1351 or demonstrated competence approved by the instructor. This course is a continuation of Drama 1351. Emphasis is on characterization and ensemble acting. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 5005065126)

DRAM 2120 Theater Practicum III (1)

(This is a Texas Common Course Number.)

Practicum in theater with emphasis on technique and procedures with experience gained in play productions. This course may be repeated for credit. (3 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 2121 Theater Practicum IV (1)

(This is a Texas Common Course Number.)

Practicum in theater with emphasis on technique and procedures with experience gained in play productions. This course may be repeated for credit. (3 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 2189 Academic Cooperative (1)

(This is a Texas Common Course Number.)

An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of drama. (3 Lab.)

(Coordinating Board Academic Approval Number 2401035212)

DRAM 2220 Theater Practicum III (2)

(This is a Texas Common Course Number.)

Practicum in theater with emphasis on technique and procedures with experience gained in play productions. This course may be repeated for credit. (6 Lab.)

(Coordinating Board Academic Approval Number 5005065326)

DRAM 2289 Academic Cooperative I (2)

An instructional program designed to integrate on-campus study with practical hands-on work experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of drama.

(6 Lab.)

(Coordinating Board Academic Approval Number 2401035212)

DRAM 2324 Broadcast Communications I (3)

(The common course number is COMM 2324.)

Basic techniques of television and video performance are introduced. (3 Lec.)

(Coordinating Board Academic Approval Number 0907015306)

DRAM 2325 Broadcast Communications II (3)

(The common course number is COMM 2325)

Prerequisite: Drama 2324 or demonstrated competence approved by the instructor. This course is a continuation of Drama 2324. Emphasis is on radio and television as mass media and practical applications in both radio and television. (3 Lec.)

(Coordinating Board Academic Approval Number 0907015306)

DRAM 2336 Voice and Articulation (3)

(This is a Texas Common Course Number.)

Students may register for either Speech 1342 or Drama 2336 but may receive credit for only one of the two. Emphasis is on improving voice and pronunciation.

(3 Lec.)

(Coordinating Board Academic Approval Number 5005035226)

DRAM 2351 Acting III (3)

(This is a Texas Common Course Number.)

Emphasis is on individual need of the performer and the various styles of production. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5005065126)

DRAM 2352 Acting IV (3)

(This is a Texas Common Course Number.)

Emphasis is on individual need of the performer and the various styles of production. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5005065126)

DRAM 2361 History of Theater I (3)

(This is a Texas Common Course Number.)

Drama is surveyed from its beginning through the 16th century. The theatre is studied in each period as a part of the total culture of the period. (3 Lec.)

(Coordinating Board Academic Approval Number 5005055126)

DRAM 2362 History of Theater I (3)

(This is a Texas Common Course Number.)

Drama is surveyed from the 17th century through the 20th century. The theatre is studied in each period as a part of the total culture of the period.. (3 Lec.)

(Coordinating Board Academic Approval Number 5005055126)

DRAM 2363 History of Musical Theater I (3)

(This is a Texas Common Course Number.)

Development of Musical theater from the earliest times through the 20th century. (3 Lec.)

(Coordinating Board Academic Approval Number 5005055126)

DRAM 2366 Film Appreciation I (3)

(This is a Texas Common Course Number.)

Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art. (3 Lec.)

(Coordinating Board Academic Approval Number 5006025126)

DRAM 2367 Film Appreciation II (3)

(This is a Texas Common Course Number.)

Prerequisite: DRAM 2366. Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art. (3 Lec.)

(Coordinating Board Academic Approval Number 5006025126)

DRAM 2374 Lighting Design (3)

(This is a Unique Need course.)

The design and techniques of lighting are covered. Topics include instrumentation, electricity, control and practical experience. (2 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 5006025126)

Students can improve their academic success by taking the appropriate reading courses. For an assessment of which course to begin with, talk with a reading faculty member or a counselor.

DREA 0090 Developmental Reading (3)

This course presents basic reading comprehension and vocabulary skills. Basic study skills are introduced. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085212)

DREA 0091 Developmental Reading (3)

This course continues the development of reading comprehension and vocabulary skills. Study skills are also included. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085212)

DREA 0093 Developmental Reading (3)

This course offers further development of reading comprehension, vocabulary, and study skills. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085212)

DREA 0100 College Learning Skills in Reading (1)

This course offers further development of reading comprehension, vocabulary, and study skills for students who have completed the developmental reading series, but have not passed the reading portion of the Texas Success Initiative (TSI). This course may be repeated for a maximum of three credits. (1 Lec.)

(Coordinating Board Academic Approval Number 3201085212)

DREA 0300 Communication Skills in Reading (3)

This course offers basic reading skill training through the use of whole language development. This course is designed for students whose assessment scores indicate special needs. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085212)

DREA 0400 Communication Skills in Reading (4)

This course is for students with significant reading problems. It is organized around reading skill development. Emphasis is on individual needs and personalized programs. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085212)

Students can improve their writing skills by taking Developmental Writing. These courses are offered for three hours of credit.

DWRI 0090 Developmental Writing (3)

This course introduces the writing process. Course topics include practice in getting ideas, writing and rewriting, making improvements, and correcting mistakes. A learning lab is available to provide additional assistance. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085312)

DWRI 0091 Developmental Writing (3)

This course focuses on the writing process. Course topics include inventing, drafting, revising, and editing multi-paragraph papers. Building reading skills, using resources, developing thinking skills, and improving attitudes toward writing comprise other course topics. A learning lab is available to provide additional assistance. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085312)

DWRI 0093 Developmental Writing (3)

This course refines student writing skills in inventing, drafting, revising, and editing multi-paragraph papers. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085312)

DWRI 0100 Developmental Writing (1)

This course focuses on instruction to prepare students to meet Texas Success Initiative (TSI) requirements. This course is also for students who wish to extend their writing skills for academic or career programs. Individualized study and practice are provided. This course may be repeated for a maximum of three credits. (1 Lec.)

(Coordinating Board Academic Approval Number 3201085312)

DWRI 0300 Developmental Writing (3)

This course focuses upon strengthening writing skills. Topics include grammar, paragraph structure, and effective communication strategies. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085312)

DWRI 0400 Developmental Writing (4)

This course is for students with significant writing problems. It is organized around skill development, and students may enroll at any time (not just at the beginning of the semester) upon the referral of an instructor. Contacts are made with other departments to provide other ways of learning for the students. (2 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 3201085312)

NOTE: This course will carry a Dallas County Community College prefix of "ECOL"; however, it may also be identified by a common course number for transfer evaluation purposes. Both are listed in the course description.

ECOL 1305 People and Their Environment (3)

(The Texas Common Course Number is GEOL 1305.)

Environmental awareness and knowledge are emphasized. Topics include pollution, erosion, land use, energy resource depletion, overpopulation, and the effects of unguided technological development. Proper planning of societal and individual action in order to protect the natural environment is stressed. (3 Lec.)

(Coordinating Board Academic Approval Number 0301025301)

ECON 1303 Economics of Contemporary Social Issues (3)

(This is a Texas Common Course Number.)

This course is an application of the basic economic concepts to the study of social issues and issues of public policy. Topics such as the environment, health care, welfare reform, poverty, job security and economic growth are discussed. This course may also serve as preparation for Economics 2301 and Economics 2302, but will not replace either of these courses where they are required in a specific degree plan. (3 Lec.)

(Coordinating Board Academic Approval Number 1904025209)

ECON 2301 Principles of Economics I (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. An introduction to principles of macroeconomics is presented. Economic principles are studied within the framework of classical, Keynesian, monetarist and alternative models. Emphasis is given to national income determination, money and banking, and the role of monetary and fiscal policy in economic stabilization and growth. Other topics include international trade and finance. (3 Lec.)

(Coordinating Board Academic Approval Number 4506015125)

ECON 2302 Principles of Economics II (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. The principles of microeconomics are presented. Topics include the theory of demand, supply, and price of factors. Income distribution and theory of the firm are also included. Emphasis is given to microeconomic applications of international trade and finance as well as other contemporary microeconomic problems. (3 Lec.)

(Coordinating Board Academic Approval Number 4506015125)

ECON 2311 Economics of Global Issues (3)

(This is a Texas Common Course Number.)

This course examines the history and theory of international trade and global economic development. Economic, social, cultural, and political issues which impact the global economy and basic human welfare are studied. This course is cross-listed as Geography 2312. The student may register for either Economics 2311 or Geography 2312, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 4507015225)

EDUC 1301 Introduction to Education (3)

(This is a Texas Common Course Number.)

A study of the role and responsibilities of teachers and school organizations, including an enriched integrated pre-service course and content experience that: 1) provides active recruitment and support of undergraduates interested in a teaching career; 2) provides students with opportunities to participate in early field experiences; 3) provides students with support from college and school faculty in small cohort groups, introducing and analyzing the culture of schooling and classrooms. (3 Lec.)

(Coordinating Board Academic Approval Number 1301015109)

EDUC 1325 Principles and Practices of Multicultural Education (3)

(This is a Texas Common Course Number.)

An examination of cultural diversity found in society and reflected in the classroom. Topics will include the study of major cultures and their influence on lifestyle, behavior, learning, intercultural communication and teaching, as well as psychosocial stressors encountered by diverse cultural groups. (3 Lec.)

(Coordinating Board Academic Approval Number 1301015109)

EDUC 2301 Introduction to Special Education (3)

(This is a Texas Common Course Number.)

An introduction to special education including characteristics, problems, and needs of the exceptional learner. Public and private services available to the handicapped citizen. Field trips may be required. (3 Lec.)

(Coordinating Board Academic Approval Number 1310015109)

EECT 1104 Electronic Soldering (1)

(This is a WECM Course Number.)

The theory of tools and equipment for electronic soldering techniques. The student will select and use appropriate soldering tools and equipment, demonstrate proper soldering techniques, and practice safety procedures. Emphasis will be primarily on terminal and printed circuit board through-hole soldering. This course is cross-listed as EECT 1204. The student may register for either EECT 1104 or EECT 1204, but may receive credit for only one of the two. (2 Lab.)

EECT 1191 Special Topics in Electrical, Electronic And Communications Engineering Technology/Technician (1)

(This is a WECM Course Number.)

Topics in this course address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (1 Lec.)

EECT 1204 Electronic Soldering (2)

(This is a WECM Course Number.)

The theory of tools and equipment for electronic soldering techniques. The student will select and use appropriate soldering tools and equipment, demonstrate proper soldering techniques, and practice safety procedures. Emphasis will be on surface-mount soldering techniques. This course is cross-listed as EECT 1104. The student may register for either EECT 1204 or EECT 1104, but may receive credit for only one of the two. (1 Lec., 2 Lab.)

EECT 1291 Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician (2)

(This is a WECM Course Number.)

Topics in this course address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 1 Lab.)

EECT 1300 Technical Customer Service (3)

(This is a WECM Course Number.)

General principles of customer service within a technical environment. Topics include internal/external customer relationships, time-management, best practices, and verbal and non-verbal communications skills. (3 Lec.)

EECT 1346 Telecommunications Trafficking Engineering (3)

(This is a WECM Course Number.)

Prerequisite: EECT 1403. A study of telecommunications traffic management including blocking avoidance schemes, data collection and analysis and reporting techniques. (3 Lec.)

EECT 1391 Special Topics In Electrical, Electronic and Communications Engineering Technology/Technician (3)

(This is a WECM Course Number.)

Topics in this course address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

EECT 1403 Introduction to Telecommunications (4)

(This is a WECM Course Number.)

An overview of the telecommunications industry. Topics include the history of the telecommunications industry, terminology, rules and regulations and industry standards and protocols. This course is cross-listed as EECT 1303. The student may register for either EECT 1403 or EECT 1303, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

EECT 1440 Telecommunications Transmission Media (4)

(This is a WECM Course Number.)

Fundamentals of telecommunications media, including installation, maintenance, and troubleshooting. Topics address media characteristics and connectorization. (3 Lec., 4 Lab.)

EECT 1442 Telecommunications Outside Plant (4)

(This is a WECM Course Number.)

Prerequisite: EECT 1403. A study of outside plant facilities with emphasis on cabling layout design, splicing, bonding, grounding and facility protection systems. Safety practices and procedures are included. (3 Lec., 3 Lab.)

EECT 1444 Telecommunications Broadband Systems (4)

(This is a WECM Course Number.)

Prerequisite: EECT 1403. A survey of tele-communications broadband transmissions systems including protocols, testing, applications and safety practices. (3 Lec., 3 Lab.)

EECT 1491 Special Topics in Electrical, Electronic and Communications Engineering Technology/Technician (4)

(This is a WECM Course Number.)

Topics in this course address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec., 3 Lab.)

EECT 2380 Cooperative Education - Electrical, Electronic and Communications Engineering Technology/Technician (3)

(This is a WECM course number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. (1 Lec., 20 Ext.)

EECT 2381 Cooperative Education - Electrical, Electronic and Communications Engineering Technology/Technician (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. This course may be repeated if topics and learning outcomes vary. (1 Lec., 20 Ext.)

EECT 2430 Telecommunications Switching (4)

(This is a WECM Course Number.)

Prerequisite: EECT 1403. The operation of telecommunications switching equipment and related software. Topics include installation, testing, maintenance, and troubleshooting. (3 Lec., 3 Lab.)

EECT 2432 Telecommunications Signaling (4)

(This is a WECM Course Number.)

Prerequisite: EECT 1403. The study of signaling schemes in telecommunications. Topics include circuits and systems necessary to implement signaling protocols, conversions and formats. Also included is the study of the history of signaling schemes. (3 Lec., 3 Lab.)

EECT 2433 Telephone Systems (4)

(This is a WECM Course Number.)

A study of installation and maintenance systems including telephone set, public switched networks, local exchanges, networks, two and four wire systems, tip and ringing requirements, and digital transmission techniques. (3 Lec., 3 Lab.)

EECT 2435 Telecommunications (4)

(This is a WECM Course Number.)

Prerequisite: CETT 2439. A study of modern telecommunications systems incorporating microwave, satellite, optical, and wire/cable-based communications systems. Instruction in installation, testing, and maintenance of communications systems components. (3 Lec., 3 Lab.)

EECT 2437 Wireless Telephony Systems (4)

(This is a WECM Course Number.)

Prerequisite: EECT 1401. Principles of wireless/cellular telephony systems to include call processing, hand-off, site analysis, antenna radiation patterns, commonly used test/maintenance equipment and access protocol. (3 Lec., 3 Lab.)

EECT 2439 Communications Circuits (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. This course is a study of communications systems with emphasis on amplitude modulation, frequency modulation, phase modulation, and digital pulse modulation. Discussion of several types of modulators, demodulators, receivers, transmitters, and transceivers. The student will describe the operation of communications receivers and transmitters; measure and troubleshoot communications systems; and describe the use of microwave receivers used in down-links in communications and the geographical regional transponder relationships used to communicate by cell phone. (3 Lec., 3 Lab.)

EECT 2440 Telecommunications Central Office Equipment (4)

(This is a WECM Course Number.)

Prerequisite: EECT 1403. An examination of the theory, operation and maintenance of central office telecommunications equipment. This course is designed to make the student familiar with the installation of telecommunications switching equipment, interpretation of technical documents, and standard practices and procedures including safety procedures. (3 Lec., 3 Lab.)

ELMT 2239 Advanced Programmable Logic Controllers (2)

(This is a WECM Course Number.)

Advanced applications of programmable logic controllers as used in industrial environments including concepts of programming, industrial applications, troubleshooting ladder logic, and interfacing to equipment. (1 Lec., 3 Lab.)

ELMT 2433 Industrial Electronics (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. This course is a study of devices, circuits, and systems primarily used in automated manufacturing and/or process control including computer controls and interfacing between mechanical, electrical, electronic, and computer equipment. Presentation of programming schemes. The student will describe how electronic input and output circuits are used to control automated manufacturing and/or process systems; identify basic elements used for input, output, timing, and control; define how programmable electronic systems use input data to alter output responses; troubleshoot a representative system; and demonstrate how system operation can be altered with software programming. (3 Lec., 3 Lab.)

(Also see Developmental Reading and Developmental Writing.) Additional instruction in writing and reading is available through the Learning Skills Center.

ENGL 1111 Creative Writing (1)

(This is a Texas Common Course Number.)

This course is an imaginative writing workshop. It may include fiction, non-fiction, poetry, or drama. (1 Lec.)
(Coordinating Board Academic Approval Number 2305015112)

ENGL 1301 Composition I (3)

(This is a Texas Common Course Number.)

Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards. This course focuses on student writing. It emphasizes reading and analytical thinking and introduces research skills. Students practice writing for a variety of audiences and purposes. (3 Lec.)
(Coordinating Board Academic Approval Number 2304015112)

ENGL 1302 Composition II (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301 and have met Texas Success Initiative (TSI) standard in Reading and Writing. In this course students refine the writing, research, and reading skills introduced in English 1301. A related goal is the development of critical thinking skills. Writing assignments emphasize argumentation and persuasion. Students will also write a formal research paper. (3 Lec.)
(Coordinating Board Academic Approval Number 2304015112)

ENGL 2307 Creative Writing (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. The writing of fiction is the focus of this course. Included are the short story, poetry, and short drama. (3 Lec.)

(Coordinating Board Academic Approval Number 2305015112)

ENGL 2308 Creative Writing (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. Advanced experience in the techniques of imaginative writing. May include fiction, non-fiction, poetry, or drama. (3 Lec.)

(Coordinating Board Academic Approval Number 2305015112)

ENGL 2311 Technical Writing (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. The technical style of writing is introduced. Emphasis is on the writing of technical papers, reports, proposals, progress reports, and descriptions. (3 Lec.)
(Coordinating Board Academic Approval Number 2311015112)

English In The Sophomore Year

English 2321, 2322, 2323, 2326, 2327, 2328, 2331, 2332, 2333, 2342, and 2343 are independent units of three credit hours each. Any one of these courses will satisfy DCCCD degree requirements in sophomore English.

ENGL 2321 British Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes selections in British Literature organized by movements, schools, periods, or themes. For repeatability purposes, students who take English 2321 should not also take English 2322 or 2323. (3 Lec.)

(Coordinating Board Academic Approval Number 2308015112)

ENGL 2322 British Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes significant works of British and Commonwealth writers from their beginnings through the 18th century. For repeatability purposes, students who take English 2321 should not also take English 2322 or 2323. (3 Lec.)

(Coordinating Board Academic Approval Number 2308015112)

ENGL 2323 British Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes significant works of British and Commonwealth writers from the 19th century to the present. For repeatability purposes, students who take English 2321 should not also take English 2322 or 2323. (3 Lec.)

(Coordinating Board Academic Approval Number 2308015112)

ENGL 2326 American Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes selections in American Literature organized by movements, schools, periods, or themes. For repeatability purposes, students who take English 2326 should not also take English 2327 or 2328. (3 Lec.)

(Coordinating Board Academic Approval Number 2307015112)

ENGL 2327 American Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes significant works of American writers from their beginnings to the 19th century. For repeatability purposes, students who take English 2326 should not also take English 2327 or 2328. (3 Lec.)

(Coordinating Board Academic Approval Number 2307015112)

ENGL 2328 American Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes significant works of American writers from the 19th century to the present. For repeatability purposes, students who take English 2326 should not also take English 2327 or 2328. (3 Lec.)

(Coordinating Board Academic Approval Number 2307015112)

ENGL 2331 World Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes selections in World Literature organized by movements, schools, periods, or themes. For repeatability purposes, students who take English 2331 should not also take English 2332 or 2333. (3 Lec.)

(Coordinating Board Academic Approval Number 1601045213)

ENGL 2332 World Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes significant works representing a variety of cultures from the ancient world to approximately 1600 C.E. For repeatability purposes, students who take English 2331 should not also take English 2332 or 2333. (3 Lec.)

(Coordinating Board Academic Approval Number 1601045213)

ENGL 2333 World Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes significant works representing a variety of cultures from approximately 1600 C.E. to the present. For repeatability purposes, students who take English 2331 should not also take English 2332 or 2333. (3 Lec.)

(Coordinating Board Academic Approval Number 1601045213)

ENGL 2342 Studies in Literature (3)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes selections in literature organized by genre, period, or geographical region. Course descriptions are available each semester prior to registration. This course may be repeated for credit. (3 Lec.)

(Coordinating Board Academic Approval Number 1601045113)

ENGL 2343 Studies in Literature (3)

Prerequisite: English 1301, English 1302 and have met Texas Success Initiative (TSI) standards in Reading and Writing. This course includes selections in literature organized by theme, interdisciplinary content or major author. Course descriptions are available each semester prior to registration. This course may be repeated for credit. (3 Lec.)

(Coordinating Board Academic Approval Number 1601045113)

ENGR 1172 Introduction to Experimental Techniques (1)

(This is a unique need course.)

Prerequisite: MATH 2412 or the equivalent. Electrical Engineering fundamentals laboratory that stresses laboratory procedures; learning use of common laboratory equipment such as power supplies, multimeters, signal generators, and oscilloscopes; making measurements; familiarization with simple DC resistor circuits; Ohm's law; analyzing AC signals, including frequency, period, amplitude, and rms value; inductors, capacitors and DC transients; measuring phase shift in an AC circuit due to an inductor or capacitor; and basics of laboratory report writing. (3 Lab.)

(Coordinating Board Academic Approval Number 1410019110)

ENGR 1201 Introduction to Engineering (2)

(This is a Texas Common Course Number.)

Introduction to engineering as a discipline and a profession. Includes instruction in the application of mathematical and scientific principles to the solution of practical problems for the benefit of society. (2 Lec.)

(Coordinating Board Academic Approval Number 1401015110)

ENGR 1304 Engineering Graphics I (3)

(This is a Texas Common Course Number.)

Introduction to spatial relationships, multiview projection and sectioning, dimensioning, graphical presentation of data, and fundamentals of computer graphics.

(2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 1513015102)

ENGR 1305 Engineering Graphics II (3)

(This is a Texas Common Course Number.)

Introduction to spatial relationships, multiview projection and sectioning, dimensioning, graphical presentation of data, and fundamentals of computer graphics.

(2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 1513015102)

ENGR 1307 Plane Surveying (3)

(This is a Texas Common Course Number.)

Use and care of instruments, note keeping, distance measurements, traverse surveying, areas, angles and elevations, legal principles, elementary map making, plane table and transit methods of topographic map production, field problems related to highway surveying, circular and vertical curves, earthwork, volumes and cost estimates, and triangulation and base lines.

(2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 1511025111)

ENGR 2110 Introduction to Digital Systems Laboratory (1)

(This is a unique need course.)

Prerequisite: COSC 1415. Corequisite: ENGR 2310. Laboratory to accompany ENGR 2310. The purpose of this laboratory is to give students an intuitive understanding of digital circuits and systems. Laboratory exercises include construction of simple digital logic circuits using prototyping kits and board-level assembly of a personal computer. (3 Lab.)

(Coordinating Board Academic Approval Number 1503039111)

ENGR 2300 Applied Linear Algebra (3)

(This is a unique need course.)

Prerequisite: MATH 2315. Matrices, vectors, determinants, linear systems of equations, Gauss-Jordan elimination, vector spaces, basis, eigenvalues, eigenvectors, numerical methods in linear algebra using MATLAB, computer arithmetic, Gaussian elimination, LU factorization, iterative solutions to linear systems, iterative methods for estimating eigenvalues, singular value decomposition, QR factorization. (3 Lec.)

(Coordinating Board Academic Approval Number 1410019210)

ENGR 2301 Engineering Mechanics I - Statics (3)

(This is a Texas Common Course Number.)

Prerequisite: PHYS 2425. Corequisite: MATH 2414. Calculus-based study of composition and resolution of forces, equilibrium of force systems, friction, centroids, and moments of inertia. (3 Lec.)

(Coordinating Board Academic Approval Number 1411015210)

ENGR 2302 Engineering Mechanics II - Dynamics (3)

(This is a Texas Common Course Number.)

Prerequisite: ENGR 2301. Corequisite: MATH 2315. Calculus-based study of dynamics of rigid bodies, force-mass-acceleration, work-energy, and impulse-momentum computation. (3 Lec.)

(Coordinating Board Academic Approval Number 1411015310)

ENGR 2305 Circuits I for Electrical Engineering (3)

(This is a Texas Common Course Number.)

Prerequisite: MATH 2414. Corequisite: MATH 2315. Principles of electrical circuits and systems. DC, transient, and sinusoidal steady-state analysis. This course must have three lecture hours per week and could include one hour per week of a lab. (3 Lec.)

(Coordinating Board Academic Approval Number 1410015110)

ENGR 2310 Introduction to Digital Systems (3)

(This is a unique need course.)

Prerequisite: COSC 1415. Corequisite: ENGR 2110. Introduction to hardware structures and assembly-language concepts that form the basis of the design of modern computer systems. Internal data representation and arithmetic operations in a computer. Basic logic circuits. MIPS assembly language. Overview of PC architecture. (3 Lec.)

(Coordinating Board Academic Approval Number 1503039211)

ENGR 2332 Mechanics of Materials (3)

(This is a Texas Common Course Number.)

Stresses, deformations, stress-strain relationships, torsions, beams, shafts, columns, elastic deflections in beams, combined loading, and combined stresses.

(3 Lec.)

(Coordinating Board Academic Approval Number 1411015110)

ENGT 1401 Circuits I for Engineering Technology (4)

(This is a Texas Common Course Number.)

Prerequisite: MATH 1314, MATH 1414 or the equivalent. Fundamental concepts of electrical science including potential, current and power in DC circuits. Fundamental laws and relationships applied to the analysis of circuits and networks: capacitance, inductance and magnetism; and single-frequency concepts; use of calculators and computer software in design and analysis of circuits. Standard instrumentation used in test and measurement of DC circuits and systems will be introduced.

(3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1503035111)

ENGT 1402 Circuits II for Engineering Technology (4)

(This is a Texas Common Course Number.)

Prerequisite: ENGT 1401 and either MATH 1316 or MATH 2412. Complex AC circuit including transient analysis. Network theorems are applied to the solution of AC circuits. Resonance, filters, AC power and three-phase circuits are covered in detail. Continued application of calculators and computer design and analysis of circuits. Standard instrumentation used in testing AC circuits and systems and measurement of AC circuits and systems will be introduced. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1503035211)

ENGT 1407 Digital Fundamentals (4)

(This is a Texas Common Course Number.)

Prerequisite: MATH 1314, MATH 1414 or the equivalent. Analysis, design, and simulation of combinational and sequential systems using: classical Boolean algebra techniques, laboratory hardware experiments and computer simulation. Introduction to programmable logic devices (PLDs) and application-specific integrated circuits using software tool to the design and analysis of digital logic circuits and systems. Standard instrumentation used in testing digital circuits and systems will be introduced.

(3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 1503035311)

ENTC 1191 Special Topics in Engineering Technology/Technician, General (1)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (1 Lec.)

ENTC 1291 Special Topics in Engineering Technology/Technician, General (2)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec.)

ENTC 1301 Robotics I (3)

(This is a WECM Course Number.)

Prerequisite: Credit or concurrent enrollment in MATH 1414 or the equivalent. An introduction to Robots/Automation. Topics include history, terminology, classification of robots, basic components, control systems, AC and hydraulic servomechanisms, programming, sensors, types of drive, end-of-arm tooling, end effectors, safety and design procedures.

(2 Lec., 3 Lab.)

ENTC 1323 Strength of Materials (3)

(This is a WECM course number.)

Study of the relationship between externally applied forces and internally induced stresses and the resulting deformations in structural members. (2 Lec., 2 Lab.)

ENTC 1343 Statics (3)

(This is a WECM Course Number.)

A study of the composition and resolution of forces and the equilibrium of forces acting on structures. Includes the concepts of friction, moments, couples, centroids, and moment of inertia. (2 Lec., 2 Lab.)

ENTC 1380 Cooperative Education - Engineering Technology, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 20 Ext.)

ENTC 1391 Special Topics in Engineering Technology/Technician, General (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

ENTC 1491 Special Topics in Engineering Technology/Technician, General (4)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

ENTC 2301 Robotics II (3)

(This is a WECM Course Number.)

Prerequisite: ENTC 1301. The study of industrial robots, programming languages, and software integrated to develop work cells and complete robotic systems. Topics include automation basics, interfacing, safety, and design procedures. (2 Lec., 3 Lab.)

ENTC 2380 Cooperative Education - Engineering Technology, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

ENTC 2435 Computer Integrated Manufacturing (4)

(This is a WECM Course Number.)

Prerequisite: ENTC 2301. Concepts of CIM are introduced. Emphasis on using computers to automate a total manufacturing system. Hands-on experiences integrating CAD/CAM, robotics, fluid power, CNC machines, vision systems, recognition equipment, PLCs and conveyor systems. (3 Lec., 3 Lab.)

EPCT 1307 Introduction to Environmental Safety and Health (3)

This is a WECM course number.

An historic overview of environmental safety and health. Emphasis is on the use of occupational safety and health codes. (2 Lec., 3 Lab.)

EPCT 1327 Water Treatment and Operations (3)

(This is a WECM Course Number.)

Study of conventional water treatment plants including administration and management. Emphasis on the operation of motors, pumps, and disinfection in small water plants. (2 Lec., 3 Lab.)

The English for Speakers of Other Languages ESOL credit curriculum is designed to develop a student's pre-academic language proficiency in the areas of listening, speaking, reading, and writing. The plan of study consists of sixteen courses divided into four proficiency levels and four skill areas (Listening-Speaking, Reading, Writing, and Grammar). The credit curriculum is designed to interface both with other ESOL programs and with developmental studies or college level programs on each campus. A student enters this program by taking an English placement test and then by being advised by a specially trained ESOL academic advisor.

ESOL 0031 - ESOL 0034 (Listening/Speaking)

These courses prepare students to communicate orally in both public and academic environments. Emphasis is placed on developing language functions, pronunciation, and listening skills, and improving social and intercultural communication skills. Activities range from one-on-one conversation and brief descriptions to formal oral presentations and debates.

ESOL 0041 - ESOL 0044 (Reading)

These courses engage students in reading material from daily experience and prepare them for college reading tasks. Each course instructs students in reading skills, vocabulary development, critical thinking skills, and the use of resources.

ESOL 0051 - ESOL 0054 (Writing)

These courses are designed to help students increase fluency and build confidence in writing. The courses focus on writing as a process. Through inventing, drafting, and revising, students write for specific audiences and purposes.

ESOL 0061 - ESOL 0064 (Grammar)

These courses are designed to complement the ESOL 0051-0054 writing series. They provide instruction and practice with discrete grammar points necessary for effective writing.

El programa de credito academico de Ingles Como Segundo Idioma ESOL esta diseñado para desarrollar el dominio del idioma pre-academico del estudiante en las areas de escuchar, hablar, leer y escribir. El plan de estudio consiste en dieciseis cursos divididos en cuatro niveles de dominio y cuatro areas de habilidades (Escuchar/Hablar, Lectura, Escritura y Gramatica). El programa de credito academico esta disenado para complementar otros programas de ESOL y con los estudios de desarrollo o programas de nivel universitario de cada campus. El estudiante comienza este programa al tomar un examen de clasificacion y despues de una entrevista individual con un asesor academico entrenado especialmente en ESOL.

ESOL 0031 - ESOL 0034 (Escuchar y Conversar)

Estos cursos preparan al alumno para comunicarse con confianza en situaciones sociales y academicas. Se desarrollan las varias funciones del lenguaje, se mejora la pronunciacion y comprension auditiva y se practica la comunicacion academica y transcultural. Las actividades didacticas incluyen describir lugares y objetos, proyectos en grupo, presentaciones orales y debates formales.

ESOL 0041 - ESOL 0044 (Lectura)

Estos cursos permiten a los estudiantes el acceso a material de lectura de la vida diaria y los prepara para tareas de lectura academica. Cada curso instruye a los estudiantes en habilidades de lectura, desarrollo de vocabulario, pensar en forma critica y el uso de los varios recursos disponibles en la institucion.

ESOL 0051 - ESOL 0054 (Escritura)

Estos cursos estan diseñados con el objeto de ayudar los alumnos a obtener fluidez y confianza en escritura. Los cursos se enfocan en el proceso de escritura. A traves de crear, planear y revisar, los estudiantes produzcan escritos para diferentes audiencias y con diversos propósitos.

ESOL 0061 - ESOL 0064 (Gramatica)

Estos cursos estan disenados para complementar la serie de Escritura 0051-0054. Dichos cursos proveen instruccion y ejercicios practicos, asi como puntos esenciales de gramatica necesarios para la efectiva comunicacion escrita.

ESOL 0031 ESL Listening/Speaking (3)

This course focuses on developing basic social and pre-academic listening and speaking skills. It includes skills such as describing, giving directions, and learning to understand explanations. Conversation conventions will be practiced as well as non-verbal communication skills. (Pronunciation is introduced through the study of basic phonetic segments and intonation patterns.) (3 Lec.)
(Coordinating Board Academic Approval Number 3201085578)

ESOL 0032 ESL Listening/Speaking (3)

This course develops intermediate social and pre-academic listening and speaking skills through situational activities. Students will express ideas and opinions in small groups and learn to understand and react appropriately. Intercultural communication will be incorporated. (Pronunciation skills will be practiced through identifying phonetic correctness and applying concepts of stress and intonation.) (3 Lec.)
(Coordinating Board Academic Approval Number 3201085578)

ESOL 0033 ESL Speaking (3)

This course develops public/academic oral language skills through active participation in group projects and presentations. Rhetorical skills such as narration and description will be practiced, and improving cross-cultural communication skills will be emphasized. (Pronunciation skills, including stress and intonation, will be refined with focused effort on areas of need through monitoring of oral production.) (3 Lec.)
(Coordinating Board Academic Approval Number 3201085578)

ESOL 0034 ESL Academic Speaking (3)

This course stresses academic speaking skills. Students learn formal presentation techniques as they defend a point of view and participate in seminars, panels, and debates. Formal rhetorical skills such as cause/effect, process, and summary will be practiced. The course will emphasize the value of cultural diversity. (Pronunciation skills, including stress and intonation, will continue to be refined with focused effort on areas of need through monitoring of oral production.) (3 Lec.)
(Coordinating Board Academic Approval Number 3201085578)

ESOL 0041 ESL Reading (3)

This course focuses on language development through reading activities. It includes reading comprehension, vocabulary building, study skills techniques, and intercultural sharing. (3 Lec.)
(Coordinating Board Academic Approval Number 3201085678)

ESOL 0042 ESL Reading (3)

This course continues language development through reading comprehension and vocabulary building. It introduces paragraph organization, idiom study, and adapting reading rate for different purposes. (3 Lec.)
(Coordinating Board Academic Approval Number 3201085678)

ESOL 0043 ESL Reading (3)

This course includes specific reading comprehension skills, reading efficiency strategies, critical thinking skills, vocabulary expansion, and the use of campus resources such as labs and libraries. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085678)

ESOL 0044 ESL Reading (3)

This course is designed to build on skills taught in previous reading classes but with a more academic emphasis. Students are taught reading skills and critical thinking skills as they relate to academic topics and to literature. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085678)

ESOL 0045 Developmental Reading for Non-Native Speakers (1)

This course provides individualized instruction in order to fulfill the Texas Success Initiative (TSI) remediation requirement for reading. The content will include a review of reading comprehension, vocabulary development and critical thinking skills. This course is only open to students whose first language is not English. (1 Lec.)

(Coordinating Board Academic Approval Number 3201085478)

ESOL 0051 ESL Writing (3)

This course stresses the creation of sentences and groups of sentences. It also introduces basic spelling rules and vocabulary development. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

ESOL 0052 ESL Writing (3)

This course introduces the development of controlled and guided paragraphs using a variety of organizational structures and stresses logic patterns of English. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

ESOL 0053 ESL Writing (3)

This course stresses the process of paragraph writing and the characteristics of effective paragraph structure. It also introduces modes of discourse such as description, cause-effect, and comparison-contrast. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

ESOL 0054 ESL Writing (3)

This course emphasizes modes of discourse in expository writing for academic purposes. Particular attention is given to improving unity, coherence, transition, and style as students progress to multi-paragraph compositions. Paraphrasing and summarizing are also introduced.

(3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

ESOL 0055 ESL Writing (1)

This course provides individualized instruction in order to fulfill the Texas Success Initiative (TSI) remediation requirement for writing. Content will include a review of single and multi-paragraph compositions, sentence structure, and edited American usage. This course is open only to students whose first language is not English.

(1 Lec.)

(Coordinating Board Academic Approval Number 3201085478)

ESOL 0061 ESL Grammar (3)

This course introduces the basic aspects of English grammar needed to write simple and compound sentences. It includes the study of basic verb tenses, parts of speech, subject-verb agreement, and question formation. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

ESOL 0062 ESL Grammar (3)

This course reviews basic elements of English grammar introduced in ESOL 0061 and introduces grammar points necessary for writing controlled paragraphs. It includes further study of verb tenses, parts of speech, and question formation and introduces two-word verbs, modals, gerunds, and infinitives. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

ESOL 0063 ESL Grammar (3)

This course reviews grammar points studied in ESOL 0061 and ESOL 0062 and introduces elements necessary for students to write effective one-paragraph essays. It continues the study of verb tenses, parts of speech, and modals and introduces adverb, adjective, and noun clauses. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

ESOL 0064 ESL Grammar (3)

This course reviews grammar points studied in ESOL 0061, ESOL 0062, and ESOL 0063 and analyzes complex elements of those points. In addition, it introduces passive voice and conditional sentences. (3 Lec.)

(Coordinating Board Academic Approval Number 3201085778)

FDNS 1309 Nutrition in the Community (3)

(This is a WECM Course Number.)

Prerequisite: RSTO 1317 or NUTR 1322. A study of the nutritional status of populations at the national, state, and local community levels. Socioeconomic cultural, and psychological influences on eating behavior, national and state health objectives, marketing strategies for objective implementation and community nutrition programs serving risk-group populations. Basic teaching/counseling methods for the nutrition education of small groups and individual clients/patients. (3 Lec., 1 Lab.)

FDNS 1391 Special Topics in Foods and Nutrition Studies, General (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledges, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec., 1 Lab.)

FIRT 1303 Fire and Arson Investigation I (3)

(This is a WECM Course Number.)

In-depth study of basic fire and arson investigation practices. Emphasis on fire behavior principles related to fire cause and origin determination. (3 Lec.)

FIRT 1305 Public Education Programs (3)

(This is a WECM Course Number.)

Preparation of firefighters and fire officers to develop public fire safety awareness. Emphasis is on implementation of fire and public safety programs in an effort to reduce the loss of life. Methods such as industrial safety demonstration, extinguishment techniques, public relations, and news media relations are also emphasized. (3 Lec.)

FIRT 1309 Fire Administration I (3)

(This is a WECM Course Number.)

Introduction to the organization and management of a fire department and the relationship of government agencies to the fire services. Emphasis is on fire service leadership from the perspective of the company officer. Social organizations, communications, decision-making are also studied. (3 Lec.)

FLMC 1331 Computers in Video Production I (3)

(This is a WECM Course Number.)

Introduction to the applications of computers to video production. Topics include the design of PC computer graphic workstations and development of a rationale for selecting software, hardware, and peripherals. (2 Lec., 4 Lab.)

FMKT 1401 Floral Design (4)

(This is a WECM Course Number.)

Principles of floral art with an emphasis in commercial design. Topics include basic design styles and color harmonies; identification, use, and the care and processing of cut flowers and foliages; mechanical aids and containers; personal flowers; holiday designs; and plant identification and care. (2 Lec., 6 Lab.)

FMKT 2331 Advanced Floral Design (3)

(This is a WECM Course Number.)

Prerequisite: FMKT 1401, or approval from instructor. An in-depth coverage of advanced floral design practices for the retail floral industry. Topics include contemporary floral arrangement styles and trends. (2 Lec., 3 Lab.)

FREN 1411 Beginning French I (4)

(This is a Texas Common Course Number.)

This course is an introductory course intended for students with little or no knowledge of the language. Its aim is to present essential vocabulary and grammar, and to develop the pronunciation, listening, reading, and writing skills necessary for basic communication and comprehension. Customs and cultural insights are also presented. This course is cross-listed as French 1311. The student may register for either French 1411 or French 1311, but may receive credit for only one of the two. (3 Lec., 2 Lab.)
(Coordinating Board Academic Approval Number 1609015113)

FREN 1412 Beginning French II (4)

(This is a Texas Common Course Number.)

Prerequisite: French 1411 or the equivalent or demonstrated competence approved by the instructor. This course continues the oral practice, reading, writing, grammar and cultural studies begun in French 1411. Students are expected to acquire a substantial amount of vocabulary and begin to deal with idiomatic language and more advanced syntax. (3 Lec., 2 Lab.)
(Coordinating Board Academic Approval Number 1609015113)

FREN 2303 Introduction to French Literature (3)

(This is a Texas Common Course Number.)

Prerequisite: French 2312 or demonstrated competence approved by the instructor. This course is an introduction to French literature. It includes readings in French literature, history, culture, art, and civilization. (3 Lec.)
(Coordinating Board Academic Approval Number 1609015313)

FREN 2311 Intermediate French I (3)

(This is a Texas Common Course Number.)

Prerequisite: French 1412 or the equivalent or demonstrated competence approved by the instructor. This course is designed to further develop students' overall language proficiency and cultural knowledge through more advanced reading, listening, speaking and writing exercises. Grammatical concepts are reviewed and expanded. (3 Lec.)

(Coordinating Board Academic Approval Number 1609015213)

FREN 2312 Intermediate French II (3)

(This is a Texas Common Course Number.)

Prerequisite: French 2311 or the equivalent or demonstrated competence approved by the instructor. This course is a continuation of French 2311. The stress is on reading, composition, grammatical complexities, and intense oral practice, with continued studies of the culture. (3 Lec.)

(Coordinating Board Academic Approval Number 1609015213)

GEOG 1301 Physical Geography (3)

(This is a Texas Common Course Number.)

The physical composition of the earth is surveyed. Topics include weather, climate, topography, plant and animal life, land, and the sea. Emphasis is on the earth in space, use of maps and charts, and place geography. (3 Lec.)

(Coordinating Board Academic Approval Number 4507015125)

GEOG 1302 Cultural Geography (3)

(This is a Texas Common Course Number.)

This course focuses on the development of regional variations of culture. Topics include the distribution of races, religions, and languages. Aspects of material culture are also included. Emphasis is on origins and diffusion. (3 Lec.)

(Coordinating Board Academic Approval Number 4507015125)

GEOG 1303 World Regional Geography (3)

(This is a Texas Common Course Number.)

A study of major developing and developed regions with emphasis on awareness of prevailing world conditions and developments, including emerging conditions and trends, and awareness of diversity of ideas and practices to be found in those regions. Course content may include one or more regions. (3 Lec.)

(Coordinating Board Academic Approval Number 4507015325)

GEOG 1304 Geography of Middle America (3)

(This is a Texas Common Course Number.)

This course focuses on the regional study of the physical and cultural geography of Mexico, Central America and the Caribbean. (3 Lec.)

(Coordinating Board Academic Approval Number 4507015325)

GEOG 1305 Geography of North America (3)

(This is a Texas Common Course Number.)

This course focuses on the regional study of the physical and cultural geography of the United States and Canada. (3 Lec.)

(Coordinating Board Academic Approval Number 4507015325)

GEOG 2312 Economic Geography (3)

(This is a Texas Common Course Number.)

The relation of humans to their environment is studied. Included is the use of natural resources. Problems of production, manufacturing, and distributing goods are explored. Primitive subsistence and commercialism are considered. This course is cross-listed as Economics 2311. The student may register for either Geography 2312 or Economics 2311, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 4507015225)

GEOL 1401 Earth Science (4)

(This is a Texas Common Course Number.)

This course is for the non-science major. It covers the interaction of the earth sciences and the physical world. Geology, astronomy, meteorology, and space science are included. Selected principles and concepts of the applied sciences are explored. This course is cross-listed as Physical Science 1417. The student may register for either Geology 1401 or Physical Science 1417, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4006015103)

GEOL 1403 Physical Geology (4)

(This is a Texas Common Course Number.)

This course is for science and non-science majors. It is a study of earth materials and processes. Included is an introduction to geochemistry, geophysics, the earth's interior, and magnetism. The earth's setting in space, minerals, rocks, structures, and geologic processes are also included. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4006015103)

GEOL 1404 Historical Geology (4)

(This is a Texas Common Course Number.)

This course is for science and non-science majors. It is a study of earth materials and processes within a developmental time perspective. Fossils, geologic maps, and field studies are used to interpret geologic history. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4006015103)

GEOL 1405 Environmental Geology (3)

(This is a Texas Common Course Number.)

The earth as a habitat: a study of the interrelationships between humans and the physical environment. Topics covered include: minerals and rocks as resources, landscape development and its effect on humans, groundwater resources, the earth's internal processes and their relation to natural disasters, soils and weathering, the atmosphere and oceans, the earth's energy system, geologic factors in urban and regional land use planning, and related current issues in environmental geosciences. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 0301035301)

GEOL 1445 Oceanography (4)

(This is a Texas Common Course Number.)

This course covers the study of the physical and biological characteristics of the ocean. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4006015103)

GOVT 2301 American Government (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. This course is an introduction to the study of political science. Topics include the origin and development of constitutional democracy (United States and Texas), federalism and intergovernmental relations, local governmental relations, local government, parties, politics, and political behavior. (To ensure transferability, students should plan to take both Government 2301 and 2302 within the DCCCD.) (3 Lec.)

(Coordinating Board Academic Approval Number 4510025125)

GOVT 2302 American Government (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. The three branches of the United States and Texas government are studied. Topics include the legislative process, the executive and bureaucratic structure, the judicial process, civil rights and liberties, and domestic policies. Other topics include foreign relations and national defense. (To ensure transferability, students should plan to take both Government 2301 and 2302 within the DCCCD.) (3 Lec.)

(Coordinating Board Academic Approval Number 4510025125)

GRPH 1223 Digital Imaging I (2)

(This is a WECM Course Number.)

An introduction to digital imaging on the computer using image editing and/or image creation software. Topics include: scanning, resolution, file formats, output devices, color systems, and image-acquisitions. (1 Lec., 2 Lab.)

GRPH 1224 Digital Imaging I (2)

(This is a WECM Course Number.)

An introduction to digital imaging on the computer using image editing and/or image creation software. Topics include: scanning, resolution, file formats, output devices, color systems, and image-acquisitions. (1 Lec., 2 Lab.)

GRPH 1258 Object Oriented Computer Graphics (2)

(This is a WECM Course Number.)

Mastery of the tools and transformation options of an industry standard draw program to create complex illustrations and follow them through to the color output stage. Mastery in the use of basic elements of good layout and design principles and use the capabilities specific to vector (object oriented) drawing software to manipulate both text and graphics with emphasis on the use of bezier curves. Acquisition of images via scanning and the creative use of clip art is included. (1 Lec., 2 Lab.)

GRPH 1305 Introduction to Graphic Arts and Printing (3)

(This is a WECM Course Number.)

Graphic arts industry, including the history of printing, techniques involved in the production and distribution of printed materials, the kinds of printing industries and printing terminology and identify career opportunities in graphics and printing fields. (2 Lec., 4 Lab.)

GRPH 1309 Press Operations I (3)

(This is a WECM Course Number.)

An introduction to offset printing including knowledge and skills to operate a small offset press to print single color jobs. Emphasis on parts of the press and operation procedures, printing terminology, paper types and ink types and their uses, make ready and cleanup. (2 Lec., 4 Lab.)

GRPH 1357 Digital Imaging II (3)

(This is a WECM Course Number.)

Prerequisite: GRPH 1325. An in-depth investigation of digital imaging on the computer using image editing and/or image creation software. Manipulation, creation, and editing of digital images. Topics include: image capture, high-end work stations, image bit-depth, interaction with service bureaus and printing industries. (2 Lec., 4 Lab.)

GRPH 1359 Object Oriented Computer Graphics (3)

(This is a WECM Course Number.)

Mastery of the tools and transformation options of an industry standard draw program to create complex illustrations and follow them through to the color output stage. Mastery in the use of basic elements of good layout and design principles and use the capabilities specific to vector (object oriented) drawing software to manipulate both text and graphics with emphasis on the use of bezier curves. Acquisition of images via scanning and the creative use of clip art is included. (2 Lec., 4 Lab.)

GRPH 1391 Special Topics in Graphic and Printing Equipment Operator (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

GRPH 1395 Special Topics in Computer Typographer and Composition Equipment Operator (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

GRPH 1396 Special Topics in Desktop Publishing Equipment Operator (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

GRPH 2309 Electronic Pre-Press (3)

(This is a WECM Course Number.)

Prerequisite: Visual Communications First Year Curriculum and ARTC 1313 or GRPH 1322, or demonstrated competence approved by the instructor. Theory and techniques for pre-press preparation using industry standard software for final file output. Topics include the procedures and problems involved in computer file preparation ranging from trapping, color separations, and resolutions to printing basics and service bureaus.

(2 Lec., 4 Lab.)

GRPH 2336 Prepress Techniques (3)

(This is a WECM course number)

Hands-on experience in both electronic file imaging and traditional graphics camera use. Electronic file output and troubleshooting, graphics camera knowledge, traditional film assembly, and proofing process. High-end color scanning. (2 Lec., 4 Lab.)

GRPH 2341 Electronic Publishing III (3)

(This is a WECM Course Number.)

Advanced concepts in electronic publishing using an industry standard page layout software package. In-depth color separations, trapping and advanced techniques for controlling type and graphics. Overview of color schemes, software additions (plug-ins, filters, utilities), and preparation of files for printing. (2 Lec., 4 Lab.)

GRPH 2381 Cooperative Education - Prepress/Desktop Publishing and Digital Imaging Design (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. Includes a lecture component.

(1 Lec., 15 Ext.)

GRPH 2382 Cooperative Education Graphic and Printing Equipment Operator (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid work experience. (1 Lec., 15 Ext.)

HDEV 0092 Student Success (3)

In this orientation course, students are introduced to academic and personal goal-setting and learning skills that enhance their chances for educational success. Students will learn how to develop positive attitudes toward themselves, improve communication and decision-making skills, and make effective use of campus resources. This course supports students enrolling in other appropriate remediation. (3 Lec.)

(Coordinating Board Academic Approval Number 3201995178)

HDEV 0100 Educational Alternatives (1)

The learning environment is introduced. Career, personal study skills, educational planning, and skills for living are all included. Emphasis is on exploring career and educational alternatives and learning a systematic approach to decision-making. A wide range of learning alternatives is covered, and opportunity is provided to participate in personal skills seminars. This course may be repeated for credit. (1 Lec.)

(Coordinating Board Academic Approval Number 3201995178)

HDEV 0110 Assessment of Prior Learning (1)

Prerequisite: Limited to students in Technical Occupational Programs. Demonstrated competence approved by the instructor is required. This course is designed to assist students in documenting prior learning for the purpose of applying for college credit. Students develop a portfolio which includes a statement of educational/career goals, related non-collegiate experiences which have contributed to college-level learning, and documentation of such experiences. This course may be repeated for credit.

(1 Lec.)

(Coordinating Board Academic Approval Number 3201995178)

HDEV 1372 Cognitive Processes: The Master Student Course (3)

(This is a Unique Need Course.)

This course is an overview of the processes of learning, memory, perception, language and thought. Special emphasis is placed upon the practical applications of these psychological principles for students to learn, practice and adopt in support of their success in college. Adaptation to the higher education atmosphere is also emphasized.

(3 Lec.)

(Coordinating Board Academic Approval Number 4203019125)

HDEV 2315 Principles and Processes of Personal and Social Adjustment (3)

(The Texas Common Course Number is PSYC 2315.)

Designed as an Applied Psychology and Human Relations course, this course is an intensive theoretical and practical study of interpersonal communication processes. The course content surveys the major psychological principles of communication and utilizes an experiential model for the practical application of skill based competencies. Students develop an awareness and understanding of their own feelings, values, attitudes, and behaviors and also explore the processes by which these factors effect the quality of their interactions with others. (3 Lec.)

(Coordinating Board Academic Approval Number 4201015625)

HEBR 1470 Beginning Hebrew I (4)

(This is a Unique Need Course.)

This course is an introductory course intended for students with little or no knowledge in the language. Its aim is to present essential vocabulary and grammar, and to develop the pronunciation, listening, reading, and writing skills necessary for basic communication and comprehension. Customs and cultural insights are also presented.

(3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number is to be assigned.)

HEBR 1471 Beginning Hebrew II (4)

(This is a Unique Need Course.)

Prerequisite: Hebrew 1470 or the equivalent or demonstrated competence approved by the instructor. This course continues the oral practice. Reading, writing, grammar and cultural studies begun in Hebrew 1470. Students are expected to acquire a substantial amount of vocabulary and begin to deal with idiomatic language and more advanced syntax. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number is to be assigned.)

HIST 1301 History of the United States (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. The history of the United States is presented, beginning with the European background and first discoveries. The pattern of exploration, settlement, and development of institutions is followed throughout the colonial period and the early

HIST 1302 History of the United States (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. The history of the United States is surveyed from the Reconstruction era to the present day. The study includes social, economic, and political aspects of American life. The development of the United States as a world power is followed. (3 Lec.)

(Coordinating Board Academic Approval Number 5401025125)

HIST 2301 History of Texas from 1500 to the Present (3)

(This is a Texas Common Course Number.)

A survey of Texas development from early Spanish colonization (1500) to the establishment of the modern urban state. The course emphasizes the variety of influences from Indian, Spanish and American cultures. The social, political and economic evolution of the state, including the multi-ethnic character of its population, is studied. (3 Lec.)

(Coordinating Board Academic Approval Number 5401025225)

HIST 2311 Western Civilization (3)

(This is a Texas Common Course Number.)

The civilization in the West from ancient times through the Enlightenment is surveyed. Topics include the Mediterranean world, including Greece and Rome, the Middle Ages, and the beginnings of modern history. Particular emphasis is on the Renaissance, Reformation, the rise of the national state, the development of parliamentary government, and the influences of European colonization. (3 Lec.)

(Coordinating Board Academic Approval Number 5401015425)

HIST 2312 Western Civilization (3)

(This is a Texas Common Course Number.)

This course is a continuation of History 2311. It follows the development of Western civilization from the Enlightenment to current times. Topics include the Age of Revolution, the beginning of industrialism, 19th century, and the social, economic, and political factors of recent world history. (3 Lec.)

(Coordinating Board Academic Approval Number 5401015425)

HIST 2321 World Civilizations (3)

(This is a common course number3.)

This course presents a survey of ancient and medieval history with emphasis on Asian, African, and European cultures. (3 Lec.)

(Coordinating Board Academic Approval Number 5401015325)

HIST 2322 World Civilizations (3)

(This is a Texas Common Course Number.)

This course is a continuation of History 2321. The modern history and cultures of Asia, Africa, Europe, and the Americas, including recent developments, are presented. (3 Lec.)

(Coordinating Board Academic Approval Number 5401015325)

HIST 2372 Advanced Historical Studies (3)

(This is a Unique Need Course.)

Prerequisite: Six hours of history. An in-depth study of minority, local, regional, national, or international topics is presented. This course may be repeated for credit. (3 Lec.)

(Coordinating Board Academic Approval Number 5401019625)

HITT 1160 Clinical-Health Information Technology/Technician (1)

(This is a WECM Course Number.)

Prerequisite: HITT 1401 Health Care Data Content and Structure, ENGL 1301 Composition I and HITT 1345 Health Care Delivery Systems concurrently. A method of instruction providing detailed education, training and work-based experience, and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary. (3 Ext.)

HITT 1161 Clinical-Health Information Technology/Technician (1)

(This is a WECM Course Number.)

Prerequisite: HITT 1441 Coding and Classification Systems and HITT 2335 Coding and Reimbursement Methodologies. A method of instruction providing detailed education, training and work-based experience, and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary. Emphasis will be on ICD-9 and CPT clinical coding with related project to be completed. (6 Ext.)

HITT 1205 Medical Terminology (2)

(This is a WECM Course Number.)

Study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviations and symbols, surgical procedures, medical specialties and diagnostic procedures. (2 Lec.)

HITT 1249 Pharmacology (2)

(This is a WECM Course Number.)

Prerequisite: SCIT 1407 Human Anatomy and Physiology I, SCIT 1408 Human Anatomy and Physiology II, HITT 1205 Medical Terminology and HITT 2231 Medical Terminology-Advanced. Overview of the basic concepts of the pharmacological treatment of various diseases affecting major body systems. (2 Lec.)

HITT 1253 Legal and Ethical Aspects of Health Information (2)

(This is a WECM Course Number.)

Prerequisite: HITT 1401 Health Care Data Content and Structure, HITT 1345 Health Care Delivery Systems, HITT 1160 Introductory Clinical and ENGL 1301 Composition I. Concepts of confidentiality, ethics, health care legislation, and regulations relating to the maintenance and use of health information. (2 Lec.)

HITT 1255 Health Care Statistics (2)

(This is a WECM Course Number.)

Prerequisite: HITT 1401 Health Care Data Content and Structure, HITT 1345 Health Care Delivery Systems, HITT 1160 Introductory Clinical, ENGL 1301 Composition I and MATH 1314 College Algebra. General principles of health care statistics with emphasis in hospital statistics. Skill development in computation and calculation of health data with overview of guidelines for Texas Department of Health Vital Statistics and studies. (2 Lec.)

HITT 1345 Health Care Delivery Systems (3)

(This is a WECM Course Number.)

Prerequisite: HITT 1401 Health Care Data Content and Structure, ENGL 1301 Composition I and HITT 1160 Introductory Clinical. Introduction to organization, financing, and delivery of health care services, accreditation, licensure and regulatory agencies. (3 Lec.)

HITT 1401 Health Data Content and Structure (4)

(This is a WECM Course Number.)

Prerequisite: ENGL 1301 Composition I. Introduction to systems and processes for collecting, maintaining and disseminating primary and secondary health related information. Instruction in delivery and organizational structure to include content of health record, documentation requirements, registries, indices, licensing, regulatory agencies, forms and screens. (3 Lec., 2 Lab.)

HITT 1441 Coding and Classification Systems (4)

(This is a WECM Course Number.)

Prerequisite: SCIT 1407 Human Anatomy and Physiology I, SCIT 1408 Human Anatomy and Physiology II, HITT 1205 Medical Terminology, and HITT 2231 Medical Terminology Advanced. Application of basic coding rules, principles, guidelines and conventions. (3 Lec., 3 Lab.)

HITT 2160 Clinical-Health Information Technology/Technician (1)

(This is a WECM Course Number.)

A method of instruction providing detailed education, training and work-based experience, and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary. Emphasis will be on management functions within the health care setting. Limited to the graduates only each year. (5 Ext.)

HITT 2231 Medical Terminology - Advanced (2)

(This is a WECM Course Number.)

Study of advanced terminology in various medical and surgical specialties. This course is cross-listed as HITT 2331. The student may register for either HITT 2231 or HITT 2331, but may receive credit for only one of the two. (2 Lec.)

HITT 2239 Health Information Organization and Supervision (2)

(This is a WECM Course Number.)

Principles of organization and supervision of human, fiscal and capital resources. (2 Lec.)

HITT 2331 Medical Terminology- Advanced (3)

(This is a WECM Course Number.)

Prerequisite: MDCA 1313. The student will identify, spell, and pronounce advanced medical terms; use advanced medical terms in context; construct and analyze advanced medical terms; and use medical references as resource tools. This course is cross-listed as HITT 2231. The student may register for either HITT 2331 or HITT 2231, but may receive credit for only one of the two. (3 Lec.)

HITT 2335 Coding and Reimbursement Methodologies (3)

(This is a WECM Course Number.)

Prerequisite: HITT 1441 Coding and Classification Systems. Development of advanced coding techniques with emphasis on case studies, health records, and federal regulations regarding perspective payment systems and methods of reimbursement. (2 Lec., 2 Lab.)

HITT 2343 Quality Assessment and Performance Improvement (3)

(This is a WECM Course Number.)

Prerequisite: HITT 1401 Health Care Data Content and Structure, HITT 1345 Health Care Delivery Systems, HITT 1160 Introductory Clinical, ENGL 1301 Composition I and MATH 1314 College Algebra. Study of the many facets of quality standards and methodologies in the health information management environment. Topics include licensing, accreditation, compilation and presentation of data in statistical formats, quality improvement functions, quality tools, utilization management, risk management and medical staff quality issues. (3 Lec.)

HRPO 1391 Special Topics in Human Resource Management (3)

(This is a WECM Course Number.)

This course provides students with a global perspective of the history, development, methodology, ethical and societal issues and trends in Alternative Dispute Resolution. This course may be repeated if topics and learning outcomes vary. (3 Lec.)

HRPO 2301 Human Resources Management (3)

(This is a WECM Course Number.)

Behavioral and legal approaches to the management of human resources in organizations. (3 Lec.)

HRPO 2307 Organizational Behavior (3)

(This is a WECM Course Number.)

The analysis and application of organizational theory, group dynamics, motivation theory, leadership concepts, and the integration of interdisciplinary concepts from the behavioral sciences. (3 Lec.)

HUMA 1301 Introduction to the Humanities (3)

(This is a Texas Common Course Number.)

Introduction to the Humanities focuses on the study and appreciation of the fine and performing arts and the ways in which they reflect the values of civilizations. (3 Lec.)
(Coordinating Board Academic Approval Number 2401035112)

HUMA 1302 Advanced Humanities (3)

(This is a Texas Common Course Number.)

Prerequisite: Humanities 1301 or demonstrated competence approved by the instructor. Human value choices are presented through the context of the humanities. Universal concerns are explored, such as a person's relationship to self and to others and the search for meaning. The human as a loving, believing and hating being is also studied. Emphasis is on the human as seen by artists, playwrights, film makers, musicians, dancers, philosophers, and theologians. The commonality of human experience across cultures and the premises for value choices are also stressed. (3 Lec.)
(Coordinating Board Academic Approval Number 2401035112)

HYDR 1445 Hydraulics and Pneumatics (4)

(This is a WECM Course Number.)

Prerequisite: Credit or concurrent enrollment in MATH 1414 or the equivalent. Fundamentals of hydraulics and types of hydraulic pumps, cylinders, valves, motors, and related systems including operations, maintenance, and system analysis. (3 Lec., 3 Lab.)

IMED 1316 Web Page Design I (3)

(This is a WECM Course Number.)

Instruction in Internet web page design and related graphic design issues including mark-up languages, web sites, Internet access software, and interactive topics.

(2 Lec., 4 Lab.)

**IMED 1391 Special Topics in Educational/
Institutional Media Technology/Technician(3)**

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and attitudes or behaviors pertinent to multimedia technology or occupations in the field. Focus is on concepts relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

IMED 2345 Interactive Multimedia II (3)

(This is a WECM Course Number.)

Prerequisite: IMED 1345. Instruction in the use of scripting language to create time-based interactive multimedia projects. Topics include building a user interface, writing script, using commands and functions, testing, and debugging. (2 Lec., 4 Lab.)

IMED 2349 Internet Communications (3)

(This is a WECM Course Number.)

Prerequisite: IMED 2315. Advanced seminar in web server design and maintenance. Topics include scripting, web site planning, testing, security, production, and marketing. Topics include developments in the field of Internet communications. (2 Lec., 4 Lab.)

IMED 2351 Multimedia Programming (3)

(This is a WECM Course Number.)

Prerequisite: IMED 2305 and IMED 2345. Advanced topics in multimedia programming including the use of custom scripts for data tracking. Emphasis is on developing multimedia programs customized to the client's needs.

(2 Lec., 4 Lab.)

IMED 2409 Internet Commerce (4)

(This is a WECM Course Number.)

An overview of the Internet as a marketing and sales tool with emphasis on developing a prototype for electronic commerce. Topics include database technology, creating web sites in order to collect information, performing online transactions, and generating dynamic content.

(3 Lec., 3 Lab.)

IMED 2415 Web Page Design II (4)

(This is a WECM Course Number.)

A study of hypertext mark-up language (HTML) and interesting layout techniques for creating engaging well designed web pages. Emphasis on identifying the target audience and producing a web site according to physical and technical limitations, cultural appearance, and legal issues. This course is cross-listed as IMED 2315. The student may register for either IMED 2415 or IMED 2315, but may receive credit for only one of the two.

(3 Lec., 3 Lab.)

INEW 1470 Web Animation and Interactivity (4)

(This is a WECM Course Number.)

Prerequisite: Previous programming experience or instructor approval. This course emphasizes developing modular interactive programs using the Object-Oriented Paradigm. Students will learn basic animation techniques, basic human-computer interaction concepts, and introductory interactive programming techniques. Scripting Languages may include ActionScript, Lingo, or other comparable language. (3 Lec., 4 Lab.)

INEW 2334 Advanced Web Page Programming (3)

(This is a WECM course number.)

Prerequisite: Intermediate Web page generation skills or instructor approval. Advanced applications for Web authoring. Topics may include Perl Script, Common Gateway Interface (CGI), Database Interaction, Active Server Pages, Java applets, Javascripts, tables, HTML, and/or interactive elements. This course may be repeated if topics and learning outcomes vary. This course is cross-listed as INEW 2434. The student may register for either INEW 2334 or INEW 2434, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

INEW 2371 Web Analytics (3)

(This is a WECM Local Need Course.)

This course explores the use of Web monitoring and analysis tools to improve a site functionally, evaluate product and services, promotional campaigns and to effectively personalize site content. Primary course focus will be on process, methods and software tools utilized in this new and emerging field. (3 Lec.)

INEW 2401 Macros for Applications (4)

(This is a WECM Course Number.)

A study of macros used for applications. Topics include analysis of the need for macros in various applications, macro design considerations, and macro coding and implementation. (3 Lec., 4 Lab.)

INEW 2430 Comprehensive Software Project I:**Planning and Design (4)**

(This is a WECM Course Number.)

A comprehensive application of skills learned in previous courses in a simulated workplace. Covers the development, testing, and documenting of a complete software and/or hardware solution. This course may be used as a capstone course for a certificate or degree. May be combined with Project II when the expected outcomes include completion of the programming life cycle.

(3 Lec., 4 Lab.)

INEW 2432 Comprehensive Software Project II:**Coding, Testing, and Implementation (4)**

(This is a WECM Course Number.)

A comprehensive application of skills learned in previous semesters in a simulated workplace. Course covers the coding, testing, and documentation of a complete software and/or hardware solution. This course may be used as a capstone course for a certificate or degree.

(3 Lec., 4 Lab.)

INEW 2434 Advanced Web Page Programming (4)

(This is a WECM Course Number.)

Prerequisite: Intermediate web generation skills or instructor approval. Advanced applications for Web authoring. Topics may include Perl Script, Common Gateway Interface (CGI), Database Interaction, Active Server Pages, Java applets, Javascripts, tables, HTML, and/or interactive elements. This course is cross-listed as INEW 2334. The student may register for either INEW 2434 or INEW 2334, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

INEW 2436 Computer Program Maintenance and Conversion (4)

(This is a WECM Course Number.)

Prerequisite: Intermediate programming skills or instructor approval. A comprehensive applications of skills learned in prior computer programming classes. Demonstration of debugging skills, program augmentation, and translation of complex programs in a supervised laboratory environment.

(3 Lec., 4 Lab.)

INEW 2438 Advanced JAVA Programming (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 2417 or instructor approval.

A continuation of advanced JAVA programming techniques such as servlets and advanced graphical functions.

(3 Lec., 4 Lab.)

INEW 2440 Object Oriented Design (4)

(This is a WECM Course Number.)

Large system analysis and design concepts from the object-oriented perspective. Students will build/use case models, sequence diagrams, class diagrams and state charts. Topics will include determining what objects will be required, what members an object requires, and relationships between objects. (3 Lec., 4 Lab.)

INMT 1343 CAD-CAM (3)

(This is a WECM Course Number.)

Computer-Assisted applications in integrating engineering graphics and manufacturing. Emphasis on the conversion of a working drawing using CAD-CAM software and related input and output devices to translate into machine code.

(2 Lec., 4 Lab.)

INMT 1447 Industrial Automation (4)

(This is a WECM Course Number.)

Prerequisite: CETT 1405. A study of the applications of industrial automation systems including identification of system requirements, equipment integration, motors, controllers, and sensors. Coverage of set-up, maintenance, and testing of the automated systems.

(3 Lec., 3 Lab.)

INSR 1345 Commercial Liability Risk Management and Insurance (3)

(This is a WECM Course Number.)

Analysis of the major sources of liability loss exposures and examination of the insurance coverage designed to meet those exposures. Topics include premises and operations, products and completed operations, contractual and protective liability, employer liability, and surety bonds. Exploration of tort and agency law as they relate to loss exposures involving third party claimants.

(3 Lec.)

INTC 1307 Electronic Test Equipment (3)

(This is a WECM Course Number.)

Prerequisite: Credit or concurrent enrollment in CETT 1405. A study of the theory and application of analog and digital meters, oscilloscopes, frequency generation, frequency measurements, and special measuring instruments. Emphasis on accuracy and limitations of instruments and calibration techniques. (2 Lec., 3 Lab.)

ITCC 1201 CCNA 1: Networking Basics (2)

(This is a WECM Course Number.)

Prerequisite: Advanced level of understanding of personal computers and operating systems approved by designated Information Technology personnel. A course introducing the basics of networking including network terminology, local area networks (LAN) and wide area networks (WAN). Topics include network protocols such as TCP/IP, Open System Interconnection (OSI) models, cabling and routers. Licensing/Certification Agency: Cisco Corporation.

(2 Lec.)

ITCC 1205 CCNA 2: Router and Routing Basics (2)

(This is a WECM Course Number.)

Prerequisite: ITCC 1402 or ITNW 1313. An introduction to basic Cisco router configuration for local area networks. Topics include initial router configuration for TCP/IP, management of Cisco IOS and router configuration files, routing protocols, and access control lists. Licensing/Certification Agency: Cisco Corporation.

(2 Lec.)

ITCC 1241 CCNA 3: Switching Basic and Intermediate Routing (2)

(This is a WECM Course Number.)

Prerequisite: ITCC 1406 or ITNW 1317. A course focusing on advanced topics including IP addressing techniques, intermediate routing protocols, CLI configuration of switches, Ethernet switching, VLANs, Spanning Tree Protocol, and VLAN Trunking Protocol. Licensing/Certification Agency: Cisco Corporation. (2 Lec.)

ITCC 1245 CCNA 4: WAN Technologies (2)

(This is a WECM Course Number.)

Prerequisite: ITCC 1442 or ITNW 1340. This course focuses on advanced IP addressing techniques (Network Address Translation [NAT], Port Address Translation [PAT], and DHCP), WAN technology and terminology, PPP, ISDN, DDR, Frame Relay, network management and introduction to optical networking. In addition, the student will prepare for the CCNA exam. Licensing/Certification Agency: Cisco Corporation. (2 Lec.)

ITCC 1309 Voice and Data Cabling (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Designed for students interested in the physical aspects of voice and data network cabling and installation; skills development in reading network design documentation, part list setup and purchase, pulling and mounting cable, cable management, choosing wiring closets and path installation and termination, installing jacks and cable testing. This course will help prepare students for the BICSI Registered Certified Installer, Level I exam. This course is cross-listed as ITCC 1409. The student may register for either ITCC 1309 or ITCC 1409, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

ITCC 1402 CCNA 1: Networking Basics (4)

(This is a WECM Course Number.)

Prerequisite: Advanced level of understanding of personal computers and operating systems approved by designated Information Technology personnel. A course introducing the basics of networking including network terminology, local area networks (LAN) and wide area networks (WAN). Topics include network protocols such as TCP/IP, Open System Interconnection (OSI) models, cabling and routers. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITCC 1406 CCNA 2: Router and Routing Basics (4)

(This is a WECM Course Number.)

Prerequisite: ITCC 1402 or ITNW 1313. An introduction to basic Cisco router configuration for local area networks. Topics include initial router configuration for TCP/IP, management of Cisco IOS and router configuration files, routing protocols, and access control lists. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITCC 1409 Voice and Data Cabling (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Designed for students interested in the physical aspects of voice and data network cabling and installation; skills development in reading network design documentation, part list setup and purchase, pulling and mounting cable, cable management, choosing wiring closets and path installation and termination, installing jacks and cable testing. This course will help prepare students for the BICSI Registered Certified Installer, Level I exam. This course is cross-listed as ITCC 1309. The student may register for either ITCC 1409 or ITCC 1309, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITCC 1442 CCNA 3: Switching Basic and Intermediate Routing (4)

(This is a WECM Course Number.)

Prerequisite: ITCC 1406 or ITNW 1317. A course focusing on advanced topics including IP addressing techniques, intermediate routing protocols, CLI configuration of switches, Ethernet switching, VLANs, Spanning Tree Protocol, and VLAN Trunking Protocol. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITCC 1446 CCNA 4: WAN Technologies (4)

(This is a WECM Course Number.)

Prerequisite: ITCC 1442 or ITNW 1340. This course focuses on advanced IP addressing techniques (Network Address Translation [NAT], Port Address Translation [PAT], and DHCP), WAN technology and terminology, PPP, ISDN, DDR, Frame Relay, network management and introduction to optical networking. In addition, the student will prepare for the CCNA exam. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITCC 2432 Advanced Routing: Cisco 5 (4)

(This is a WECM Course Number.)

Prerequisite: CCNA certification and successful completion of skills-based exam or successful completion of CCNA 4: WAN Technologies (ITCC 1446 or ITNW 1344). A study of advanced network deployment issues and methods used to configure CISCO routers for effective LAN and WAN traffic management. Topics include designing scalable internetworks, managing traffic, configuring OSPF in single and multiple areas, configuring EIGRP, and configuring and using interior and border gateway routing protocols. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITCC 2436 Remote Access: Cisco 6 (4)

(This is a WECM Course Number.)

Prerequisite: ITCC 2432 or instructor approval. Designing and building remote access networks with Cisco products. Topics include assembling and cabling WAN components, configuring network connections via asynchronous modem, ISDN, X.25, and frame relay architectures and associated protocols. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITCC 2440 Multilayer Switching: Cisco 7 (4)

(This is a WECM Course Number.)

Prerequisite: ITCC 2432 or instructor approval. An introduction to Cisco switches and how to use Cisco switches effectively in networks. Topics include switching concepts, virtual LANs, switch architecture (hardware and software), switch configuration, management and troubleshooting. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITCC 2444 Network Troubleshooting: Cisco 8 (4)

(This is a WECM Course Number.)

Prerequisite: ITCC 2440, ITCC 2432 and ITCC 2436 or instructor approval. A study of troubleshooting methods for internetworks. Topics include Cisco Troubleshooting Tools, diagnosing and correcting problems with TCP/IP, Novell, and AppleTalk networks, and with Frame Relay and ISDN network connections. Licensing/Certification Agency: Cisco Corporation. (3 Lec., 4 Lab.)

ITMC 1138 Microsoft® Certified Systems Engineer Certification Preparation I (1)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Prepares students for the MCSE Exam. Includes installation, configuration, and administration of Microsoft® Windows client operating system. Licensing/Certification Agency: Microsoft® Corporation. (3 Lab.)

ITMC 1139 Microsoft® Certified Systems Engineer Certification Preparation II (1)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. The "inner workings" of Windows Server. Focus on installation issues, network shares, and NTFS permissions for a host of shared devices including files, directories, printers, and Internet access. Includes locating, configuring, performing start and stop processes, and understanding the use of file systems in the Windows client operating system. Licensing/Certification Agency: Microsoft® Corporation. (3 Lab.)

ITMC 1344 Enterprise Development Using Microsoft.NET® (3)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor. Utilizing Microsoft.NET® framework to develop, share, and maintain objects across distributed networks including the Internet. The course will include multi-platform access to data stored on a Microsoft® Structured Query Language (SQL) server database, 3-tier, and n-tier implementation, and use of the Internet as the enterprise connectivity medium in corporate applications. Licensing/Certification Agency: Microsoft® Corporation. (2 Lec., 4 Lab.)

ITMC 1345 Enterprise Development Using Microsoft® Visual Basic.NET (3)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor. Visual Basic.NET (VB.NET) programming language for developing, distributing, and maintaining objects across distributed networks including the Internet. Includes using VB.NET to access data stored on a Microsoft® Structured Query Language (SQL) server database and allows implementation as a middleware (business rules) application. Licensing/Certification Agency: Microsoft® Corporation. (2 Lec., 4 Lab.)

ITMC 1401 Microsoft® Windows Network and Operating System Essentials (4)

(This is a WECM Course Number.)

An introduction to Microsoft® Windows network operating systems and to the fundamentals of networking technologies that they support. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 1403 Querying Microsoft® SQL Server with Transact-SQL (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. In depth coverage of the technical skills required to write basic Transact-SQL queries for Microsoft® SQL Server. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 1419 Installing and Administering Microsoft® Windows Server Operating Systems (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1401 or instructor approval. An introduction to Microsoft® Windows server operating systems in a single domain environment. Topics include basic installation, configuration tasks, and day-to-day administration tasks in a Windows based network. Licensing/Certification Agency: Microsoft® Corporation. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITMC 1441 Implementing Microsoft® Windows Professional and Server (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1401 or instructor approval. In-depth coverage of the knowledge and skills necessary to install and configure Microsoft® Windows on stand-alone computers and on client computers that are part of a workgroup or domain and the skills and knowledge necessary to install and configure Windows Server to create file, print, and servers. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 1442 Implementing a Microsoft® Windows Network Infrastructure (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1441 or ITMC 1458 or instructor approval. Skills development in installing, configuring, managing, and supporting a network infrastructure that uses the Microsoft® Windows server family of products. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 1443 Implementing and Administering Microsoft® Directory Services (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1442 or instructor approval. Provides students with the knowledge and skills necessary to install, configure, and administer Microsoft® Windows Active Directory service. Focuses on implementing Group Policy and understanding the Group Policy tasks required to centrally manage users and computers. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 1458 Supporting Microsoft® Windows Client Network Operating Systems (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1419 or instructor approval. Skill development for customizing, configuring, supporting, and troubleshooting Windows. Licensing/Certification Agency: Microsoft® Corporation. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITMC 2126 Microsoft® Certified Systems Engineer Certification Preparation III (1)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Configuring a number of critical network services. Includes review of the most common TCP/IP interconnectivity services such as DNS, DHCP, Remote Access, Network Protocols, IP Routing, and WINS. Licensing/Certification Agency: Microsoft® Corporation. (3 Lab.)

ITMC 2127 Microsoft® Certified Systems Engineer Certification Preparation IV (1)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Implementing and administering a Windows Directory Services Infrastructure. Includes configuring a number of critical Active Directory issues. Licensing/Certification Agency: Microsoft® Corporation. (3 Lab.)

ITMC 2128 Microsoft® Certified Systems Engineer Certification Preparation V (1)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. The entire set of skills required to design a directory services infrastructure. Includes details on how to make a new or existing network successfully take advantage of Active Directory. Licensing/Certification Agency: Microsoft® Corporation. (3 Lab.)

ITMC 2129 Microsoft® Certified Systems Engineer Certification Preparation VI (1)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Creating a Networking Services Infrastructure design. Licensing/Certification Agency: Microsoft® Corporation. (3 Lab.)

ITMC 2139 Microsoft® Certified Systems Engineer Certification Preparation VII (1)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Analysis of the business requirements for computer network security. Includes designing a network security solution that meets business requirements. Licensing/Certification Agency: Microsoft® Corporation. (3 Lab.)

ITMC 2355 Deploying and Managing Microsoft® Internet Security and Acceleration Server (3)

(This is a WECM Course Number.)

Prerequisite: ITMC 1442 or instructor approval. Advanced concepts of deploying and managing Microsoft® Internet Security and Acceleration (ISA) Server in an enterprise environment. Licensing/Certification Agency: Microsoft® Corporation. This course is cross-listed as ITMC 2455. The student may register for either ITMC 2355 or ITMC 2455, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

ITMC 2401 Supporting and Maintaining a Microsoft® Windows NT Server (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Skills development in maintaining, configuring, troubleshooting, or optimizing servers, clients, users, resource access, network services, and remote access. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2402 Designing and Implementing OLAP Solutions Using Microsoft® SQL Server (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Mastery of the knowledge and skills necessary to design, implement, and deploy OLAP solutions by using Analysis Services. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2403 Administering a Microsoft® SQL Server Database (4)

(This is a WECM Course Number.)

Prerequisite: Skills equivalent to those obtained in ITMC 1403 or instructor approval. In-depth coverage of the knowledge and skills required to install, configure, administer, and troubleshoot the client-server database management system of Microsoft® SQL Server databases. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2404 Implementing and Managing Microsoft® Exchange (4)

(This is a WECM Course Number.)

Prerequisite: Active directory course and/or experience or instructor consent. In-depth coverage of the knowledge and skills required to install and administer Microsoft® Exchange. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2405 Upgrading Microsoft® Exchange Server (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Advanced concepts in upgrading Microsoft® Exchange Server. Topics include issues and procedures related to upgrading, restructuring, and providing co-existence during the deployment process. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2406 Populating a Data Warehouse with Microsoft® SQL (4)

(This is a WECM Course Number.)

Advanced concepts designing a data warehouse and populating data marts by using Data Transformation Services (DTS) in Microsoft® SQL Server. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2408 Administering Microsoft® Systems Management Server (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Mastery of the knowledge and skills required to administer Microsoft® systems management server. Licensing/Certification Agency: Microsoft® Corporation. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITMC 2409 Deploying and Supporting Microsoft® SMS Server (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Mastery of the knowledge and skills required to deploy and support Microsoft® systems management server. (3 Lec., 4 Lab.)

ITMC 2430 Updating Support Skills for Microsoft® Windows (4)

(This is a WECM Course Number.)

Provides Microsoft® Windows support professionals with the knowledge and skills necessary to support newer versions of Microsoft® Windows. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2431 Designing a Microsoft® Windows Directory Services Infrastructure (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1443 or instructor approval. Advanced concepts in the knowledge and skills necessary to design a Microsoft® Windows directory services infrastructure. Strategies are presented to assist the student in identifying the information technology needs of the organization, and to designing the Active Directory structure that meets those needs. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2432 Designing a Microsoft® Windows Networking Services Infrastructure (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1443 or instructor approval. Provides experienced support professionals with the information and skills to create a networking services infrastructure design that supports the required network applications. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2433 Designing a Secure Microsoft® Windows Network (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1443 or instructor approval. Provides students with the knowledge and skills necessary to design a security framework for small, medium, and enterprise networks by using Microsoft® Windows networking technologies. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2434 Designing a Microsoft® Windows Upgrade Strategy (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Topics cover the knowledge and skills necessary to select and design a strategy to migrate from Microsoft® Windows NT Server directory services infrastructure to a Microsoft® Windows Active Directory service by describing the planning processes and implications involved. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2435 Analyzing and Tuning Microsoft® Windows and Microsoft® BackOffice Server Performance (4)

(This is a WECM Course Number.)

Topics cover the knowledge and necessary skills to monitor, analyze, and optimize the performance of a computer running Microsoft® Windows and the latest version of Microsoft® BackOffice Server family. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2436 Designing Microsoft® Exchange for the Enterprise (4)

(This is a WECM Course Number.)

Prerequisite: Active directory course and/or experience or instructor approval. Mastery of the knowledge and skills necessary to design a Microsoft® Exchange organization for an enterprise environment. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2437 Programming a Microsoft® SQL Server Database (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1441 or ITMC 1458 or instructor approval. Mastery of programming and implementing a database solution by using SQL Server. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2438 Implementing Business Logic with MDX in Microsoft® SQL Server (4)

(This is a WECM Course Number.)

Advanced concepts and skills necessary to use multidimensional expression (MDX) to add calculated members and other dynamically calculated values to a Microsoft® SQL Server Analysis Services cube by using SQL Server Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITMC 2455 Deploying and Managing Microsoft® Internet Security and Acceleration Server (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1442 or instructor approval. Advanced concepts of deploying and managing Microsoft® Internet Security and Acceleration (ISA) Server in an enterprise environment. Licensing/Certification Agency: Microsoft® Corporation. This course is cross-listed as ITMC 2355. The student may register for either ITMC 2455 or ITMC 2355, but may receive credit for only one of the two. (3 Lec., 4 Lab.)

ITNW 1192 Special Topics in Business Systems Networking and Telecommunications (1)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary. (1 Lec.)

ITNW 1274 Managing Web Site Development Projects (2)
(This is a WECM Course Number.)

Prerequisite: Successful completion of Semester I Internet Development Technologies core curriculum or equivalent experiences approved by instructor consent. This course provides an introduction to the complexities of managing Web site development projects. Students will learn cost specification, budgeting, schedule construction, negotiation, team-building, time management and status reporting skills. Legal issues like intellectual property rights, contract agreements, ethics and confidentiality will be described. (2 Lec.)

ITNW 1280 Cooperative Education - Computer Systems Networking and Telecommunications (2)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 10 Ext.)

ITNW 1292 Special Topics in Business Systems Networking and Telecommunications (2)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary. (2 Lec.)

ITNW 1303 Managing a Microsoft® Windows Network Environment (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Installation and configuration tasks and network and operating system management tasks. Includes troubleshooting tasks, hardware and software installations. Configurations, upgrades, and some network and system operations in a Microsoft® Windows network environment. (2 Lec., 4 Lab.)

ITNW 1316 Netware Administration (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. An introduction to Netware administration. This course is cross-listed as ITNW 1416. The student may register for either ITNW 1316 or ITNW 1416, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

ITNW 1321 Introduction to Networking (3)

(This is a WECM Course Number.)

Introduction to the fundamentals, basic concepts, and terminology of networks. Topics include the access and use of the Internet and networking hardware and software, including current developments in networking. This course is cross-listed as ITNW 1421. The student may register for either ITNW 1321 or ITNW 1421, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

ITNW 1340 I-Net+ (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Various responsibilities and tasks required for an Internet Developer. Prepares individuals to pass the Computing Technology Industry Association (CompTIA) Net+ certification exam. Licensing/Certification Agency: Computing Technology Industry Association. (2 Lec., 4 Lab.)

ITNW 1351 Fundamentals of Wireless LANs (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Designing, planning, implementing, operating, and troubleshooting wireless LANs (WLANs). Includes WLAN design, installation, and configuration; and WLAN security issues and vendor interoperability strategies. (2 Lec., 4 Lab.)

ITNW 1353 Supporting Network Server Infrastructure (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Skills development in installing, configuring, managing, and supporting a network infrastructure. This course is cross-listed as ITNW 1453. The student may register for either ITNW 1353 or ITNW 1453, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

ITNW 1358 Network+ (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Prepares individuals for a career as a Network Engineer in the Information Technology support industry. Includes the various responsibilities and tasks required for service engineer to successfully perform in a specific environment. Prepares individual to pass the Computing Technology Industry Association (CompTIA) Network+ certification exam. Licensing/Certification Agency: Computing Technology Industry Association. (2 Lec., 2 Lab.)

ITNW 1380 Cooperative Education-Business Systems Networking and Telecommunications (3)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment.

Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

ITNW 1392 Special Topics in Business Systems Networking and Telecommunications (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

ITNW 1403 Managing a Microsoft® Windows Network Environment (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Installation and configuration tasks and network and operating system management tasks. Includes troubleshooting tasks, hardware and software installations. Configurations, upgrades, and some network and system operations in a Microsoft® Windows network environment. (3 Lec., 4 Lab.)

ITNW 1416 Netware Administration (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. An introduction to Netware administration. This course is cross-listed as ITNW 1316. The student may register for either ITNW 1416 or ITNW 1316, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITNW 1421 Introduction to Networking (4)

(This is a WECM course.)

Introduction to the fundamentals, basic concepts, and terminology of networks. Topics include the access and use of the Internet and networking hardware and software, including current developments in networking. This course is cross-listed as ITNW 1321. The student may register for either ITNW 1421 or ITNW 1321, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 3 Lab.)

ITNW 1425 Fundamentals of Networking Technologies (4)

(This is a WECM Course Number.)

Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. (3 Lec., 4 Lab.)

ITNW 1437 Introduction to the Internet (4)

(This is a WECM Course Number.)

Introduction to the Internet with emphasis on using the World Wide Web to locate, transfer, and publish information. Survey of emerging technologies on the Internet. (3 Lec., 4 Lab.)

ITNW 1440 I-Net+ (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Various responsibilities and tasks required for an Internet Developer. Prepares individuals to pass the Computing Technology Industry Association (CompTIA) Net+ certification exam. Licensing/Certification Agency: Computing Technology Industry Association. (3 Lec., 4 Lab.)

ITNW 1446 Microsoft® Exchange Server - Concepts and Administration (4)

(This is a WECM Course Number.)

Skills development in the day-to-day management of an established Exchange Server Organization using Microsoft® Exchange Server. (3 Lec., 4 Lab.)

ITNW 1448 Implementing and Supporting Client Operating Systems (4)

(This is a WECM Course Number.)

Prerequisite: Basic networking and operating system essentials skills or instructor approval. Skills development in the management of client/desktop operating systems. (3 Lec., 4 Lab.)

ITNW 1451 Fundamentals of Wireless LANs (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Designing, planning, implementing, operating, and troubleshooting wireless LANs (WLANs). Includes WLAN design, installation, and configuration; and WLAN security issues and vendor interoperability strategies. (3 Lec., 4 Lab.)

ITNW 1453 Supporting Network Server Infrastructure (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Skills development in installing, configuring, managing, and supporting a network infrastructure. This course is cross-listed as ITNW 1353. The student may register for either ITNW 1453 or ITNW 1353, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITNW 1454 Implementing and Supporting Servers (4)

(This is a WECM Course Number.)

Prerequisite: Basic networking and client operating system essentials skills or instructor approval. A course in the development of skills necessary to implement, administer, and troubleshoot information systems that incorporate Windows-based Servers in a networked computing environment. (3 Lec., 4 Lab.)

ITNW 1456 Implementing Microsoft® Internet Explorer (4)

(This is a WECM Course Number.)

Prerequisite: Basic networking and client operating system essentials skills or instructor approval. An introduction to the architecture and features of Microsoft® Internet Explorer. Topics include set up, configuration, use, and deployment of Internet Explorer in a network environment. (3 Lec., 4 Lab.)

ITNW 1480 Cooperative Education-Business Systems Networking and Telecommunications (4)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 30 Ext.)

ITNW 1492 Special Topics in Computer Systems Networking and Telecommunications (4)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITNW 2126 Advanced Topics in UNIX (1)

(This is a WECM Course Number.)

Prerequisite: ITSC 2437 or instructor approval. Operating system installation, system management, and UNIX pitfall avoidance. (4 Lab.)

ITNW 2313 Networking Hardware (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, experience or instructor approval. Maintain network hardware devices. Topics include network cables, servers, and workstations; network connectivity devices such as routers, hubs, bridges, gateways, repeaters, and uninterruptible power supplies; and other networking hardware devices. This course is cross-listed as ITNW 2413. The student may register for either ITNW 2313 or ITNW 2413, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec.)

ITNW 2315 Wide Area Networks (3)

(This is a WECM Course Number.)

Introduce technologies and protocols used to move data, voice, and video across long distances. Basic concepts of how information is transported over a wide area network (WAN) from the physical layer to the application layer are also introduced. This course is cross-listed as ITNW 2415. The student may register for either ITNW 2315 or ITNW 2415, but may receive credit for only one of the two.

3 Lec.)

ITNW 2321 Networking with TCP/IP (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Set up, configure, use, and support Transmission Control Protocol/Internet Protocol (TCP/IP) on networking operating systems. This course is cross-listed as ITNW 2421. The student may register for either ITNW 2321 or ITNW 2421, but may receive credit for only one of the two. (3 Lec.)

ITNW 2335 Network Troubleshooting and Support (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Troubleshoot and support networks with emphasis on solving real world problems in a hands-on environment. Topics include troubleshooting and research techniques, available resources, and network management hard/software. This course is cross-listed as ITNW 2435. The student may register for either ITNW 2335 or ITNW 2435, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 4 Lab.)

ITNW 2354 Internet/intranet Server (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Designing, installing, configuring, maintaining, and managing an Internet server. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

ITNW 2355 Administering Microsoft® SQL Server (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Administering SQL Server is a skills development course in the installation, configuration, administration, and troubleshooting of SQL Servers client/server database management system version. This course is cross-listed as ITNW 2455. The student may register for either ITNW 2355 or ITNW 2455, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

ITNW 2357 Designing a Network Infrastructure (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Provides senior support professionals with the information and skills to create a networking services infrastructure design that supports the required network applications. This course is cross-listed as ITNW 2457. The student may register for either ITNW 2357 or ITNW 2457, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

ITNW 2401 Administering Servers (4)

(This is a WECM Course Number.)

Post-installation and day-to-day administration tasks of various operating system servers. (3 Lec., 4 Lab.)

ITNW 2413 Networking Hardware (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Maintain network hardware devices. Topics include network cables, servers, and workstations; network connectivity devices such as routers, hubs, bridges, gateways, repeaters, and uninterruptible power supplies; and other networking hardware devices. This course is cross-listed as ITNW 2313. The student may register for either ITNW 2413 or ITNW 2313, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITNW 2415 Wide Area Networks (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Introduce technologies and protocols used to move data, voice, and video across long distances. Basic concepts of how information is transported over a wide area network (WAN) from the physical layer to the application layer are also introduced. This course is cross-listed as ITNW 2315. The student may register for either ITNW 2415 or ITNW 2315, but may receive credit for only one of the two. (3 Lec., 4 Lab.)

ITNW 2421 Networking with TCP/IP (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Set up, configure, use, and support Transmission Control Protocol/Internet Protocol (TCP/IP) on networking operating system. This course is cross-listed as ITNW 2321. The student may register for either ITNW 2421 or ITNW 2321, but may receive credit for only one of the two. (3 Lec., 4 Lab.)

ITNW 2435 Network Troubleshooting and Support (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Troubleshoot and support networks with emphasis on solving real world problems in a hands-on environment. Topics include troubleshooting and research techniques, available resources, and network management hard/software. This course is cross-listed as ITNW 2335. The student may register for either ITNW 2435 or ITNW 2335, but may receive credit for only one of the two. (3 Lec., 4 Lab.)

ITNW 2449 Securing Intranets with Border Manager (4)

(This is a WECM Course Number.)

Prerequisite: Instructor approval. Instruction in the implementation of BorderManager including installation, configuration administration, maintenance, and implementation of access control and troubleshooting components. Licensing/Certification Agency: Novell Corporation. (3 Lec., 4 Lab.)

ITNW 2453 Supporting Proxy Services (4)

(This is a WECM Course Number.)

Prerequisite: ITMC 1442 or instructor approval.

An introduction to Network Proxy Services including installation, configuration, and troubleshooting Basic architecture, controlling Internet access, administration, configuring the cache, and methods of improving performance. (3 Lec., 4 Lab.)

ITNW 2454 Internet/Intranet Server (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Designing, installing, configuring, maintaining, and managing an Internet server. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITNW 2455 Administering Microsoft® SQL Server (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Administering SQL Server is a skills development course in the installation, configuration, administration, and troubleshooting of SQL Servers client/server database management system version. This course is cross-listed as ITNW 2355. The student may register for either ITNW 2455 or ITNW 2355, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITNW 2456 Designing Network Directory Infrastructure Servers (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Design, implement, and support network operating system, server directory infrastructure. (3 Lec., 4 Lab.)

ITNW 2457 Designing a Network Infrastructure (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Provides senior support professionals with the information and skills to create a networking services infrastructure design that supports the required network applications. This course is cross-listed as ITNW 2357. The student may register for either ITNW 2457 or ITNW 2357, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITNW 2458 Designing and Implementing Mail Servers (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. An in-depth study of electronic messaging using mail servers. (3 Lec., 4 Lab.)

ITNW 2459 Web Server Support and Maintenance (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Instruction in the installation, configuration, and implementation of Internet Web servers. (3 Lec., 4 Lab.)

ITNW 2476 Operating Systems Security (4)

(This is a WECM Course Number.)

Prerequisite: ITNW 2417 (Network Security).

This course deals with the general needs for securing a single computer, or a series of computers, in a network. The primary focus of the course is protecting the operating system, access to the operating system, and the data on that operating system or systems. (3 Lec., 4 Lab.)

ITNW 2477 Security Assessments and Auditing (4)

(This is a WECM Course Number.)

Prerequisite: ITNW 2446 (Designing a Secure Network). This course covers the procedures, concerns, policies, and practices of security assessment and auditing. The primary focus of the course is three-fold: (1) assessing the security needs in various environments; (2) auditing the current level of security in the environment under study; and (3) recommending a methodology to bring the environment into compliance with the recommended security procedures and policies. (3 Lec., 4 Lab.)

ITNW 2478 Incident Response and Handling (4)

(This is a WECM course number.)

Prerequisite: ITNW 2477 (Security Assessments and Auditing). This course deals with the processes, procedures, precedents, and operations necessary to determine when a security breach has occurred; stabilize and preserve the records and data about the incident for later reporting; prepare and present the incident information to the appropriate agencies; and recover the data and systems following the incident. (3 Lec., 4 Lab.)

ITSC 1191 Special Topics in Computer and Information Sciences, General (1)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary. (1 Lec.)

ITSC 1280 Cooperative Education-Business-Computer and Information Sciences (2)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 10 Ext.)

ITSC 1281 Cooperative Education-Computer and Information Sciences (2)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 10 Ext.)

ITSC 1291 Special Topics in Computer and Information Sciences, General (2)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary. (2 Lec.)

ITSC 1329 Fundamentals of Solaris 8 Operating Environment (SA-118) (3)

(This is a WECM Course Number.)

Prerequisite: Basic networking and operating essentials skills or instructor approval. Designed for the student interested in Solaris certification, this course is for new users and covers how to use the basic Solaris operating environment. Topics include fundamental command-line features of the Solaris operating environment file system, file permissions, the VI text editor, command shells, and basic network use. Licensing/Certification Agency: Sun Microsystems. (2 Lec., 4 Lab.)

ITSC 1347 UNIX System Administration II (3)

(This is a WECM Course Number.)

Prerequisite: ITSC 1358 or instructor approval. Provides students with the necessary skills to administer UNIX workstations in a network environment. System security features will be presented. (2 Lec., 4 Lab.)

ITSC 1352 Solaris Operating Environment 8 Systems Administrations II (SA-288) (3)

(This is a WECM Course Number.)

Prerequisite: ITSC 1354 or instructor approval. Designed for the student interested in Solaris certification. This course covers how to install and maintain Sun systems, configure and troubleshoot the Network File System (NFS) environment, and configure the Network Information Services (NIS) environment. Licensing/Certification Agency: Sun Microsystems. (2 Lec., 4 Lab.)

ITSC 1354 Solaris Operating Environment 8 Systems Administrations (SA-238) (3)

(This is a WECM Course Number.)

Prerequisite: ITSC 1356 or instructor approval. Designed for the student interested in Solaris certification. This course provides students with the necessary knowledge and skills to perform the essential system administration tasks in a Solaris 8 Operating Environment. Instructional topics include essential tasks of standalone installation, file system management, backup procedures, process control, user administration, and device management. Licensing/Certification Agency: Sun Microsystems. (2 Lec., 4 Lab.)

ITSC 1356 Shell Programming (SL-120) (3)

(This is a WECM Course Number.)

Prerequisite: ITSC 1429 or instructor approval. Designed for the student interested in Solaris certification. This course provides students with the knowledge to read, write, and debug C shell scripts. Students are taught how to develop simple scripts to automate frequently executed sequences of commands, and how to use conditional logic, user interaction, loops, and menus to enhance the productivity and effectiveness of the user. This course is intended for programmers who are familiar with the Solaris operating environment and who would like to read and understand various C shell scripts and write their own shell scripts to automate their day-to-day tasks. Licensing/Certification Agency: Sun Microsystems. (2 Lec., 4 Lab.)

ITSC 1358 UNIX System Administration I (3)

(This is a WECM Course Number.)

Prerequisite: ITSC 1407 or instructor approval. Provide new system administrators the basics of administering UNIX workstations. Students will perform basic system administration tasks, such as installing a standalone system, adding users, backing up and restoring file systems, and adding new printer support. Emphasis on the procedures needed to perform these system administration tasks. Introduces the concept of the system and disk management. (2 Lec., 4 Lab.)

ITSC 1380 Cooperative Education - Computer and Information Sciences, General (3)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

ITSC 1381 Cooperative Education-Computer and Information Sciences (3)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

ITSC 1391 Special Topics in Computer and Information Sciences, General (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

ITSC 1401 will not meet the computer literacy requirement in the core curriculum and/or Associate in Arts or Associate in Sciences degrees. COSC 1300 will meet this requirement. ITSC 1401 meets the computer literacy requirement in most technical certificates and degrees. COSC 1300 will not substitute for ITSC 1401 and ITSC 1401 cannot be substituted for COSC 1300.

ITSC 1401 Introduction to Computers (4)

(This is a WECM Course Number.)

Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Explores integration and application in business and other segments in society. Fundamentals of computer problem-solving and programming may be discussed. Examines applications and software relating to a specific curricular area. (3 Lec., 4 Lab.)

ITSC 1405 Introduction to PC Operating Systems (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of personal computers and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 or equivalent experience approved by instructor. A study of personal computer operating systems. Topics include installation and configuration, file management, memory and storage management, control of peripheral devices, and use of utilities. (3 Lec., 3 Lab.)

ITSC 1407 UNIX Operating System I (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of personal computers and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 or equivalent experience approved by instructor. A study of the UNIX operating system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Topics include introductory systems management concepts. (3 Lec., 3 Lab.)

ITSC 1409 Integrated Software Applications I (4)

(This is a WECM Course Number.)

Integration of applications from popular business productivity software suites. Instruction in embedding data, linking and combining documents using word processing, spreadsheets, databases, and/or presentation media software. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSC 1413 Internet/Web Page Development (4)

(This is a WECM Course Number.)

Instruction in the use of Internet services and the fundamentals of web page design and web site development. This course may be repeated when topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSC 1421 Intermediate PC Operating Systems (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of personal computers and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 or equivalent experience approved by instructor. Continued study in advanced installation and configuration troubleshooting, advanced file management, memory and storage management. Update peripheral device drivers, and use of utilities to increase system performance. (3 Lec., 3 Lab.)

ITSC 1425 Personal Computer Hardware (4)

(This is a WECM course number.)

Prerequisite: Basic understanding of personal computers and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 or equivalent experience approved by instructor. A study of current personal computer hardware including personal computer assembly and upgrading, setup and configuration, and troubleshooting. (3 Lec., 3 Lab.)

ITSC 1429 Fundamentals of Solaris 8 Operating Environment (SA-118) (4)

(This is a WECM Course Number.)

Designed for the student interested in Solaris certification, this course is for new users and covers how to use the basic Solaris operating environment. Topics include fundamental command-line features of the Solaris operating environment file system, file permissions, the VI text editor, command shells, and basic network use. Licensing/Certification Agency: Sun Microsystems. (3 Lec., 3 Lab.)

ITSC 1447 UNIX System Administration II (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1458 or instructor approval. Provides students with the necessary skills to administer UNIX workstations in a network environment. System security features will be presented. (3 Lec., 3 Lab.)

ITSC 1452 Solaris Operating Environment 8 Systems Administrations II (SA-288) (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1454 or instructor approval. Designed for the student interested in Solaris certification. This course covers how to install and maintain Sun systems, configure and troubleshoot the Network File System (NFS) environment, and configure the Network Information Services (NIS) environment. Licensing/Certification Agency: Sun Microsystems. (3 Lec., 3 Lab.)

ITSC 1454 Solaris Operating Environment 8 Systems Administrations (SA-238) (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1456 or instructor approval. Designed for the student interested in Solaris certification. This course provides students with the necessary knowledge and skills to perform the essential system administration tasks in a Solaris 8 Operating Environment. Instructional topics include essential tasks of standalone installation, file system management, backup procedures, process control, user administration, and device management. Licensing/Certification Agency: Sun Microsystems. (3 Lec., 3 Lab.)

ITSC 1456 Shell Programming (SL-120) (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1429 or instructor approval. Designed for the student interested in Solaris certification. This course provides students with the knowledge to read, write, and debug C shell scripts. Students are taught how to develop simple scripts to automate frequently executed sequences of commands, and how to use conditional logic, user interaction, loops, and menus to enhance the productivity and effectiveness of the user. This course is intended for programmers who are familiar with the Solaris operating environment and who would like to read and understand various C shell scripts and write their own shell scripts to automate their day-to-day tasks. Licensing/Certification Agency: Sun Microsystems. (3 Lec., 3 Lab.)

ITSC 1458 UNIX System Administration I (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1407 or instructor approval. Provide new system administrators the basics of administering UNIX workstations. Students will perform basic system administration tasks, such as installing a standalone system, adding users, backing up and restoring file systems, and adding new printer support. Emphasis on the procedures needed to perform these system administration tasks. Introduces the concept of the system and disk management. (3 Lec., 3 Lab.)

ITSC 1480 Cooperative Education-Computer and Information Sciences (4)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 30 Ext.)

ITSC 1491 Special Topics in Computer and Information Sciences, General (4)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. This course may be repeated if topics and learning outcomes vary.

(3 Lec., 4 Lab.)

ITSC 2431 Integrated Software Applications III (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1409 or instructor consent. Designed for advanced users with emphasis on a wide range of productivity tasks including complex assignments that require advanced formatting and functionality. This course may be repeated if topics and learning outcomes vary.

(3 Lec., 3 Lab.)

ITSC 2435 Application Problem Solving (4)

(This is a WECM Course Number.)

Analysis and design methods and tools are studied and applied to practical situations involving various business functions. Utilization of current application software to solve advanced problems and generate customized solutions, involving projects and software specific to a specific curricular area. Topics include problem solving skills, logic structures, and programming.

(3 Lec., 4 Lab.)

ITSC 2437 UNIX Operating System II (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1407 or instructor consent. Continued study of the UNIX operating system commands. Includes additional scripting topics such as CGI or PERL.

(3 Lec., 3 Lab.)

ITSC 2439 Personal Computer Help Desk (4)

(This is a WECM Course Number.)

Prerequisite: ITSC 1405 and (ITSW 1401 or ITSW 2431) and (ITSW 1404 or ITSW 1434) and (ITSW 1407 or ITSW 2437) or instructor approval. Diagnosis and solution of user hardware and software related problems with on-the-job projects. (2 Lec., 4 Lab.)

ITSE 1311 Web Page Programming (3)

(This is a WECM Course Number.)

Instruction in Internet Web page programming and related graphic design issues including mark-up language, Web sites, Internet access software, and interactive topics. May include use of HTML, CGI, JAVA, Javascript, or ASP. This course is cross-listed as ITSE 1411. The student may register for either ITSE 1311 or ITSE 1411, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 4 Lab.)

ITSE 1346 Database Theory and Design (3)

(This is a WECM Course Number.)

Introduction to the analysis and utilization of data requirements and organization into normalized tables using the four normal forms of database design.

(2 Lec., 4 Lab.)

ITSE 1350 System Analysis and Design (3)

(This is a WECM Course Number.)

Prerequisite: Any ITSE programming course or instructor approval. Comprehensive introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. (2 Lec., 4 Lab.)

ITSE 1354 Oracle Application Server (3)

(This is a WECM Course Number.)

Prerequisite: Previous Oracle skills or instructor consent. Introduction of knowledge and skills related to Oracle Application Server. Includes e-commerce solution, web related content management, business logic implementation, security, and object. (2 Lec., 4 Lab.)

ITSE 1356 Introduction to XML (3)

(This is a WECM Course Number.)

Prerequisite: Basic web page generation skills or instructor approval. Introduction of skills and practice related to the Extensible Markup Language/Simple Object Access Protocol. Topics to be covered will include: elements, attributes, namespaces, entities, and what constitutes a well-formed document. (2 Lec., 2 Lab.)

ITSE 1358 Oracle Topics: Portal (3)

(This is a WECM Course Number.)

Prerequisite: Previous Oracle skills or instructor consent. Introduction of interactive programming on the Web using Oracle's browser-based technology for information portals. Emphasizes knowledge and practice skills to master portal creation, database browsing, application development, component management and performance.

(2 Lec., 2 Lab.)

ITSE 1359 Introduction to Scripting Languages (3)

(This is a WECM Course Number.)

Prerequisite: Basic web page generation skills or instructor approval. Introduction to the Perl programming language with the utilization of the three basic types of scalars, arrays and hashes, the control structures, regular expressions, I/O, and textual analysis. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 2 Lab.)

ITSE 1380 Cooperative Education-Computer Programming (3)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

ITSE 1381 Cooperative Education-Computer Programming (3)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 20 Ext.)

ITSE 1391 Special Topics in Computer Programming (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

ITSE 1407 Introduction to C++ Programming (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor consent. Introduction to computer programming using C++. Emphasis on the fundamentals of structured design with development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. (3 Lec., 4 Lab.)

ITSE 1411 Web Page Programming (4)

(This is a WECM Course Number.)

Instruction in Internet Web page programming and related graphic design issues including mark-up language, Web sites, Internet access software, and interactive topics. May include use of HTML, CGI, JAVA, Javascript, or ASP. This course is cross-listed as ITSE 1311. The student may register for either ITSE 1411 or ITSE 1311, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSE 1431 Introduction to Visual BASIC Programming (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor consent. Introduction to computer programming using Visual BASIC. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. (3 Lec., 4 Lab.)

ITSE 1440 Mastering Distributed Application Design and Development Using Microsoft® Visual Studio (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 1431 or ITSE 2449 or instructor approval. An introduction to the creation of enterprise-level applications and the use of appropriate design tools and technology with Microsoft® Visual Studio. Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITSE 1444 Mastering Microsoft® Visual Basic Development (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 2450 or ITSE 1440 or instructor approval. Skill development in the creation of database applications using component object model (COM). Licensing/Certification Agency: Microsoft® Corporation. (3 Lec., 4 Lab.)

ITSE 1449 Programming Logic and Design (4)

(This is a WECM Course Number.)

A disciplined approach to problem-solving with structured techniques and representation of algorithms using appropriate design tools. Discussion of methods for testing, evaluation, and documentation. (3 Lec., 4 Lab.)

ITSE 1450 System Analysis and Design (4)

(This is a WECM Course Number.)

Prerequisite: Any ITSE programming course or instructor approval. Comprehensive introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. (3 Lec. 3 Lab.)

ITSE 1480 Cooperative Education-Computer Programming (4)

(This is a WECM Course Number.)

Prerequisite: Instructor approval prior to enrollment. Career-related activities, encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. (1 Lec., 30 Ext.)

ITSE 1491 Special Topics in Computer Programming (4)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSE 2313 Web Authoring (3)

(This is a WECM Course Number.)

Instruction in designing and developing web pages that incorporate text, graphics, and other supporting elements using current technologies and authoring tools. This course is cross-listed as ITSE 2413. The student may register for either ITSE 2313 or ITSE 2413, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

ITSE 2354 Advanced Oracle PL/SQL (3)

(This is a WECM Course Number.)

Prerequisite: ITSE 1345 or instructor approval. A continuation of Oracle SQL. Topics include hierarchical queries, set based queries, correlated subqueries, scripting, and scripting generation. (2 Lec., 4 Lab.)

ITSE 2401 Windows Programming Using C++ (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor consent. Introduction to computer programming for windows using C++. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. (3 Lec., 4 Lab.)

ITSE 2405 Windows Programming (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor consent. Introduction to computer programming for windows. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. This course is cross-listed as ITSE 2305. The student may register for either ITSE 2405 or ITSE 2305, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSE 2409 Database Programming (4)

(This is a WECM course number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor consent. Application development using database programming techniques emphasizing database structures, modeling, and database access. (3 Lec., 4 Lab.)

ITSE 2413 Web Authoring (4)

(This is a WECM Course Number.)

Instruction in designing and developing web pages that incorporate text, graphics, and other supporting elements using current technologies and authoring tools. This course is cross-listed as ITSE 2313. The student may register for either ITSE 2413 or ITSE 2313, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSE 2417 JAVA Programming (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor consent. Introduction to JAVA programming with object-orientation. Emphasis on the fundamental syntax and semantics of JAVA for applications and web applets. (3 Lec., 4 Lab.)

ITSE 2421 Object-Oriented Programming (4)

(This is a WECM Course Number.)

Prerequisite: Basic understanding of problem solving and logic structures used with computers obtained in ITSC 2435 or equivalent experiences approved by instructor consent. Introduction to object-oriented programming. Emphasis on the fundamentals of structured design, development, testing, implementation, and documentation. Includes object-oriented programming techniques, classes, and objects. (3 Lec., 4 Lab.)

ITSE 2429 Oracle Network Administration and Performance Tuning (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 2358 or ITSE 2458 or instructor approval. Introduction to Oracle Client/Server connectivity and distributed databases including configuring, administering, tuning, troubleshooting Oracle SQL *Net and related tools. (2 Lec., 4 Lab.)

ITSE 2431 Advanced C++ Programming (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 1407 or instructor approval. Further application of C++ programming techniques including subjects such as file access, abstract data structures, class inheritance, and other advanced techniques. (3 Lec., 4 Lab.)

ITSE 2437 Assembly Language Programming (4)

(This is a WECM Course Number.)

Prerequisite: Any ITSE programming course or instructor consent. Comprehensive coverage of low-level computer operations and architecture. Includes design, development, testing, implementation, and documentation of programs; language syntax; data manipulation; input/output devices and operations; and file access. (3 Lec., 4 Lab.)

+ITSE 2439 Advanced Windows Programming Using C++ (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 2401 or instructor approval.

Further applications of windows programming techniques using C++ including file access methods, data structures, modular programming, program testing, and documentation. (3 Lec., 3 Lab.)

ITSE 2443 Advanced Windows Programming (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 2405 or instructor consent. Further applications of windows programming techniques, including file access methods, data structures, modular programming, program testing, and documentation.

(3 Lec., 4 Lab.)

ITSE 2445 Data Structures (4)

(This is a WECM Course Number.)

Prerequisite: Any ITSE Introductory programming course or instructor approval. Further applications of programming techniques. Includes an in-depth look at various data structures and the operations performed on them.

(3 Lec., 3 Lab.)

ITSE 2447 Advanced Database Programming (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 2409 or instructor consent. Application development using complex database programming techniques emphasizing multiple interrelated files, menu design, security implementation, and multiple access.

(3 Lec., 4 Lab.)

ITSE 2449 Advanced Visual BASIC Programming (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 1431 or instructor consent. Further applications of programming techniques using Visual BASIC. Topics include file access methods, data structures, modular programming, program testing, and documentation. (3 Lec., 4 Lab.)

ITSE 2450 Mastering Enterprise Development Using Microsoft® Visual Basic (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 1431 or ITSE 2449 or instructor approval. In-depth development of client/server solutions using component object modeling (COM). Licensing/Certification Agency: Microsoft® Corporation.

(3 Lec., 4 Lab.)

ITSE 2457 Advanced Object-Oriented Programming (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 2421 or instructor consent. Application of advanced object-oriented programming techniques such as abstract data structures, class inheritance, virtual functions, and exception handling. (3 Lec., 4 Lab.)

ITSE 2459 Advanced Computer Programming (4)

(This is a WECM Course Number.)

Prerequisite: ITSE 1402 or instructor consent. Further applications of programming techniques. Topics include file access methods, data structures, modular programming, program testing, and documentation. This course is cross-listed as ITSE 2359. The student may register for either ITSE 2459 or ITSE 2359, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSW 1401 Introduction to Word Processing (4)

(This is a WECM Course Number.)

Prerequisite: Keyboarding skills required. An overview of the production of documents, tables, and graphics. Topics include entry and editing, reformatting, search and replace, cut-and-paste, file and print operations, and spelling checkers. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSW 1404 Introduction to Spreadsheets (4)

(This is a WECM Course Number.)

Prerequisite: Keyboarding skills recommended. Instruction in the concepts, procedures, and importance of electronic spreadsheets. Topics include formula creation, template design, formatting features, statistical, mathematical and financial functions, file operations, report generation, graphics, and introduction to macro programming. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSW 1407 Introduction to Database (4)

(This is a WECM Course Number.)

Prerequisite: Keyboarding skills recommended. Introduction to database theory and the practical applications of a database. Topics include terminology, database design, table structures, report forms, queries and macros. This course is cross-listed as ITSW 1307. The student may register for either ITSW 1407 or ITSW 1307, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSW 1410 Introduction to Presentation Graphics Software (4)

(This is a WECM course number.)

Prerequisite: Basic understanding of personal computers and operating systems as obtained in ITSC 1401 or BCIS 1405 or COSC 1401 or equivalent experience approved by instructor. Instruction in the utilization of presentation software to produce multimedia presentations. Graphics, text, sound, animation and/or video may be used in presentation development. This course is cross-listed as ITSW 1310. The student may register for either ITSW 1410 or ITSW 1310, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSW 1413 Introduction to Data Entry (4)

(This is a WECM course number.)

Prerequisite: Keyboarding by touch (15 to 20 wpm). Training in data input. Includes source documents, conversion of source data into computer input media, input record layout design, and input coding. (3 Lec., 4 Lab.)

ITSW 2401 Fundamentals of Geographic Information Systems (GIS) (4)

(This is a WECM Course Number.)

Prerequisite: ITSW 1407 or instructor approval. Introduction in the use of geographic information systems software for planning and problem-solving. (3 Lec., 4 Lab.)

ITSW 2431 Advanced Word Processing (4)

(This is a WECM course number.)

Prerequisite: ITSW 1401 or instructor consent. Continuation of the study of word processing including advanced applications in merging, macros, graphics, desktop publishing, and extensive formatting for technical documents. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSW 2434 Advanced Spreadsheets (4)

(This is a WECM Course Number.)

Prerequisite: ITSW 1404 or instructor consent. Designed to provide an understanding of advanced functionality of electronic spreadsheets. Topics include mathematical and financial functions, advanced formatting, graphics and macros. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSW 2437 Advanced Database (4)

(This is a WECM Course Number.)

Prerequisite: ITSW 1407 or instructor consent. Designed to provide an understanding of advanced functionality of databases. Topics include advanced data manipulation features, importing and exporting data, and advanced macros and programming. This course may be repeated if topics and learning outcomes vary. (3 Lec., 4 Lab.)

ITSY 1300 Fundamentals of Information Security (3)

(This is a WECM Course Number.)

Basic information security goals of availability, integrity, accuracy, and confidentiality. Vocabulary and terminology specific to the field of information security are discussed. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning and administrative controls is also discussed. (2 Lec., 4 Lab.)

ITSY 1342 Information Technology Security (3)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses. (2 Lec., 4 Lab.)

ITSY 1400 Fundamentals of Information Security (4)

(This is a WECM Course Number.)

Basic information security goals of availability, integrity, accuracy, and confidentiality. Vocabulary and terminology specific to the field of information security are discussed. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning and administrative controls is also discussed. (3 Lec., 4 Lab.)

ITSY 1442 Information Technology Security (4)

(This is a WECM Course Number.)

Prerequisite: Prior networking course, networking experience or instructor approval. Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses. (3 Lec., 4 Lab.)

ITSY 2300 Operating System Security (3)

(This is a WECM Course Number.)

Prerequisite: ITSY 1342 or instructor approval. Safeguard computer operating systems by demonstrating server support skills and designing and implementing a security system. Identify security threats and monitor network security implementations. Use best practices to configure operating systems to industry security. (2 Lec., 4 Lab.)

ITSY 2301 Firewalls and Network Security (3)

(This is a WECM Course Number.)

Prerequisite: ITSY 1342 or instructor approval. Identify elements of firewall design, types of security threats and responses to security attacks. Use best practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. (2 Lec., 4 Lab.)

ITSY 2341 Security Management Practices (3)

(This is a WECM Course Number.)

Prerequisite: ITSY 2301 or instructor approval. In-depth coverage of security management practices, including asset evaluation and risk management; cyber law and ethics issues; policies and procedures; business recovery and business continuity planning; network security design; and developing and maintaining a security plan. (2 Lec., 4 Lab.)

ITSY 2342 Incident Response and Handling (3)

(This is a WECM Course Number.)

Prerequisite: ITSY 2300 or instructor approval. In-depth coverage of incident response and incident handling, including identifying sources of attacks and security breaches; analyzing security logs; recovering the system to normal; performing postmortem analysis; and implementing and modifying security measures. (2 Lec., 4 Lab.)

ITSY 2343 Computer System Forensics (3)

(This is a WECM Course Number.)

Prerequisite: ITSY 2342 or instructor approval. In-depth study of system forensics including methodologies used for analysis of computer security breaches. Gather and evaluate evidence to perform postmortem analysis of a security breach. (2 Lec., 4 Lab.)

ITSY 2359 Security Assessment and Auditing (3)

(This is a WECM Course Number.)

Prerequisite: ITSY 2300 and ITSY 2301 or instructor approval. Capstone experience for the security curriculum. Synthesizes technical material covered in prior courses to monitor, audit, analyze, and revise computer and network security systems to ensure appropriate levels of protection are in place. (2 Lec., 4 Lab.)

ITSY 2400 Operating System Security (4)

(This is a WECM Course Number.)

Prerequisite: ITSY 1442 or instructor approval. Safeguard computer operating systems by demonstrating server support skills and designing and implementing a security system. Identify security threats and monitor network security implementations. Use best practices to configure operating systems to industry security. (3 Lec., 4 Lab.)

ITSY 2401 Firewalls and Network Security (4)

(This is a WECM Course Number.)

Prerequisite: ITSY 1442 or instructor approval. Identify elements of firewall design, types of security threats and responses to security attacks. Use best practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. (3 Lec., 4 Lab.)

ITSY 2441 Security Management Practices (4)

(This is a WECM Course Number.)

Prerequisite: ITSY 2401 or instructor approval. In-depth coverage of security management practices, including asset evaluation and risk management; cyber law and ethics issues; policies and procedures; business recovery and business continuity planning; network security design; and developing and maintaining a security plan. (3 Lec., 4 Lab.)

ITSY 2442 Incident Response and Handling (4)

(This is a WECM Course Number.)

Prerequisite: ITSY 2400 or instructor approval. In-depth coverage of incident response and incident handling, including identifying sources of attacks and security breaches; analyzing security logs; recovering the system to normal; performing postmortem analysis; and implementing and modifying security measures. (3 Lec., 4 Lab.)

ITSY 2443 Computer System Forensics (4)

(This is a WECM Course Number.)

Prerequisite: ITSY 2442 or instructor approval. In-depth study of system forensics including methodologies used for analysis of computer security breaches. Gather and evaluate evidence to perform postmortem analysis of a security breach. (3 Lec., 4 Lab.)

ITSY 2459 Security Assessment and Auditing (4)

(This is a WECM Course Number.)

Prerequisite: ITSY 2400 and ITSY 2401 or instructor approval. Capstone experience for the security curriculum. Synthesizes technical material covered in prior courses to monitor, audit, analyze, and revise computer and network security systems to ensure appropriate levels of protection are in place. (3 Lec., 4 Lab.)

JOUR 1130 News Publications II (1)

(The Texas Common Course Number is COMM 1130.)

Prerequisite: JOUR 1129. All publication courses must be taken in sequence. Individual assignments are made for student media. Assignments may be in writing, advertising, photography, cartooning, and editing. Students are required to work at prescribed periods under supervision and must attend staff meetings. (3 Lab.)

(Coordinating Board Academic Approval Number 0904015406)

JOUR 1307 Introduction to Mass Communications (3)

(The Texas Common Course Number is COMM 1307.)

This course surveys the field of mass communications. Emphasis is on the role of mass media in modern society. (3 Lec.)

(Coordinating Board Academic Approval Number 0901025106)

JOUR 2330 Introduction to Public Relations (3)

(The Texas Common Course Number is COMM 2330.)

Exploration of the history and development of public relations. Presentation of the theory behind and process of public relations, including the planning, implementation, and evaluation of PR campaigns. (3 Lec.)

(Coordinating Board Academic Approval Number 0909025106)

JOUR 2332 Radio/Television News (3)

(The Texas Common Course Number is COMM 2332.)

Preparation and analysis of news styles for the electronic media. (3 Lec.)

(Coordinating Board Academic Approval Number 0904025206)

LOTT 1401 Introduction to Fiber Optics (4)

(This is a WECM Course Number.)

An introductory course in fiber optics and its application including advantages of fiber, light transmission in fiber, sources, detectors and connectors. (3 Lec., 3 Lab.)

LOTT 2340 Microwave Fundamentals (3)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. This course is an introduction to microwave theory and applications, transmitter and receiver. The student will state the principles of operation and demonstrate the proper, safe operation of microwave signal sources: reflex klystron, backward wave oscillator (BWO), traveling wave tube (TWT), magnetron, gunn effect device, and impact diode. The student will demonstrate the use of various types of measurement devices including but not limited to: microwave power meters, voltage standing wave ratio (VSWR) meters, slotted lines, frequency meters, and attenuators. The student will perform the calculation and conversion of measured values to a useful form; and verify through calculations and measurements characteristics of a transmission line and a transmission load. The student will demonstrate theory and use of the following waveguide and coaxial components given ZO and ZL: hybrid junctions, attenuators, detectors, modulators, matching stubs, and directional couplers. The student will state the principles of operation of microwave antennas, phased arrays, and lenses; and state the operating principles of the following terms: time domain reflectometer (TDR), multiplexing, and pulsed radar. (3 Lec.)

(See Developmental Mathematics also. Supplementary instruction in mathematics is available through the learning center.)

The following MATH courses meet the requirements for Core Curriculum EXCEPT: TECM 1303, TECM 1317, TECM 1341 and TECM 1349.

MATH 1314 is a 3 credit hour lecture course. MATH 1414 is a 4 credit hour lecture course. Either course will meet degree requirements.

MATH 1314 College Algebra (3)

(This is a Texas Common Course Number.)

Prerequisite: Two years of high school algebra and an appropriate assessment test score or Developmental Mathematics 0099 or Developmental Mathematics 0093. This course is a study of relations and functions including polynomial, rational, exponential, logarithmic, and special functions. Other topics include complex numbers, systems of equations and inequalities, theory of equations, progressions, the binomial theorem, proofs, and applications. MATH 1314 is a 3 credit hour lecture course. MATH 1414 is a 4 credit hour lecture course. Either course will meet degree requirements. This course is cross-listed as Math 1414. The student may register for either Math 1314 or Math 1414, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 2701015419)

MATH 1316 Plane Trigonometry (3)

(This is a Texas Common Course Number.)

Prerequisite: MATH 1314 or MATH 1414 or equivalent, or approval of instructor. This course is a study of angular measures, functions of angles, identities, solutions of triangles, equations, inverse trigonometric functions, and complex numbers. (3 Lec.)

(Coordinating Board Academic Approval Number 2701015319)

MATH 1324 Mathematics for Business and Economics (3)

(This is a Texas Common Course Number.)

Prerequisite: Two years of high school algebra and an appropriate assessment test score or Developmental Mathematics 0099 or Developmental Mathematics 0093. This course includes equations, inequalities, matrices, linear programming; linear, quadratic, polynomial, rational, exponential, and logarithmic functions; and probability. Applications to business and economics problems are emphasized. (3 Lec.)

(Coordinating Board Academic Approval Number 2703015219)

MATH 1325 Business Calculus and Applications I (3)

(This is a Texas Common Course Number.)

Prerequisite: MATH 1324, MATH 1314 or MATH 1414. This course includes limits, differential calculus, integral calculus, and appropriate applications. This course is cross-listed as Math 1425. The student may register for either Math 1325 or Math 1425, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 2703015219)

MATH 1350 Teaching Math in Elementary and Middle School I (3)

(This is a Texas Common Course Number.)

Prerequisite: MATH 1314 or MATH 1414 or the equivalent. Concepts of sets, functions, numeration systems, number theory, and properties of the natural numbers, integers, rational, and real number systems with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek middle grade (4-8) teacher certification. (3 Lec.)

(Coordinating Board Academic Approval Number 2701015619)

MATH 1351 Teaching Math in Elementary and Middle School II (3)

(This is a Texas Common Course Number.)

Prerequisite: MATH 1350. Concepts of geometry, probability, and statistics, as well as applications of the algebraic properties of real numbers to concepts of measurement with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek middle grade (4-8) certification. (3 Lec.)

(Coordinating Board Academic Approval Number 2701015619)

MATH 2315 Calculus III (3)

(This is a Texas Common Course Number.)

Prerequisite: MATH 2414 or equivalent. This course is a study of topics in vector calculus, functions of several variables, and multiple integrals, with applications. (3 Lec.)

(Coordinating Board Academic Approval Number 2701015919)

MATH 2342 Introductory Statistics (3)

(This is a Texas Common Course Number.)

Prerequisite: Two years of high school algebra and an appropriate assessment test score or Developmental Mathematics 0093 or Developmental Mathematics 0099. This course is a study of collection and tabulation of data, bar charts, graphs, sampling, measures of central tendency and variability, correlation, index numbers, statistical distributions, probability, and application to various fields. This course is cross-listed as Math 2442. The student may register for either Math 2342 or Math 2442, but may receive credit for only one of the two.

(3 Lec.)

(Coordinating Board Academic Approval Number 2705015119)

MATH 2412 Precalculus Mathematics (4)

(This is a Texas Common Course Number.)

Prerequisite: MATH 1316. This course consists of the study of algebraic and trigonometric topics including polynomial, rational, exponential, logarithmic and trigonometric functions and their graphs. Conic sections, polar coordinates, and other topics of analytic geometry will be included. (4 Lec.)

(Coordinating Board Academic Approval Number 2701015819)

MATH 2414 Calculus II (4)

(This is a Texas Common Course Number.)

Prerequisite: MATH 2513 or equivalent. This course is a study of techniques of integration, polar coordinates, parametric equations, topics in vector calculus, sequences, series, indeterminate forms, and partial differentiation with applications. (4 Lec.)

(Coordinating Board Academic Approval Number 2701015919)

MATH 2513 Calculus I (5)

(This is a Texas Common Course Number.)

Prerequisite: MATH 2412 or MATH 1348 or equivalent. This course is a study of limits, continuity, derivatives, and integrals of algebraic and transcendental functions, with applications. (5 Lec.)

(Coordinating Board Academic Approval Number 2701015919)

(Offered in cooperation with the University of Texas at Arlington. Registration for these courses is through Mountain View College.)

MILS 1141 Foundations of Leadership (1)

Fundamental concepts of leadership in a profession in both classroom and outdoor laboratory environments. The study of time management skills, basic drill and ceremony, physical fitness, repelling, leadership reaction course, first aid, making presentations and marksmanship. Concurrent enrollment in MILS 1180 leadership lab and mandatory participation in independent physical fitness training, plus optional participation in a weekend field training exercise. (1 Lec.)

MILS 1142 Introduction to Leadership (1)

Application of principles of leadership through participation in physically and mentally challenging exercises with upper division ROTC students. Course focuses on communication skills, organizational ethics, and study and time management techniques. Concurrent enrollment in MILS 1180 leadership lab and mandatory participation in individual physical fitness training, plus optional participation in a weekend field training exercise. (1 Lec.)

MILS 1180 Leadership Laboratory (1)

A practical laboratory of applied leadership and skills. Student-planned, -organized and -conducted training, oriented toward leadership development. Laboratory topics include marksmanship, small unit tactics, multi-tiered programs focused on individual skill levels. Uniform and equipment provided, no fee. This course may be repeated for credit. (3 Lab.)

MILS 2251 Individual/Team Development (2)

Application of ethics-based leadership skills and fundamentals of ROTC's Leadership Development Program. Develop skills in oral presentations, concise writing, event planning, coordination of group efforts, advanced first aid, land navigation, and military tactics. Concurrent enrollment in MILS 1180 leadership lab and mandatory participation in individual physical fitness training, plus optional participation in a weekend field training exercise. (2 Lec.)

MILS 2252 Individual/Team Military Tactics (2)

Introduction to individual and team aspects of military tactics in small unit operations. Includes use of radio communications, making safety assessments, movement techniques, planning for team safety/security, and pre-execution checks. Concurrent enrollment in MILS 1180 leadership lab and mandatory participation in individual physical fitness training, plus optional participation in a weekend field training exercise. (2 Lec.)

MILS 2291 Conference Course (2)

Prerequisite: Permission of the PMS. Independent study. Designed to supplement the military science curricula by a student's concentrated study in a narrower field of military skill or subject matter. This course may be repeated for credit. Does not count for PE credit. (2 Lec.)

MRKG 1291 Special Topics in Business Marketing and Marketing Management (2)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec.)

MRKG 1311 Principles of Marketing (3)

(This is a WECM Course Number.)

Introduction to basic marketing functions, identification of consumer and organizational needs, explanation of economic, psychological, sociological, and global issues, and description and analysis of the importance of marketing research. (3 Lec.)

MRKG 1381 Cooperative Education - Marketing/Marketing Management, General (3)

(This is a WECM Course Number.)

Prerequisite: Completion of two courses in Business Marketing or demonstrated competence approved by the instructor. Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 15 Ext.)

MRKG 2312 e-Commerce (3)

(This is a WECM Course Number.)

Prerequisite: Integrated Software Applications I for E-Commerce Program or none for Internet Development Technologies Programs. Explore electronic tools utilized in marketing; focus on marketing communications in developing customer relationships. (3 Lec.)

MUAP 1161 Applied Music-Guitar (1)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 1165 Applied Music-Organ (1)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 1169 Applied Music-Piano (1)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 1181 Applied Music-Voice (1)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2201- 2281 Applied Music-Concentration (2)

These courses are open to students enrolled in music theory, ensembles, or other music major and minor courses. They provide private instruction in the area of the student's concentration and consist of one hour of instruction per week. Private music may be repeated for credit. (1 Lec.)

MUAP 2261 Applied Music-Guitar (2)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2265 Applied Music-Organ (2)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2269 Applied Music-Piano (2)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2281 Applied Music-Voice (2)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2301 - 2381 Applied Music-Major (3)

These courses are primarily for music performance majors and are open to students enrolled in music theory, ensembles, or other music major and minor courses. They provide private instruction in the area of the student's major instrument and consist of one hour of instruction per week. These courses may be repeated for credit. (1 Lec.)

MUAP 2361 Applied Music-Guitar (3)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2365 Applied Music-Organ (3)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2369 Applied Music-Piano (3)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUAP 2381 Applied Music-Voice (3)

(This is a Texas Common Course Number.)

This course may be repeated for credit.

(Coordinating Board Academic Approval Number 5009035426)

MUEN 1123 Band (1)

(This is a Texas Common Course Number.)

Prerequisite: Demonstrated competence approved by the instructor. The band studies and performs a wide variety of music in all areas of band literature. This course may be repeated for credit. (3 Lab.)

(Coordinating Board Academic Approval Number 5009035526)

MUEN 2141 Chorus (1)

(This is a Texas Common Course Number.)

Prerequisite: Demonstrated competence approved by the instructor. A wide variety of music representing the literature of the great eras of music history is studied and performed. This course may be repeated for credit.

(3 Lab.)

(Coordinating Board Academic Approval Number 5009035526)

MUSI 1116 Musicianship I (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 1300, Music 1304 or consent of the instructor. Keyboard skills and aural skills (including sight-singing and ear training) are developed. It is recommended that students enrolled in Music 1311 enroll in this course.

(3 Lab.)

(Coordinating Board Academic Approval Number 5009045626)

MUSI 1117 Musicianship II (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 1116. This course is a continuation of Music 1116. It is recommended that students enrolled in Music 1312 enroll in this course. (3 Lab.)

(Coordinating Board Academic Approval Number 5009045626)

MUSI 1181 Piano Class I (1)

(This is a Texas Common Course Number.)

This course is primarily for students with no piano background. It develops basic musicianship and piano skills. (2 Lab.)

(Coordinating Board Academic Approval Number 5009075126)

MUSI 1182 Piano Class II (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 1181 or demonstrated competence approved by the instructor. The study of piano is continued. Included are technique, harmonization, transposition, improvisation, accompanying, sight reading, and performing various styles of repertoire. (2 Lab.)

(Coordinating Board Academic Approval Number 5009075126)

MUSI 1183 Voice Class I (1)

(This is a Texas Common Course Number.)

This course is for non-voice majors. It presents the principles of breathing, voice production, tone control, enunciation, and phrasing in two group lessons a week.

This course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 5009085126)

MUSI 1184 Voice Class II (1)

(This is a Texas Common Course Number.)

This course is a continuation of Music 1183. It is open to all non-voice majors. Emphasis is on solo singing, appearance in studio recital, stage deportment, and personality development. Two group lessons are given a week. This course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 5009085126)

MUSI 1192 Guitar Class I (1)

(This is a Texas Common Course Number.)

An introductory course in acoustic guitar playing based on acoustic and classical guitar technique. Music reading of melodic, harmonic, and rhythmic exercises are learned to gain initial mastery of the fundamental techniques of guitar playing. Introductory elements about the history and culture of the guitar are included in this course. (2 Lab.)

(Coordinating Board Academic Approval Number 5009035126)

MUSI 1193 Guitar Class II (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 1192 or demonstrated competence approved by the instructor. This course is a continuation of Music 1192. Emphasis is on classical guitar techniques and music reading skills. (2 Lab.)

(Coordinating Board Academic Approval Number 5009035126)

MUSI 1263 Jazz Improvisation (2)

(This is a Texas Common Course Number.)

The art of improvisation is introduced. Basic materials, aural training, analysis, and common styles are presented. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 5009036526)

MUSI 1300 Foundations of Music I (3)

(This is a Texas Common Course Number.)

This course is the initial course to prepare students with limited music training for Music 1311. It focuses on notation (music reading), musical terminology, analysis, listening to and creating rhythmic and melodic responses. (3 Lec.)

(Coordinating Board Academic Approval Number 5009045426)

MUSI 1304 Foundations of Music II (3)

(This is a Texas Common Course Number.)

Prerequisite: Music 1300 or demonstrated competence approved by the instructor. This course prepares students with limited music training for Music 1311 and increases their general music understanding. Emphasis is on rhythmic and melodic training, chord functions, melody, textures, and basic analysis of music. (3 Lec.)

(Coordinating Board Academic Approval Number 5009045426)

MUSI 1306 Music Appreciation (3)

(This is a Texas Common Course Number.)

The basic elements of music are surveyed and examined in the music literature of western civilization, particularly from the Baroque Period to the present. Cultural influences on the music of each era are observed. (3 Lec.)

(Coordinating Board Academic Approval Number 5009025126)

MUSI 1311 Music Theory I (3)

(This is a Texas Common Course Number.)

Prerequisite: Music 1300 and 1304 or demonstrated competence approved by the instructor. This course is designed for music majors and minors. Emphasis is on notation, cadences, classification of diatonic triads, scales, and modes. It is recommended that students enrolled in Music 1116 enroll in this course. (3 Lec.)

(Coordinating Board Academic Approval Number 5009045126)

MUSI 1312 Music Theory II (3)

(This is a Texas Common Course Number.)

Prerequisite: Music 1311 or demonstrated competence approved by the instructor. This course focuses on part-writing and harmonization with triads and their inversions. Also included is a chord vocabulary expanded to include materials from the common practice period as well as contemporary periods. It is recommended that students enrolled in Music 1117 enroll in this course. (3 Lec.)
(Coordinating Board Academic Approval Number 5009045126)

MUSI 2116 Musicianship III (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 1116 and 1117 or demonstrated competence approved by the instructor. Keyboard and aural skills (including sight-singing and ear training) are developed. It is recommended that students enrolled in Music 2311 enroll in this course. (3 Lab.)
(Coordinating Board Academic Approval Number 5009045726)

MUSI 2117 Musicianship IV (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 2116 or demonstrated competence approved by the instructor. This course is a continuation of Music 2116. It is recommended that students enrolled in Music 2312 enroll in this course. (3 Lab.)
(Coordinating Board Academic Approval Number 5009045726)

MUSI 2181 Piano Class III (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 1181 and 1182 or demonstrated competence approved by the instructor. This course is a continuation of functional keyboard skills, including harmonization, sight-reading, accompanying styles, improvisation, and technical exercises. It is designed for the music major preparing for the piano proficiency exam, but is also open to any interested student. It is recommended that music majors also study privately. (2 Lab.)
(Coordinating Board Academic Approval Number 5009075126)

MUSI 2182 Piano Class IV (1)

(This is a Texas Common Course Number.)

Prerequisite: Music 2181 or demonstrated competence of the instructor. This course is a continuation of functional keyboard skills in Music 2181 with greater emphasis on advanced harmonization and appropriate technical skills. It is designed as a preparation for the piano proficiency exam for the music major, but is also open to any interested student. It is recommended that music majors also study privately. (2 Lab.)
(Coordinating Board Academic Approval Number 5009075126)

MUSI 2311 Music Theory III (3)

(This is a Texas Common Course Number.)

Prerequisite: Music 1311 and 1312 or demonstrated competence approved by the instructor. This course is a continuation of the study of music theory. It includes the materials of modulation, larger forms, and thematic development, and more advanced analysis. It is recommended that students enrolled in Music 2116 enroll in this course. (3 Lec.)
(Coordinating Board Academic Approval Number 5009045226)

MUSI 2312 Music Theory IV (3)

(This is a Texas Common Course Number.)

Prerequisite: Music 2311 or demonstrated competence approved by the instructor. This course is a continuation of the topics developed in Music 2311. The preceding materials are expanded to include melody, harmony, tonality, and the formal processes of 20th century music. It is recommended that students enrolled in Music 2117 enroll in this course. (3 Lec.)
(Coordinating Board Academic Approval Number 5009045226)

NDTE 2411 Preparation for Welding Inspection (4)

(This is a WECM course number.)

Preparation for students for certification as welding inspectors, including accepted testing requirements and procedures, measurement systems, duties and responsibilities of inspectors, destructive and nondestructive testing, quality assurance/quality control, welding codes and blueprints, procedures, and case studies. An overview of welding tools and equipment, metallurgy, chemistry, and joint design will be explored. (3 Lec., 4 Lab.)

PHED 1100 Beginning Lifetime Sports Activities (1)

(This is a Texas Common Course Number.)

Beginning level skills in various lifetime sports are presented as well as rules, etiquette, safety, strategy, offensive and defensive elements, conditioning activities and physical assessments where appropriate. Physical. (3 Lab.)
(Coordinating Board Academic Approval Number 3601085123)

PHED 1102 Beginning Soccer (1)

(This is a Texas Common Course Number.)

Course content emphasizes the basic playing skills of both indoor and outdoor soccer at the beginner level, as well as rules, strategies, safety, offensive and defensive patterns of play, and competitive activities. (3 Lab.)
(Coordinating Board Academic Approval Number 3601085123)

PHED 1109 Beginning Golf (1)

(This is a Texas Common Course Number.)

Course content emphasizes the basic skills involved in club selection, golf course analysis, shot selection and execution of the golf swing. Rules, scoring, handicapping, and etiquette are included. (3 Lab.)
(Coordinating Board Academic Approval Number 3601085123)

PHED 1110 Beginning Tennis (1)

(This is a Texas Common Course Number.)

This course emphasizes the acquisition of beginning level skills in the execution of forehand strokes, backhand strokes, the serve, and the volley. Rules, strategies of the singles and doubles games, etiquette, safety, and competitive activities are included. Equipment is furnished. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1111 Beginning Bowling (1)

(This is a Texas Common Course Number.)

Basic bowling skills at the beginner level as well as rules, strategies, safety, scoring and competitive activities are emphasized. All classes are conducted at an off-campus bowling lane. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1114 Beginning Swimming (1)

(This is a Texas Common Course Number.)

This course is designed to teach a non-swimmer or a shallow water swimmer to become a safe and efficient deep-water swimmer. After the development of sufficient skills to perform a modified crawl stroke, the elementary back stroke, survival floating, jumping into deep water, leveling off and changing directions, swimmers will be able to swim in deep water. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1116 Conditioning Exercise (1)

(This is a Texas Common Course Number.)

This course focuses on understanding exercise and its effect on the body. Cardiovascular endurance, muscular strength, endurance and flexibility are improved through a variety of conditioning activities. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1119 Beginning Weight Training (1)

(This is a Texas Common Course Number.)

Instruction in weight training and conditioning techniques are stressed. Emphasis is placed on muscular strength and endurance. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1121 Beginning Jogging (1)

(This is a Texas Common Course Number.)

Development and improvement of physical fitness through jogging is emphasized. Fitness concepts and jogging skills will be introduced. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1123 Beginning Walking for Fitness (1)

(This is a Texas Common Course Number.)

This course is designed for the student who desires cardiovascular fitness by means of a low impact method. Maximum physical fitness is achieved by vigorous walking. The heart rate is elevated to the appropriate target zone for peak conditioning. An extensive warm-up and cool down increases joint and muscle flexibility. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1124 Beginning Aerobics (1)

(This is a Texas Common Course Number.)

This course emphasizes the development of cardiovascular endurance by utilizing choreographed routines which may combine basic dance patterns with walking, jogging, jumping, etc. Individual fitness levels are accommodated by the intensity of the workout. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1125 Aquatic Fitness (1)

(This is a Texas Common Course Number.)

This course is designed to promote fitness through the use of water-related activities compatible with a pool environment. Emphasis is placed on water resistant exercises, lap swimming utilizing various kicks and strokes, relays, and a variety of aquatic games. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1130 Intermediate Lifetime Sports Activities (1)

(This is a Texas Common Course Number.)

Intermediate and intermediate/advanced skills in a variety of lifetime sports are presented. Students participate in a selected sport. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1131 Intermediate Soccer (1)

(This is a Texas Common Course Number.)

Basic skills and techniques are refined beyond the beginner level. Analysis and practice of strategies, safety, offensive and defensive patterns of play and competitive activities are covered. Course emphasis is placed on the development and preparation for participation on an intercollegiate team. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1134 Intermediate Physical Fitness (1)

(This is a Texas Common Course Number.)

Basic skills and techniques of fitness-related activities are developed beyond the beginner level. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1136 Intermediate Golf (1)

(This is a Texas Common Course Number.)

Basic skills and techniques are refined beyond the beginner level. Analysis and practice of the golf swing, swing theory and methods, strategy, and actual golf course playing are emphasized. Equipment is furnished. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1137 Intermediate Tennis (1)

(This is a Texas Common Course Number.)

Emphasis is placed on refinement of basic skills and specialty shots. Competitive activities in singles, doubles and mixed doubles will be included. Equipment is furnished. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1140 Intermediate Swimming (1)

(This is a Texas Common Course Number.)

The correct performance of the crawl, elementary back stroke, side and breast strokes will be emphasized. Some speed and endurance swimming will be required. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1141 Intermediate Weight Training (1)

(This is a Texas Common Course Number.)

Skills and instruction in weight training techniques are developed beyond the beginner level. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1143 Intermediate Jogging (1)

(This is a Texas Common Course Number.)

Improvement of physical fitness through jogging is developed beyond the beginner stage. A higher level of fitness is expected. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1144 Intermediate Walking for Fitness (1)

(This is a Texas Common Course Number.)

Students participate in a low impact exercise walking program beyond the beginning level. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1145 Intermediate Aerobics (1)

(This is a Texas Common Course Number.)

This course emphasizes the development of cardiovascular endurance through a combination of walking, jogging, jumping, etc. Individual fitness levels are developed beyond the beginner level. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1146 Intermediate Basketball (1)

(This is a Texas Common Course Number.)

Basic skills and techniques are refined beyond the beginner level. Analysis and practice of shooting, passing, dribbling, team play, strategies, and competitive play covered. Course emphasis is placed on the development and preparation for participation on an intercollegiate team. Equipment is furnished. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1147 Intermediate Volleyball (1)

(This is a Texas Common Course Number.)

Basic skills and techniques are refined beyond the beginner level. Analysis and practice of the forearm pass, setting, spiking, serving, team play, strategies, and competitive play are covered. Course emphasis is placed on the development and preparation for participation on an intercollegiate team. Equipment is furnished. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1150 Intermediate Bowling (1)

(This is a Texas Common Course Number.)

This course is designed for students seeking improvement in the lifetime sport of bowling. The course covers a review of history, etiquette, care and selection of equipment, rules and scoring. Additional information will be provided on handicapping, league play, variation of grips, spot bowling

and alley textures. (3 Lab.)

(Coordinating Board Academic Approval Number 3601085123)

PHED 1164 Beginning Physical Fitness (1)

(This is a Texas Common Course Number.)

Students are introduced to wellness related concepts and activities for the purpose of gaining knowledge and skills necessary to evaluate personal fitness level and to develop a personal lifelong fitness program. Activities include, but are not limited to: aerobics, circuit training, muscular development, flexibility, agility exercises, weight training and body composition. (3 Lab.)

(Coordinating Board Academic Approval Number 3105015223)

PHED 1251 Scuba Diving (2)

(This is a Texas Common Course Number.)

This course includes instruction in the proper use of equipment, safety, physiology and open water diving. Students completing course requirements receive certification through one of several major accredited associations. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 3601085323)

PHED 1252 Advanced Open Water Scuba (2)

(This is a Texas Common Course Number.)

Prerequisite: Physical Education 1251 or appropriate certifying agency entry level certificate. Instruction will include the introductory knowledge and skill development in the open water environment for the student to participate in underwater investigation, deep diving, search and light salvage, and limited visibility/night diving. Safety, special equipment, dive planning and dive buddy procedures will be covered. Upon successful completion of the course, the student will receive advanced open water certification through a qualified certifying agency. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 3601085323)

PHED 1270 Divemaster (2)

(This is a Unique Need Course.)

Prerequisite: Physical Education 1252 or advanced certification from any of the national certifying organizations. This course is designed for the advanced diver who seeks additional training as an instructional assistant responsible for the organization, teaching and safety of scuba divers. Students who successfully complete this course will receive divemaster certification. (1 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 3601089323)

PHED 1301 Introduction to Physical Education (3)

(This is a Texas Common Course Number.)

This course is for students majoring in physical education and is designed for professional orientation in physical education, health, and recreation. The history, philosophy, and modern trends of physical education are surveyed. Topics include teacher qualifications, vocational opportunities, expected competencies, and skill testing. This course does not satisfy the physical education activity course requirement. (3 Lec.)

(Coordinating Board Academic Approval Number 3105015223)

PHED 1304 Health for Today (3)

(This is a Texas Common Course Number.)

Emphasis is placed on relating course content to lifestyle to foster a better understanding of the major health issues of today. Current issues include, but are not limited to: emotional health, chemical use and abuse, human sexuality, major diseases, physical fitness, nutrition, aging, death and dying. This course does not satisfy the physical education activity course requirement. (3 Lec.)

(Coordinating Board Academic Approval Number 5115045116)

PHIL 1301 Introduction to Philosophy (3)

(This is a Texas Common Course Number.)

An introduction to the ideas about such things as the good life, reality, God, the acquisition and characteristics of knowledge, and the nature of humans. Students will evaluate both ancient and modern theories about these issues in terms of their logic, historical significance, and meaning in everyday life, as they practice the methods for doing philosophy. (3 Lec.)

(Coordinating Board Academic Approval Number 3801015112)

PHIL 1313 Critical Thinking (3)

(This is a Texas Common Course Number.)

This course is designed to improve students' critical thinking ability. Students will both analyze and construct arguments. Elementary deductive forms, common fallacies, and inductive reasoning are considered. (3 Lec.)

(Coordinating Board Academic Approval Number 3801015712)

PHIL 2303 Logic (3)

(This is a Texas Common Course Number.)

The critical and correct construction and analysis of arguments using induction, deduction and scientific reasoning. Students will practice analyzing fallacies, definitions, analogies, and uses of language. They will learn to use some of the elementary tools of formal logic, such as Venn diagrams, truth tables, and formal proofs using the rules of inference. (3 Lec.)

(Coordinating Board Academic Approval Number 3801015212)

PHIL 2306 Ethics (3)

(This is a Texas Common Course Number.)

Consideration of what constitutes a good and a moral life. Using classical and contemporary theories, students will weigh such ingredients as pleasure, duty, power, and love as they apply to current issues of daily living. Students may consider ethical problems in business, law, and medicine. (3 Lec.)

(Coordinating Board Academic Approval Number 3801015312)

PHIL 2316 History of Ancient Philosophy (3)

(This is a Texas Common Course Number.)

The history of philosophy from pre-Socratic times to the Renaissance is examined. Connections are made between the pre-Socratics, Plato, and Aristotle; Stoicism, Epicureanism, and Scholasticism are considered. (3 Lec.)

(Coordinating Board Academic Approval Number 3801015512)

PHIL 2317 History of Modern Philosophy (3)

(This is a Texas Common Course Number.)

The history of philosophy from the Renaissance through the 19th century is examined. Emphasis is on continental rationalism, British empiricism, Kantian metaphysics and epistemology, and the Hegelian system as it relates to 20th century philosophies. The historical relationships among these schools of thought are explored. (3 Lec.)

(Coordinating Board Academic Approval Number 3801015512)

PHIL 2318 Contemporary Philosophy (3)

(This is a Texas Common Course Number.)

As a third course in the history of philosophy sequence, this course examines philosophic movements in the 20th and 21st centuries. Emphasis may vary from semester to semester. Existentialism, logical positivism, linguistic philosophy, among others, as well as individual philosophers, may be considered. (3 Lec.)

(Coordinating Board Academic Approval Number 3801015512)

PHIL 2389 Academic Cooperative in Philosophy (3)

(This is a Texas Common Course Number.)

This course will integrate on-campus study with practical hands-on experience. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of philosophy. (1 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 2401035212)

NOTE: These courses have a Dallas County Community College prefix of "PHOT;" however, some can be identified by a Common Course Number for transfer evaluation purposes. Both are listed in the parenthetical notes in the course descriptions.

PHOT 1316 Introduction to Photography and Photojournalism (3)

(The Texas Common Course Number is COMM 1316.)

Photography and photojournalism are introduced. Topics include the general mechanics of camera lenses and shutters and the general characteristics of photographic films, papers, and chemicals. Darkroom procedures are presented, including enlarging, processing, contact printing, and exposing films and papers. Artificial lighting is introduced. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 0904015506)

PHOT 1317 Advanced Photography and Photojournalism (3)

(The Texas Common Course Number is COMM 1317.)

Prerequisite: Photography 1316 or demonstrated competence approved by the instructor. Techniques learned in Photography 1316 are refined. Emphasis is on photographic communication. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 0904015512)

PHOT 2325 Introduction to Digital Imaging (3)

(The Texas Common Course Number is COMM 2325.)

Prerequisite: Photography 1316 or Art 2356 is recommended for this course. This is a broad-based, introductory course which explores the creation and manipulation of images on the computer. The course content will include an introduction to the computer system, an overview of desktop publishing and graphic programs, use of the digital camera, scanning-in photographs, and exploring techniques of photo-manipulation. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 0907015306)

PHOT 2326 Advanced Digital Imaging (3)

(The Texas Common Course Number is COMM 2326.)

Prerequisite: Photography 2325 is required. In addition, Photography 1316 or Art 2356 is recommended. This course will explore in greater depth the applications covered in the Introduction to Digital Photography (Photography 2325) class. Students will work to master the technical complexities of digital photography and seek to clarify a personal direction through extended projects. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 0907015306)

PHOT 2356 Commercial Photography I (3)

(The Texas Common Course Number is ARTS 2356.)

Prerequisite: Photography 1316 and 1317 or demonstrated competence approved by the instructor. Commercial or contract photography is studied. Field, studio and darkroom experiences for various kinds of photography are discussed. Social, portrait, studio, fashion, publicity, landscape, and product photography, as well as portfolio development, are included. The use of natural and artificial lighting is covered. This course is cross-listed as Arts 2356. The student may register for either Photography 2356 or Arts 2356, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5006055126)

PHOT 2357 Commercial Photography II (3)

(The Texas Common Course Number is ARTS 2357.)

Prerequisite: Photography 1316 and 1317 or demonstrated competence approved by the instructor. This course is a continuation of Photography 2356. Publicity, architectural, interior, and advertising photography are included. The latest equipment, papers, films, and techniques are explored. Exchanges may be made with sample clients, employers, studios, and agencies. This course is cross-listed as Arts 2357. The student may register for either Photography 2357, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

(Coordinating Board Academic Approval Number 5006055226)

PHTC 1349 Photo Digital Imaging I (3)

(This is a WECM Course Number.)

Prerequisite: IMED 1301. Instruction in the computer as an electronic darkroom. Topics include color and gray scale images and image conversion and presentation.

(2 Lec., 4 Lab.)

PHTC 2349 Photo Digital Imaging II (3)

(This is a WECM Course Number.)

Prerequisite: PHTC 1349 or PHOT 2325. Continued skill development in the use of the computer for retouching, copying, photographic restoration, color correction, data importation, composite imaging, and background dropout and replacement. (2 Lec., 4 Lab.)

PHYS 1401 Introductory General Physics (4)

(This is a Texas Common Course Number.)

Prerequisite: Two years of high school algebra, including trigonometry, or the equivalent. This course is for pre-dental, biology, premedical, pre-pharmacy, and pre-architecture majors and other students who need a two-semester technical course in physics. Mechanics and heat are studied. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4008015303)

PHYS 1402 Introductory General Physics (4)

(This is a Texas Common Course Number.)

Prerequisite: Physics 1401. This course is a continuation of Physics 1401. Electricity, magnetism, light, and sound are studied. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4008015303)

PHYS 1405 Concepts in Physics (4)

(This is a Texas Common Course Number.)

This course is for non-science majors. It introduces principles of physics and does not require a mathematical background. Emphasis is on classical mechanics and thermodynamics. Historical developments and their impact on daily life are included. The principle of energy conservation is stressed, and current problems of worldwide energy production are examined.

(3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4008015103)

PHYS 1407 Concepts in Physics (4)

(This is a Texas Common Course Number.)

This is for non-science majors. It introduces principles of physics and does not require a mathematical background. Emphasis is on modern developments in physics. Topics include acoustics, electricity and magnetism, light and the electromagnetic spectrum, atomic physics, and relativity. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4008015103)

PHYS 1411 Fundamentals of Astronomy (4)

(This is a Texas Common Course Number.)

This course concerns fundamental aspects of the solar system and the historical development of astronomical ideas. Included are studies of the celestial sphere and motions of the earth, the moon, planets, and other minor bodies. The origin and evolution of the solar system are also covered. The laboratory includes outdoor viewing sessions and study of celestial motions, elementary navigation, constellation identification, and telescope construction. This course is cross-listed as Physics 1311. The student may register for either Physics 1411 or Physics 1311, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4002015103)

PHYS 1412 General Introductory Astronomy (4)

(This is a Texas Common Course Number.)

This course concerns fundamental properties of stars, stellar systems, star clusters, nebulae, interstellar gas and dust, and galaxies. Included is the study of the sun, Milky Way Galaxy, stellar evolution, black holes, and current cosmological ideas. The laboratory includes outdoor viewing sessions and the study of timekeeping, use of spectra, and motions of stars and galaxies. This course is cross-listed as Physics 1312. The student may register for either Physics 1412 or Physics 1312, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4002015103)

PHYS 1415 Physical Science (4)

(This is a Texas Common Course Number.)

This course is primarily for non-science majors. It is a study of the basic principles and concepts of physics, chemistry, and nuclear science. The three basic sciences are related to the physical world at an introductory level.

(3 Lec., 3 Lab)

(Coordinating Board Academic Approval Number 4001015103)

PHYS 1417 Physical Science (4)

(This is a Texas Common Course Number.)

This course is for non-science majors. It focuses on the interaction of the earth sciences and the physical world. Geology, astronomy, meteorology, and space science are emphasized. Selected principles and concepts are explored. This course is cross-listed as Geology 1401. The student may register for either Physical Science 1417 or Geology 1401, but may receive credit for only one of the two. (3 Lec., 3 Lab)

(Coordinating Board Academic Approval Number 4001015103)

PHYS 2425 General Physics (4)

(This is a Texas Common Course Number.)

Prerequisite: Credit or concurrent enrollment in Mathematics 2513. This course is designed primarily for physics, chemistry, mathematics, and engineering majors. The principles and applications of mechanics, wave motion, and sound are studied. Emphasis is on fundamental concepts, problem-solving, notation, and units. The laboratory includes a one-hour problem session.

(3 Lec., 3 Lab)

(Coordinating Board Academic Approval Number 4008015403)

PHYS 2426 General Physics (4)

(This is a Texas Common Course Number.)

Prerequisite: Physics 2425 and credit or concurrent enrollment in Mathematics 2414. This course presents the principles and applications of heat, electricity, magnetism, and optics. Emphasis is on fundamental concepts, problem-solving, notation and units. The laboratory includes a one-hour problem session. (3 Lec., 3 Lab.)

(Coordinating Board Academic Approval Number 4008015403)

POFI 1100 Introduction to Computer Fundamentals (1)

(This is a WECM Course Number.)

Prerequisite: Keyboarding proficiency.

An introduction to various computer applications using a specific business or office-related software. Projects emphasize the concurrent development of office skills and computer knowledge. This course is cross-listed as POFI 1200. The student may register for either POFI 1100 or POFI 1200, but may receive credit for only one of the two. This course may be repeated for credit. (1 Lec.)

POFI 1200 Introduction to Computer Fundamentals (2)

(This is a WECM Course Number.)

Prerequisite: Keyboarding proficiency.

An introduction to various computer applications using a specific business or office-related software. Projects emphasize the concurrent development of office skills and computer knowledge. This course is cross-listed as POFI 1100. The student may register for either POFI 1200 or POFI 1100, but may receive credit for only one of the two. This course may be repeated for credit. (2 Lec.)

POFI 1301 Computer Applications I (3)

(This is a WECM Course Number.)

Prerequisite: Keyboarding proficiency. Overview of computer applications including current terminology and technology. Introduction to computer hardware, software applications, and procedures. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

POFI 1341 Computer Applications II (3)

(This is a WECM Course Number.)

Continued study of current computer terminology and technology. Advanced skill development in computer hardware, software applications, and procedures. This course is cross-listed as POFI 1441. The student may register for either POFI 1341 or POFI 1441, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

POFI 1345 Integrated Software Applications II (3)

(This is a WECM Course Number.)

Continued study of computer applications from business productivity software suites. Instruction in embedding data and linking and combining documents using word processing, spreadsheets, databases, and/or presentation media software. (2 Lec., 2 Lab.)

POFI 1349 Spreadsheets (3)

(This is a WECM Course Number.)

In-depth coverage in the use of a spreadsheet software application. This course may be repeated if topics and learning outcomes vary. (2 Lec., 3 Lab.)

POFI 1441 Computer Applications II (4)

(This is a WECM Course Number.)

Prerequisite: Computer Applications I or equivalent. Continued study of current computer terminology and technology. Advanced skill development in computer hardware, software applications, and procedures. This course is cross-listed as POFI 1341. The student may register for either POFI 1441 or POFI 1341, but may receive credit for only one of the two. This course may be repeated if topics and learning outcomes vary.

(3 Lec., 2 Lab.)

POFI 2301 Word Processing (3)

(This is a WECM Course Number.)

Prerequisite: Keyboarding proficiency. In-depth coverage of word processing software application. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 2 Lab.)

POFI 2331 Desktop Publishing for the Office (3)

(This is a WECM Course Number.)

Prerequisite: Keyboarding proficiency.

In-depth coverage of desktop publishing terminology, text editing, and use of design principles to create publishing material using word processing desktop publishing features. Emphasis on layout techniques, graphics, and multiple page displays. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 2 Lab.)

POFI 2340 Advanced Word Processing (3)

(This is a WECM course number.)

Prerequisite: POFI 2301 or instructor consent. Continuation of the study of word processing including advanced applications in merging, macros, graphics, desktop publishing, and extensive formatting for technical documents. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

POFM 2313 Medical Transcription II (3)

(This is a WECM Course Number.)

Prerequisite: MRMT 1307 Medical Transcription Fundamentals. Skill development in the production of medical reports including history and physicals, consultations, discharge summaries, operative reports, and other medical reports. Emphasis on speed and accuracy. (2 Lec., 2 Lab.)

POFT 1127 Introduction to Keyboarding (1)

(This is a WECM Course Number.)

Skill development in keyboarding with emphasis on alphabet, number, and symbol keys by touch. (3 Lab.)

POFT 1207 Proofreading and Editing (2)

(This is a WECM Course Number.)

Instruction in proofreading and editing skills necessary to assure accuracy in business documents. (1 Lec., 2 Lab.)

OFT 1293 Special Topics in General Office/Clerical and Typing Services (2)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation which are relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary.

(1 Lec., 2 Lab.)

POFT 1309 Administrative Office Procedures I (3)

(This is a WECM Course Number.)

Prerequisite: Basic keyboarding skills. Study of current office procedures, duties, and responsibilities applicable to an office environment. (2 Lec., 2 Lab.)

POFT 1313 Professional Development for Office Personnel (3)

(This is a WECM Course Number.)

Preparation for the work force including business ethics, interpersonal relations, professional attire, and career advancement. (2 Lec., 2 Lab.)

POFT 1319 Records and Information Management I (3)

(This is a WECM Course Number.)

Introduction to basic records and information management. Includes the life cycle of a record, manual and electronic records management, and basic filing procedures and rules. (2 Lec., 2 Lab.)

POFT 1321 Business Math (3)

(This is a WECM Course Number.)

Instruction in the fundamentals of business mathematics including analytical and problem-solving skills for critical thinking in business applications. (3 Lec.)

POFT 1325 Business Math and Machine Applications (3)

(This is a WECM Course Number.)

Skill development in the use of electronic calculators and business math functions. Emphasis on business problem-solving skills using spreadsheet software and/or electronic calculation/keyboard. (2 Lec., 2 Lab.)

POFT 1328 Business and Professional Presentations (3)

(This is a WECM Course Number.)

Prerequisite: Keyboarding proficiency.

Skill development in planning and conducting business presentations on an individual and/or group basis including communication and media skills. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 2 Lab.)

POFT 1329 Keyboarding and Document Formatting (3)

(This is a WECM Course Number.)

Skill development in the operation of the keyboard by touch applying proper keyboarding techniques. Emphasis on development of acceptable speed and accuracy levels and formatting basic documents. (2 Lec., 2 Lab.)

POFT 1349 Administrative Office Procedures II (3)

(This is a WECM Course Number.)

In-depth coverage of office application with special emphasis on decision making, goal setting, management theories, and critical thinking. (2 Lec., 2 Lab.)

POFT 1380 Cooperative Education-Administrative Assistant/Secretarial Science, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 20 Ext.)

POFT 1381 Cooperative Education-Administrative Assistant/Secretarial Science, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 20 Ext.)

POFT 1382 Cooperative Education-General Office/Clerical and Typing Services (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 15 Ext.)

POFT 1383 Cooperative Education-General Office/Clerical and Typing Services (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 20 Ext.)

POFT 1392 Special Topics in Administrative Assistant/Secretarial Science, General (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation which are relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary.

(2 Lec., 2 Lab.)

POFT 1393 Special Topics in General Office/Clerical and Typing Services (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 2 Lab.)

POFT 1493 Special Topics in General Office/Clerical and Typing Services (4)

(This is a WECM Course Number.)

Topics address recently identified current event, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 4 Lab.)

POFT 2203 Speed and Accuracy Building (2)

(This is a WECM Course Number.)

Review, correct, improve, and/or perfect touch keyboarding techniques for the purpose of increasing speed and improving accuracy. (1 Lec., 2 Lab.)

POFT 2301 Document Formatting and Skillbuilding (3)

(This is a WECM Course Number.)

Prerequisite: Keyboarding and Document Formatting. A continuation of keyboarding skills in document formatting, emphasizing speed, and accuracy. Emphasis on proofreading, editing, and following instructions, and keying documents from various copy. (2 Lec., 2 Lab.)

POFT 2312 Business Correspondence and Communication (3)

(This is a WECM Course Number.)

Prerequisite: Basic keyboarding skills. Development of writing skills to produce effective business documents. (2 Lec., 2 Lab.)

POFT 2331 Administrative Systems (3)

(This is a WECM Course Number.)

Advanced concepts of project management and office procedures utilizing integration of previously learned office skills. (2 Lec., 2 Lab.)

POFT 2380 Cooperative Education-Administrative Assistant/Secretarial Science, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 20 Ext.)

POFT 2381 Cooperative Education-Administrative Assistant/Secretarial Science, General (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 20 Ext.) (1 Lec., 20 Ext.)

POFT 2382 Cooperative Education-General Office/Clerical and Typing Services (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 15 Ext.)

POFT 2383 Cooperative Education-General Office/Clerical and Typing Services (3)

(This is a WECM Course Number.)

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

(1 Lec., 20 Ext.)

POFT 2388 Internship-General Office/Clerical and Typing Services (3)

(This is a WECM Course Number.)

A work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. A learning plan is developed by the college and the employer. (1 Lec., 15 Ext.)

PSYC 2301 Introduction to Psychology (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. Introduction to Psychology surveys major topics in the study of behavior. Factors which determine and affect behavior are examined. Psychological principles are applied to the human experience. (3 Lec.)

(Coordinating Board Academic Approval Number 4201015125)

PSYC 2302 Applied Psychology (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. Psychological facts and principles are applied to problems and activities of life and will be used to examine basic aspects of human relationships in society. This course will involve the direct application of psychological principles to human relations problems in such areas as business, health occupations, social service agencies, and interpersonal relationships. (3 Lec.)

(Coordinating Board Academic Approval Number 4201015225)

PSYC 2306 Human Sexuality (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading. Topics include physiological, psychological, and sociological aspects of human sexuality. This course is cross-listed as Sociology 2306. The student may register for either Psychology 2306 or Sociology 2306, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 4201015325)

PSYC 2314 Developmental Psychology (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading and Psychology 2301 recommended. This course is a study of human growth, development, and behavior. Emphasis is on psychological changes during life. Processes of life from prenatal beginnings through adulthood and aging are included. (3 Lec.)

(Coordinating Board Academic Approval Number 4207015125)

PSYC 2372 Communication and Negotiation Skills for Conflict Resolution (3)

(This is a Unique Need Course.)

This course teaches how to recognize negative communication styles and the technique necessary to break impasses, and create options or agreement; skills include how to build an atmosphere that fosters negotiation and how to mediate "win-win" solutions. This course is cross-listed as Sociology 2372. The student may register for either Psychology 2372 or Sociology 2372, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 4511019225)

PYSC 2373 Introduction to Mediation (3)

(This is a Unique Need Course.)

This course defines the process of mediation, its history and development, and examines theories of conflict resolution and negotiation. Explores the use of mediation in domestic, commercial, educational, and other settings. Within each of these contexts, laws, ethics, gender considerations, psychology, sociology, and cultural diversity will be explored. This course is cross-listed as Sociology 2373. The student may register for either Psychology 2373 or Sociology 2373, but may receive credit for only one of the two. (3 Lec.)

(Coordinating Board Academic Approval Number 4511019125)

QCTC 1343 Quality Assurance (3)

(This is a WECM Course Number.)

Prerequisite: Credit or concurrent enrollment in MATH 1414 or the equivalent. Information on quality assurance principles and applications; designed to introduce the student to the quality assurance profession. (3 Lec.)

RBTC 2445 Robot Application, Set-Up and Testing (4)

(This is a WECM Course Number.)

This is a capstone course that provides the student with laboratory experience in the installation, set-up, and testing of robotic cells. Topics include maintenance. The student will demonstrate familiarity with hardwiring and interfacing PLCs, robots, CNC equipment, and support equipment; troubleshoot and debug equipment to make it function in a live automated environment; and apply design techniques to maintain maximum cycle times on an automated system. (3 Lec., 3 Lab.)

SCIT 1307 Human Anatomy and Physiology I Technology I (3)

(This is a WECM Course Number.)

In-depth coverage of the structure and function of the human body. Topics include cell structure and function; tissues; body organization; and the integumentary, skeletal, muscular, nervous, and endocrine systems. Emphasis on homeostasis. This course is cross-listed as SCIT 1407. The student may register for either SCIT 1307 or SCIT 1407, but may receive credit for only one of the two. (2 Lec., 4 Lab.)

SCIT 1407 Human Anatomy and Physiology I Technology I (3)

(This is a WECM Course Number.)

In-depth coverage of the structure and function of the human body. Topics include cell structure and function; tissues; body organization; and the integumentary, skeletal, muscular, nervous, and endocrine systems. Emphasis on homeostasis. This course is cross-listed as SCIT 1307. The student may register for either SCIT 1407 or SCIT 1307, but may receive credit for only one of the two. (3 Lec., 3 Lab.)

SCIT 1408 Human Anatomy and Physiology I Technology I (3)

(This is a WECM Course Number.)

Prerequisite: SCIT 1407, Human Anatomy and Physiology I. A continuation of Human Anatomy and Physiology I with in-depth coverage of the structure and function of the human body. Topics include the digestive, respiratory, cardiovascular, lymphatic, immune, excretory, and reproductive systems. Emphasis is on homeostasis. (3 Lec., 3 Lab.)

SMFT 1343 Semiconductor Manufacturing Technology I (3)

(This is a WECM Course Number.)

A study of the processes, materials, and equipment used in the manufacturing of semiconductors, including an overview of the semiconductor industry, related terminology, and standard safety practice. (2 Lec., 2 Lab.)

SMFT 2231 RF Power Systems (2)

(This is a WECM Course Number.)

Prerequisite: CETT 1429. This course is a study of RF power systems and their applications in the semiconductor manufacturing industry. Topics include plasma physics, RF power amplifiers and oscillators, transmission lines, impedance matching and safety. The student will describe the applications of RF power systems in the semiconductor industry; describe hazards and required safety precautions in RF power systems; analyze the operation of power RD generators; explain the principles of resonance, filter applications, transmission line characteristics, and impedance matching in RF power systems. (2 Lec.)

SMFT 2343 Semiconductor Manufacturing Technology II (3)

(This is a WECM Course Number.)

Prerequisite: SMFT 1343 and CETT 1429. The continuation of Semiconductor Manufacturing I covering the processes, materials, and equipment used in the manufacturing of semiconductors. Topics address process-yield analysis and process troubleshooting. (2 Lec., 2 Lab.)

SOCI 1301 Introduction to Sociology (3)

(This is a Texas Common Course Number.)

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading and Writing. This course is a sociological study of social behavior processes and structures, emphasizing diversity and commonality among human beings. Topics are examined through several sociological perspectives, encouraging critical thinking and personal responsibility about social issues. (3 Lec.)

(Coordinating Board Academic Approval Number 4511015125)

SOCI 1306 Contemporary Social Issues (3)

(This is a Texas Common Course Number.)

This course is a sociological study of social issues which typically include criminal behavior, social justice, poverty, social stratification, demographic shifts, health care, public policy, civil rights and social activism. Specific topics may vary from semester to semester to address contemporary social concerns. (3 Lec.)

(Coordinating Board Academic Approval Number 4511015225)

SOCI 2306 Human Sexuality (3)

(This is a Texas Common Course Number.)

Topics include physiological, psychological, and sociological aspects of human sexuality. This course is cross-listed as Psychology 2306. The student may register for either Sociology 2306 or Psychology 2306, but may receive credit for only one of the two. This course may be repeated for credit. (3 Lec.)

(Coordinating Board Academic Approval Number 4201015325)

SPAN 1100 Spanish Conversation (1)

(This is a Texas Common Course Number.)

Prerequisite: Spanish 1411 or Spanish 1412. This course is a further exploration of the Spanish language through creative problem-solving while utilizing the basic elements of the Spanish language. The course may be repeated for credit. (2 Lab.)

(Coordinating Board Academic Approval Number 1609055413)

SPAN 1411 Beginning Spanish (4)

(This is a Texas Common Course Number.)

This course is an introductory course intended for students with little or no knowledge of the language. Its aim is to present essential vocabulary and grammar, and to develop the pronunciation, listening, reading, and writing skills necessary for basic communication and comprehension. Customs and cultural insights are also presented. This course is cross-listed as Spanish 1311. The student may register for either Spanish 1411 or Spanish 1311, but may receive credit for only one of the two. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 1609055113)

SPAN 1412 Beginning Spanish (4)

(This is a Texas Common Course Number.)

Prerequisite: Spanish 1411 or the equivalent or demonstrated competence approved by the instructor This course continues the oral practice, reading, writing, grammar and cultural studies begun in Spanish 1411. Students are expected to acquire a substantial amount of vocabulary and begin to deal with idiomatic language and more advanced syntax. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number 1609055113)

SPAN 2306 Spanish Conversation (3)

(This is a Texas Common Course Number.)

Prerequisite: Spanish 1411 and 1412 or the equivalent or demonstrated competence approved by the instructor. This course is designed to strengthen and improve oral skills in the language. Oral activities focus on current events, cultural, historical and social issues. Audio-visual media are used to explore Hispanic life and society. This course is intended to complement Spanish 2311. Topics vary from semester to semester. This course may be repeated for credit. (3 Lec.)

(Coordinating Board Academic Approval Number 1609055413)

SPAN 2311 Intermediate Spanish (3)

(This is a Texas Common Course Number.)

Prerequisite: Spanish 1412 or the equivalent or demonstrated competence approved by the instructor This course is designed to further develop students' overall language proficiency and cultural knowledge through advanced reading, listening, speaking and writing exercises. Grammatical concepts are reviewed and expanded. (3 Lec.)

(Coordinating Board Academic Approval Number 1609055213)

SPAN 2312 Intermediate Spanish (3)

(This is a Texas Common Course Number.)

Prerequisite: Spanish 2311 or the equivalent or demonstrated competence approved by the instructor This course is a continuation of Spanish 2311. The stress is on reading, composition, grammatical complexities, and intense oral practice, with continued studies of the culture. (3 Lec.)

(Coordinating Board Academic Approval Number 1609055213)

SPCH 1311 Introduction to Speech Communication (3)

(This is a Texas Common Course Number.)

Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards. Theory and practice of speech communication behavior in one-to-one, small group, and public communication situations are introduced. Students learn more about themselves, improve skills in communicating with others, and prepare and deliver formal public speeches. (3 Lec.)

(Coordinating Board Academic Approval Number 2310015112)

SPCH 1315 Fundamentals of Public Speaking (3)

(This is a Texas Common Course Number.)

Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met Texas Success Initiative (TSI) Reading and Writing standards. An introductory course to develop the student's skills, knowledge, and understanding of the public speaking process. Topics include the principles of reasoning, audience analysis, collection of materials, outlining, and delivery. Emphasis is on the oral presentation of well-prepared speeches, using computer technology when appropriate. (3 Lec.)

(Coordinating Board Academic Approval Number 2310015312)

SPCH 1318 Interpersonal Communication (3)

(This is a Texas Common Course Number.)

This course presents theories and exercises in verbal and nonverbal communication with focus on interpersonal relationships. (3 Lec.)

(Coordinating Board Academic Approval Number 2310015412)

SPCH 1321 Business and Professional Communication (3)

(This is a Texas Common Course Number.)

Theories and skills of speech communication as applied to business and professional situations will be studied. (3 Lec.)

(Coordinating Board Academic Approval Number 2310015212)

SRVY 1301 Introduction to Surveying (3)

(This is a WECM Course Number.)

An overview of the surveying profession. The history of surveying and its impact on the world. Review of the mathematics used in surveying. Introduction to basic surveying equipment with emphasis on measurements. Instruction on surveying procedures and the limitation of errors. Calculation to determine precision and error of closure. (2 Lec., 3 Lab.)

SRVY 1309 Surveying Measurement Practice (3)

(This is a WECM Course Number.)

An introductory lab course covering the equipment and hardware of the profession necessary to measure horizontal and vertical distances, in accordance with prevailing and applicable professional standards, e.g. standards of the National Geodetic Survey, state and local statutes and regulations, professional standards, such as the Texas Society of Professional Surveyors. (2 Lec., 3 Lab.)

SRVY 1313 Plane Surveying (3)

(This is a WECM Course Number.)

An introductory overview of surveying equipment and measurement techniques used in mapping. Emphasis on leveling and traversing for preparing a map. Lab required. (2 Lec., 3 Lab.)

SRVY 1315 Surveying Calculations I (3)

(This is a WECM Course Number.)

An introduction to the mathematics used in surveying and mapping, e.g., algebra, plane trigonometry, and plane, solid, and analytical geometry. (3 Lec.)

SRVY 1419 Introduction to Geographic Information Systems (4)

(This is a WECM Course Number.)

A study of the theory of geographic information systems, including conceptual understanding and database development, terms, definitions, classifications, use and client requirements, and prevailing and applicable professional standards. Projects and procedures to establish maps based upon geographic information systems. (3 Lec., 3, Lab.)

SRVY 1491 Special Topics in Surveying (4)

(This is a WECM Course Number.)

Prerequisite: SRVY 1419. Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec., 3, Lab.)

SRVY 2305 Geographic Information Systems Applications (3)

(This is a WECM Course Number.)

A hands-on course with computer applications providing additional conceptual understanding of geographic information systems and practical applications using a variety of Geographic Information System software. (2 Lec., 4 Lab.)

SWAH 1470 Beginning Swahili I (4)

(This is a Unique Need Course.)

This course is an introductory course intended for students with little or no knowledge in the language. Its aim is to present essential vocabulary and grammar, and to develop the pronunciation, listening, reading, and writing skills necessary for basic communication and comprehension. Customs and cultural insights are also presented. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number is to be assigned.)

SWAH 1471 Beginning Swahili II(4)

(This is a Unique Need Course.)

Prerequisite: Swahili 1470 or the equivalent or demonstrated competence approved by the instructor. This course continues the oral practice, reading, writing, grammar and cultural studies begun in Swahili 1470. Students are expected to acquire a substantial amount of vocabulary and begin to deal with idiomatic language and more advanced syntax. (3 Lec., 2 Lab.)

(Coordinating Board Academic Approval Number is to be assigned.)

TECA 1303 Family and the Community (3)

(This is an academic transfer credit course number.)

A study of the relationship between the child, the family, the community, and early childhood educators, including a study of parent education, family and community lifestyles, child abuse, and current issues. (3 Lec.)

(Coordinating Board Academic Approval Number 1907015109)

TECA 1311 Introduction to Early Childhood Education (3)

(This is an academic transfer credit course number.)

An introduction to the profession of early childhood education, focusing on developmentally appropriate practices, types of programs, historical perspectives, ethics, and current issues. If you enroll in this academic transfer credit course, you may also be required to enroll in course CDEC 1174. (3 Lec.)

(Coordinating Board Academic Approval Number 1907085109)

TECA 1318 Nutrition, Health and Safety (3)

(This is an academic transfer credit course number.)

A study of nutrition, health, and safety, including community health, universal health precautions, and legal implications. Practical applications of these principles in a variety of settings. (3 Lec.)

(Coordinating Board Academic Approval Number 1907085209)

TECA 1354 Child Growth and Development (3)

(This is an academic transfer credit course number.)

A study of the principles of normal child growth and development from conception to adolescence. Focus on physical, cognitive, social, and emotional domains of development. (3 Lec.)

(Coordinating Board Academic Approval Number 1907065209)

TECM 1303 Technical Mathematics (3)

(This is a WECM Course Number.)

A review of mathematical functions including fractions, decimals, proportions, perimeters, areas, volumes of geometric figures, and certain algebraic/trigonometric functions, as required by specific businesses and industries for successful on-the-job performance. (3 Lec.)

TECM 1317 Technical Trigonometry (3)

(This is a WECM Course Number.)

Prerequisite: TECM 1341. Study of triangular measurement and calculation in technical applications. Presentation of trigonometry ratio, solution of right triangles, oblique triangles, and vector analysis as used in industrial applications. (3 Lec.)

TECM 1341 Technical Algebra (3)

(This is a WECM Course Number.)

Prerequisite: One year of high school algebra and an appropriate assessment test score or Developmental Mathematics 0097 or Developmental Mathematics 0091 or equivalent. Application of algebra to technical occupations. Topics include principles of linear equations, simultaneous equations, and manipulation of powers and roots. Emphasis on stated word problems relevant to technical and vocation occupations. (3 Lec.)

TECM 1349 Technical Math Applications (3)

(This is a WECM Course Number.)

Prerequisite: TECM 1317. Fundamentals of trigonometry and geometry as used in a variety of technical settings. Topics include the use of plane and solid geometry to solve areas and volumes encountered in industry. (3 Lec.)

TECM 1391 Special Topics in Applied Mathematics, General (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (3 Lec.)

WLDG 1191 Special Topics in Welder/Welding Technologist (1)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (1 Lec., 1 Lab.)

WLDG 1217 Introduction to Layout and Fabrication (2)

(This is a WECM Course Number.)

A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction. Lab required. (1 Lec., 4 Lab.)

WLDG 1225 Introduction to Oxy-Fuel Welding and Cutting (2)

(This is a WECM Course Number.)

An introduction to oxy-fuel welding and cutting, including history and future in welding, safety, setup and maintenance of oxy-fuel welding, and cutting equipment and supplies. (1 Lec., 3 Lab.)

WLDG 1230 Introduction to Gas Metal Arc (MIG) Welding (2)

(This is a WECM Course Number.)

A study of the principles of gas metal arc welding, setup and use of GMAW equipment, and safe use of tools/equipment. Instruction in various joint designs. This course is cross-listed as WLDG 1430. The student may register for either WLDG 1230 or WLDG 1430, but may receive credit for only one of the two. (1 Lec., 3 Lab.)

WLDG 1234 Introduction to Gas Tungsten Arc (TIG) Welding (2)

(This is a WECM Course Number.)

An introduction to the principles of gas tungsten arc welding (GTAW), setup/use of GTAW equipment, and safe use of tools and equipment. Welding instruction in various positions on joint designs. This course is cross-listed as WLDG 1434. The student may register for either WLDG 1234 or WLDG 1434, but may receive credit for only one of the two. (1 Lec., 3 Lab./1 Lec., 4 Lab.)

WLDG 1257 Intermediate Shielded Metal Arc (SMAW) Welding (2)

(This is a WECM Course Number.)

A study of the production of various fillets and groove welds. Preparation of specimens for testing in all test positions. Lab required. This course is cross-listed as WLDG 1457. The student may register for either WLDG 1257 or WLDG 1457, but may receive credit for only one of the two. (1 Lec., 4 Lab.)

WLDG 1273 Introduction to Layout and Fabrication (2)

(This is a WECM Local Need Course.)

A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction. (1 Lec., 3 Lab.)

WLDG 1274 Intermediate Layout and Fabrication (2)

(This is a WECM Local Need Course.)

A continuation of the introductory Layout and Fabrication course which covers design and production of shop layout and fabrication. Emphasis placed on symbols, blueprints, and written specifications. (1 Lec., 3 Lab.)

WLDG 1291 Special Topics in Welder/Welding Technologist (2)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary.

(1 Lec., 3 Lab.) (1 Lec., 2 Lab.)

WLDG 1313 Introduction to Blueprint Reading for Welders (3)

(This is a WECM Course Number.)

A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes, including systems of measurement and industry standards. Interpretation of plans and drawings used by industry. (2 Lec., 4 Lab.) (3 Lec., 1 Lab.)

WLDG 1323 Welding Safety, Tools, and Equipment (3)

(This is a WECM Course Number.)

An introduction to welding careers and safety practice, including welding safety; OSHA and the Hazardous Communication Act; Material Safety Data Sheets (MSDS); basic mathematics; measuring systems; shop operations; use and care of precision measuring tools; and the use and care of hand and power tools. Instruction on various types of welding equipment and processes, basic welding gases, fluxes, rods, electrodes, symbols, and blueprints. Lab required. (2 Lec., 3 Lab.)

WLDG 1337 Introduction to Metallurgy (3)

(This is a WECM Course Number.)

A study of ferrous and nonferrous metals from the ore to the finished product. Emphasis on metal alloys, heat treating, hard surfacing, welding techniques, forging, foundry processes, and mechanical properties of metal including hardness, machinability, and ductility.

(1 Lec., 6 Lab.)

WLDG 1371 Welding Standards (3)

(This is a WECM Local Need Course.)

Topics will address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. (1 Lec., 6 Lab.)

WLDG 1381 Cooperative Education-Welder/Welding Technologist (3)

(This is a WECM Course Number.)

Career related activities encountered in the student's area of specialization are offered through a cooperative agreement between the college, employer, and student. Under supervision of the college and the employer, the student combines classroom learning with work experience. Directly related to a technical discipline, specific learning objectives guide the student through the paid workexperience. (1 Lec., 20 Lab.)

WLDG 1391 Special Topics in Welder/Welding Technologist (3)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary.

(1 Lec., 6 Lab.) (2 Lec., 3 Lab.)

WLDG 1425 Introduction to Oxy-Fuel and Cutting (4)

(This is a WECM Course Number.)

An introduction to oxy-fuel welding and cutting, including history and future in welding, safety, setup and maintenance of oxy-fuel welding, and cutting equipment and supplies. (2 Lec., 6 Lab.)

WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW) (4)

(This is a WECM Course Number.)

An introduction to shielded metal arc welding process. Emphasis placed on power sources, electrode selection, oxy-fuel cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions. (2 Lec., 6 Lab.)

WLDG 1430 Introduction to Gas Metal Arc (MIG) Welding (4)

(This is a WECM Course Number.)

A study of the principles of gas metal arc welding, setup and use of GMAW equipment, and safe use of tools/equipment. Instruction in various joint designs. This course is cross-listed as WLDG 1230. The student may register for either WLDG 1430 or WLDG 1230, but may receive credit for only one of the two. (2 Lec., 6 Lab.)

WLDG 1434 Introduction to Gas Tungsten Arc (TIG) Welding (4)

(This is a WECM Course Number.)

An introduction to the principles of gas tungsten arc welding (GTAW), setup/use of GTAW equipment, and safe use of tools and equipment. Welding instruction in various positions on joint designs. This course is cross-listed as WLDG 1234. The student may register for either WLDG 1434 or WLDG 1234, but may receive credit for only one of the two. (2 Lec., 6 Lab.)

WLDG 1435 Introduction to Pipe Welding (4)

(This is a WECM Course Number.)

An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 1G and 2G using various electrodes. Lab required. (3 Lec., 2 Lab.)

WLDG 1457 Intermediate Shielded Metal Arc Welding (SMAW) (4)

(This is a WECM Course Number.)

A study of the production of various fillets and groove welds. Preparation of specimens for testing in all test positions. This course is cross-listed as WLDG 1257. The student may register for either WLDG 1457 or WLDG 1257, but may receive credit for only one of the two. (2 Lec., 6 Lab.)

WLDG 1471 Welding Qualifications (4)

(This is a WECM Local Need Course.)

Topics covered will include interpretation of applicable welding specifications, electrode use, current/polarity characteristics, performing a wide range of welding operations, weld quality analysis, welding supplies/materials conservation practices, and operational safety practices. (2 Lec., 6 Lab.)

WLDG 1491 Special Topics in Welder/Welding Technologist (4)

(This is a WECM Course Number.)

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course may be repeated if topics and learning outcomes vary. (2 Lec., 6 Lab.)

WLDG 2331 Advanced Blueprint Interpretation and Cost Analysis (3)

(This is a WECM Course Number.)

A continuation of the Blueprint for Welders course. Emphasis placed on inspection, cost analysis, and estimating, including instruction in basic drafting skills. (2 Lec., 4 Lab.)

WLDG 2443 Advanced Shielded Metal Arc Welding (SMAW) (4)

(This is a WECM Course Number.)

Advanced topics based on accepted welding codes. Training provided with various electrodes in shielded metal arc welding processes with open V-groove joints in all positions. (2 Lec., 6 Lab.)

WLDG 2447 Advanced Gas Metal Arc (MIG) Welding (4)

(This is a WECM Course Number.)

Advanced topics in GMAW welding, including welding in various positions and directions. (2 Lec., 6 Lab.)

WLDG 2451 Advanced Gas Tungsten Arc (TIG) Welding (4)

(This is a WECM Course Number.)

Advanced topics in GTAW welding, including welding in various positions and directions. (2 Lec., 6 Lab.)

Texas Department of Health

Recommended Adult Immunization Schedule

Vaccine/ Toxoid/ Biological	Primary Schedule & Boosters	Indications	Major Precautions & Contraindications Other Than Primary Allergies	Special Considerations
Tetanus- Diphtheria Toxoid	2 doses (IM) 4 weeks apart with 3rd dose (booster) 6-12 months then a booster every 10 years.	All Adults		Consider Human Tetanus Immune Globulin (TIG) for dirty wounds in patients with incomplete immunizations.
Measles Mumps Rubella (MMR) Vaccine	1 dose (SC); boosters for measles are necessary for certain adults.	Measles/Mumps for adults born after 1/1/57 who lack a vaccine history for measles and mumps since their 1st birthday OR serological proof of immunity OR a physician validated statement of Measles/ Mumps illness. 2 doses of measles vaccine are recommended for persons at high risk of expo- sure (e.g. medical personnel). Rubella for any adult who lacks documentation of rubella vaccine since the 1st birthday OR serological proof of immunity.	Pregnancy; immuno- compromised hypersensitivity to neomycin and/or eggs	Persons vaccinated with killed measles vaccine (1963-1967) should be revaccinated with live measles vaccine; MMR is the vaccine of choice if the person is likely to be susceptible to more than 1 agent
Hepatitis B Vaccine	2 doses (IM) 4 weeks apart; 3rd dose 5 months after 2nd.	Adults at increased risk of occupational, environ- mental, social, or family exposure		
Influenza Vaccine (Split or Whole Vaccine)	1 dose annually (IM)	Adults with high-risk conditions; adults > or = 65 years old; health care workers	Hypersensitivity to eggs; may be given during pregnancy to high-risk patients.	
Pneumo- Coccal Poly- saccharide Vaccine (23 Valent)	1 dose (IM or SC); boosters after 6 years indicated for certain	Underlying health conditions; adults 65 years old and older; adults with anatomic or functional asplenia	Pregnancy	Immune response is better if vaccinated prior to splenectomy

ALERT!!

MEASLES (aka. rubella, Red Measles, Hard Measles, 10-day Measles)

Measles is a highly contagious viral disease. Antibiotics are NOT available to treat persons infected with this organism. Recent outbreaks of this illness have included many hospitalizations and several deaths among college-aged persons, for these reasons it is strongly recommended that students of Institutions of Higher Education have two doses of the vaccine prior to beginning classes. Most young adults have had only one dose.

The measles vaccine is most often given in combination with the vaccines for mumps and rubella which are also caused by viruses.

TETANUS (aka. Lockjaw)

The illness caused by tetanus results from the poison produced by a bacteria. Again this is a very difficult illness to treat once it occurs and prevention is the most appropriate choice. The vaccine is effective for about 10 years and needs to be boosted at that interval. It is now common for older adults to develop Tetanus in the United States as many adults do not receive the recommended 10 year boosters. The Tetanus vaccine should be given in combination with the diphtheria vaccine.

POLIOMYELITIS

In the United States, polio immunization is not routinely recommended for persons 18 years of age or older. However, if travel to other parts of the world is planned, a physician should be contacted for specific recommendations.

SECTION 51.933 TEX. EDU. CODE

The campus health centers have information regarding local providers of immunization services. Check with the health center for specific local information.

DCCCD Policies

COLLEGE POLICIES AND PROCEDURES

Policies

Equal Educational and Employment Opportunity Policy

Educational opportunities are offered by the Dallas County Community College District without regard to race, color, age, national origin, religion, sex, disability or sexual orientation. The college provides equal opportunity in accord with federal and state laws. Equal educational opportunity includes admission recruitment, extra-curricular programs and activities, access to course offerings, counseling and testing, financial aid, employment, health and insurance services and athletics. Existing administrative procedures of the college are used to handle student grievances. To file a grievance, refer to the student grievance procedure in the catalog.

Family Educational Rights and Privacy Act of 1974

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records.

These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the College receives a request for access.

Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written, requests that identify the record(s) they wish to inspect. The College official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the College official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes is inaccurate.

Students may ask the College to amend a record that they believe is inaccurate. They should write the College official responsible for the records, clearly identify the part of the record they want changed, and specify why it is inaccurate.

If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of a right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including campus law enforcement personnel and health staff); a person or company with whom the College has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing a task.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill the official's professional responsibility.

4. The right to file a complaint with U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are:

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, D.C. 20202-4605

5. Directory information includes:

- a. name;
- b. home address;
- c. home telephone number;
- d. e-mail addresses;
- e. field of study;
- f. photograph;
- g. date and place of birth;
- h. dates of attendance;
- i. enrollment status, i.e., full-time, part-time, undergraduate, graduate
- j. degrees, certificates and other honors and awards received;
- k. the type of award received, i.e., academic, technical, tech-prep, or continuing education;
- l. participation in officially recognized activities;
- m. weight and height of members of athletic teams;
- n. student classification;
- o. name of the most recent previous institution attended; or,
- p. similar information.

Students may request that all or any part of the directory information be withheld from the public by giving written notice to the Registrar's Office during the first 12 class days of a fall or spring semester or the first four class days of a summer session.

Student Consumer Information Services

Pursuant to the Educational Amendment of 1980, Public Law 96-374, the college provides all students with information about its academic programs and financial aid available to students.

Student Right-to-Know Act

Under the terms of the Student Right to Know Act, the college maintains and updates on an annual basis, student persistence, graduation rates, transfer rates and other relevant statistics. To obtain copies of these reports, contact the District Office of Research. College crime statistics may be obtained from college police/security offices. (Published in compliance with the Student Right-to-Know and Campus Security Act; Public Law 101-542.)

Equity in Athletics Disclosure Act

All coeducational institutions of higher education that participate in any Federal student financial aid program and have intercollegiate programs must provide information concerning their intercollegiate athletics programs under the Equity in Athletics Disclosure Act of 1994, Section 360B of Public Law 103-382. This Act and accompanying federal regulations requires that intercollegiate athletics information be made available for inspections by students, prospective students and the public. The college web site or Physical Education Office can provide this information.

Drug-Free Schools and Communities Act

To satisfy the requirements of the "Drug Free Schools and Communities Act," the colleges and facilities are committed to creating an educational and work environment free from use or distribution of illicit drugs and

abuse of alcohol. The college prohibits the unlawful possession, use or distribution of illicit drugs and alcohol by students and employees on its property or as part of any of its activities. Information and confidential referrals concerning counseling and treatment programs for drug and alcohol abuse may be obtained from the Counseling/Advisement Center, Health Center, and location Human Resources Office.

Standard of Conduct

As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the Code of Student Conduct published in this catalog.

If you are unable to complete the course (or courses) for which you have registered, it is your responsibility to withdraw formally from the course (or courses). Failure to do so will result in your receiving a performance grade, usually an "F".

Children on Campus

The institution strives to protect an environment most conducive to teaching and learning for all enrolled students. Children who are taking part in organized scheduled activities or who are enrolled in specific classes are welcomed. Minor children, however, should not be brought to the institution unless closely supervised by their parent. Minor children should not be brought into classrooms, laboratories, or other facilities of the college. This practice is disruptive to the learning process. In the case of an emergency where the student-parent has no alternative but to bring the child to campus, classroom faculty or the administrative heads of other units have full discretion as to whether a child may be allowed to quietly stay in the location. These individuals may require that children be removed by the student-parent from the setting if, in their opinion, the presence of the child is deemed to be disruptive to the learning process. For reasons of security and child welfare the institution will not permit unattended children to be left anywhere on the premises. Parents who have problems with childcare should visit the advisement/counseling center to receive referrals to childcare services in the area.

CODE OF STUDENT CONDUCT

Educational opportunities are offered by the Dallas County Community College District without regard to race, color, age, national origin, religion, sex, disability or sexual orientation.

The Code of Student Conduct, Student Grievance Procedure, Computer Use Policy, Computer Software Policy, Firearms Policy and Communicable Disease Policy are common to all the colleges of the Dallas County Community College District. Certain words in the policies and procedures have been changed to reflect a college perspective; for instance, "District" may have been changed to "college." A complete listing of policies and procedures may be found in the DCCCD Policies and Procedures Manual in the college president's Office.

Purpose

The purpose of policies about student conduct and discipline are to provide guidelines for the educational environment of the college. This environment views students in a holistic manner, encouraging and inviting them to learn and grow independently. Such an environment presupposes both rights and responsibilities. Free inquiry and expression are essential parts of this freedom to learn, to grow and to develop. However, this environment also demands appropriate opportunities and conditions in the classroom, on the campus, and in the larger community. Students must exercise these freedoms with responsibility.

Policies, Rules, and Regulations

Interpretation of Regulations: Disciplinary regulations at the college are set forth in writing in order to give students general notice of prohibited conduct. The regulations should be read broadly and are not designed to define misconduct in exhaustive terms.

Inherent Authority: The college reserves the right to take necessary and appropriate action to protect the safety and well-being of the campus community.

Student Participation: Students are asked to assume positions of

responsibility in the college judicial system in order that they might contribute their skills and insights to the resolution of disciplinary cases. Final authority in disciplinary matters, however, is vested in the college administration and in the Board of Trustees.

Standards of Due Process: Students who allegedly violate college policy are entitled to fair and equitable proceedings. The focus of inquiry in disciplinary proceedings shall be the guilt or innocence of those accused of violating disciplinary regulations. Formal rules of evidence shall not be applicable, nor shall deviations from prescribed procedures necessarily invalidate a decision or proceeding, unless significant prejudice to a student respondent or the college may result.

Accountability: Students may be accountable to both civil authorities and to the college for acts which constitute violations of law and this code. Disciplinary action at the college will normally proceed during the pendency of criminal proceedings and will not be subject to challenge on the ground that criminal charges involving the same incident have been dismissed or reduced. Students who participate in a college course through the R. Jan LeCroy Center for Educational Telecommunications are subject to the code of student conduct and are assigned a college for that purpose.

Definitions

Definitions to be used in this policy are as follows:

1. "Designated administrator or DA" shall mean an administrator or the officer or officer directly responsible for student affairs in the college.
2. A "student" shall mean one who is currently enrolled in the college. This includes credit, non-credit, and dual credit students, regardless of method of delivery. These policies and regulations shall also apply to any prospective or former student who has been accepted for admission or readmission to any component institution while he or she is on the campus of any component institution.
3. "College-sponsored activity" means any activity on or off campus which is initiated, aided, authorized, or supervised by the college.
4. A "college" or "institution" means the colleges of the Dallas County Community College District, including the Bill J. Priest Institute of Economic Development.
5. "College premises" means buildings or grounds owned, leased, operated, controlled, or supervised by the college.
6. "Published college regulation or policy" means standards of conduct or requirements located in the:
 - a. College catalog.
 - b. Board of Trustees policies and administrative procedures manual.
 - c. Student handbook.
 - d. Any other official publication.

Bill J. Priest Institute for Economic Development

The president of the Bill J. Priest Institute for Economic Development (BPI) and college presidents are authorized to promulgate written regulations which apply only to students who are subject to provisions of the federal Workforce Investment Act (WIA), as amended, its regulations, and other similar federal programs. BPI or college regulations should be designed to foster good work habits, promote skills desired by local employers, and encourage success in obtaining and maintaining a job. WIA students are subject to conduct standards in the code of student conduct as well as BPI or College regulations; however, the remainder of the code is not applicable to such students. A WIA student who allegedly violates the code and/or BPI or College regulations must be given an opportunity to appeal expulsion, suspension, or other disciplinary sanctions in a manner determined by the college president. WIA students may file grievances with the WORKSOURCE of Dallas, North Texas Consortium and other WIA authorized WIA program managers.

Responsibility

Each student shall be charged with notice and knowledge of the contents and provisions of the District's policies, procedures, and

regulations concerning student conduct.

All students shall obey the law, show respect for properly constituted authority, and observe correct standards of conduct. In addition to activities prohibited by law, the following types of behavior shall be prohibited.

1. Intentionally causing physical harm to any person on college premises or at college-sponsored activities, or intentionally or recklessly causing reasonable apprehension of such harm or hazing.
 2. Unauthorized use, possession, or storage of any weapon on college premises or at college-sponsored activities.
 3. Intentionally initiating or causing to be initiated any false report, warning, or threat of fire, explosion, or other emergency on college premises or at college-sponsored activities.
 4. Intentionally interfering with normal college or college-sponsored activities, including but not limited to, studying, teaching, research, college administration, or fire, security, or emergency services.
 5. Knowingly violating the terms of any disciplinary sanction imposed in accordance with college policies, regulations, and procedures.
 6. Unauthorized distribution or possession for purposes of distribution of any controlled substance or illegal drug on college premises or at college-sponsored activities.
 7. Intentionally or maliciously furnishing false information to the college.
 8. Sexual harassment.
 9. Forgery, unauthorized alteration, or unauthorized use of any college document or instrument of identification.
 10. Unauthorized use of computer hardware or software.
 11. Scholastic dishonesty shall constitute a violation of these rules and regulations and is punishable as prescribed by college policies. Scholastic dishonesty shall include, but not be limited to, cheating on a test, plagiarism, and collusion. "Cheating on a test" shall include:
 - a. Copying from another student's test paper.
 - b. Using test materials not authorized by the person administering the test.
 - c. All forms of academic dishonesty, including cheating, fabrication, facilitating academic dishonesty, plagiarism, and collusion.
 - d. Collaborating with or seeking aid from another student during a test without permission from the test administrator.
 - e. Knowingly using, buying, selling, stealing, or soliciting, in whole or in part, the contents of an unadministered test.
 - f. The unauthorized transporting or removal, in whole or in part, of the contents of the unadministered test.
 - g. Substituting for another student, or permitting another student to substitute for one's self, to take a test.
 - h. Bribing another person to obtain an unadministered test or information about an unadministered test.
- "Plagiarism" shall be defined as the appropriating, buying, receiving as a gift, or obtaining by any means another's work and the unacknowledged submission or incorporation of it in one's own written work.
- "Collusion" shall be defined as the unauthorized collaboration with another person in preparing written work for fulfillment of course requirements.
12. Intentionally and substantially interfering with the freedom of expression of others on college premises or at college-sponsored activities.
 13. Theft of property or of services on college premises or at college-sponsored activities; having possession of stolen property on college premises or at college-sponsored activities.
 14. Intentionally destroying or damaging college property or property of others on college premises or at college-sponsored activities.
 15. Failure to comply with the direction of college officials, including campus security/safety officers, acting in performance of their duties.

16. Violation of published college regulations or policies. Such regulations or policies may include those relating to entry and use of college facilities, use of vehicles and media equipment, campus demonstrations, misuse of identification cards, and smoking.
17. Use or possession of any controlled substance or illegal drug on college premises or at college-sponsored activities.
18. Unauthorized presence on or use of college premises.
19. Nonpayment or failure to pay any debt owed to the college with intent to defraud. (Appropriate personnel at a college may be designated by college or District officials to notify students of dishonored checks, library fines, nonpayment of loans, and similar debts. Such personnel may temporarily "block" admission or readmission of a student until the matter is resolved. If the matter is not settled within a reasonable time, such personnel shall refer the matter to the DA for appropriate action under this code. Such referral does not prevent or suspend proceeding with other appropriate civil or criminal remedies by college personnel.)
20. Use or possession of an alcoholic beverage on college premises with the exception of:
 - a. Specific beverage-related courses with the El Centro food service program or the International Sommelier Guild's Diploma Program at Bill Priest Institute; or
 - b. A course that requires the use of alcohol and is approved by the Texas Commission on Law Enforcement Officers' Standards and Education.

Disciplinary Proceedings Investigation, Conference and Complaint

Any student violating this policy shall be subject to disciplinary sanctions including suspension, in accordance with The Code of Student Conduct. A "violation" means an act or omission which is contrary to a published college regulation or policy.

Sanctions for violations of prohibited conduct for (1) through (6) may result in expulsion; for (7) through (13) may result in suspension; (14) through (20) may result in sanctions other than expulsion or suspension.

Repeated or aggravated violations of any provision of this code may also result in expulsion or suspension or in the imposition of such lesser penalties as are appropriate.

"Aggravated violation" means a violation which resulted or foreseeable could have resulted in significant damage to persons or property or which otherwise posed a substantial threat to the stability and continuance of normal college or college-sponsored activities.

Disciplinary Proceedings Investigation, Conference and Complaint

When the Designated Administrator (DA) directly responsible for student affairs or discipline receives information that a student has allegedly violated a published college regulation or policy, the DA shall investigate the alleged violation, that may include a discussion with a student. After completing the preliminary investigation, the DA may:

1. Dismiss the allegation as unfounded, either before or after conferring with the student;
or
2. Proceed administratively, which includes a summons, conference and disposition.
3. Upon appeal, prepare a complaint based on the alleged violation for use in disciplinary hearings along with a list of witnesses and documentary evidence supporting the allegation.
4. The DA will notify the individual who filed the complaint of the disposition of the complaint. If the DA dismisses the allegation, the individual may appeal, in writing, to the President within five (5) working days after disposition.

The president or a designee may suspend a student immediately and without prior notice for an interim period pending disciplinary proceedings, when there is evidence that the continued presence of the student on college premises poses a substantial threat to himself or herself, to others, or to the stability and continuance of normal college functions. A student who is suspended on an interim basis shall be given an opportunity to appear before the president or a designee within five (5) working days from the effective date of the interim suspension. A

hearing with the President shall be limited to the following issues only:

1. The reliability of the information concerning the student's conduct, including the matter of his or her identity; and
2. Whether the conduct and surrounding circumstances reasonably indicate that the student's continued presence on college premises poses a substantial threat to himself or herself, to others or to the stability and continuance of normal college functions.

After the hearing, the President or designee may modify the interim suspension as reasonable to protect the student, public, and college.

No person shall search a student's personal possessions for the purpose of enforcing this code unless the student's prior permission has been obtained or unless a law enforcement officer conducts the search as authorized by law.

Summons

The DA shall summon a student regarding an alleged violation of this code by sending the student a letter. The letter shall be sent by certified mail, return receipt requested, addressed to the student at his or her last known address as it appears in the records of the Registrar's Office or shall be delivered personally to the student.

The letter shall direct a student to appear at a specific time and place not less than five (5) working days after the date of the letter, unless the student can show good cause as prescribed below. The letter shall describe briefly the alleged violation and cite the published college regulation or policy which allegedly has been violated. The DA has authority to place a student on disciplinary probation if the student fails, without good cause, to comply with a letter of summons, or to apply sanctions against the student as provided in this code.

Disposition

At a conference with a student in connection with an alleged violation of this code, the DA shall provide the student with a copy of this code and discuss administrative disposition of the alleged violation.

1. If a student accepts the administrative disposition, the student shall sign a statement that he or she understands the charges, his or her right to a hearing or to waive same, and the penalty or penalties imposed, and that he or she waives the right to appeal. The student shall return the signed form by 5:00 p.m. of the day following administrative disposition. Failure to return this form, waives the student's right to appeal.
2. If a student refuses administrative disposition of the alleged violation, the student is entitled to a hearing as provided herein. The DA shall note the date of refusal in writing and the student shall acknowledge in writing such date.
3. Administrative disposition means:
 - a. The voluntary acceptance of the penalty or penalties provided in this code.
 - b. Other appropriate penalties administered by the DA.
 - c. Without recourse by the student to hearing procedures provided herein.

The DA shall prepare an accurate, written summary of each administrative disposition and send a copy to the student (and, if the student is a minor, to the parent or guardian of the student), to the Director of Campus Security, to the complainant, and to other appropriate officials.

Hearing Committee

When a student refuses administrative disposition of a violation, the student is entitled to a hearing before the Student Discipline Committee. The hearing request must be made to the Designated Administrator (DA) (or officer directly responsible for student affairs or discipline) in writing, on or before the sixth (6th) working day after the date of refusal of administrative disposition. The committee shall be composed of equal number of students, administrators and faculty of the college. The committee and its chair shall be appointed by the President for each hearing on a rotating basis or on the basis of availability. The committee chair will be selected from the administration or faculty.

The chairman of the committee shall rule on the admissibility of evidence, motions, and objections to procedure, but a majority of the

committee members may override the chairman's ruling. All members of the committee are expected to attend all meetings and are eligible to vote in the hearing.

The chairman shall set the date, time, and place for the hearing and may summon witnesses and require the production of documentary and other evidence.

The DA shall represent the college before the Student Discipline Committee and present evidence to support any allegations of violations.

Notice

The committee chairman shall notify the student of the date, time, and place for the hearing by sending the student a letter by certified mail, return receipt requested, addressed to the student at his or her address appearing in the Registrar's Office records. The letter shall specify a hearing date not less than five (5) nor more than ten (10) working days after date of the letter. If a student is under 18 years of age, a copy of the letter shall be sent to the parents or guardian of the student.

The chairman may for good cause postpone the hearing as long as all interested parties are notified of the new hearing date, time, and place.

Content of Notice

The notice shall advise the student of the following right:

1. To a private hearing or a public hearing (as he or she chooses).
2. To appear alone or with legal counsel if the alleged violation subjects the student to expulsion or suspension. The role of legal counsel is limited as provided in the code.
3. To have a parent or legal guardian present at the hearing.
4. To know the identity of each witness who will testify.
5. To cause the committee to summon witnesses, and to require the production of documentary and other evidence possessed by the College.
6. To cross-examine each witness who testifies.

Failure to Comply with Notice

A student who fails to appear after proper notice and without good cause will be deemed to have pleaded guilty to the violation pending against the student. The committee shall impose appropriate penalty and notify the student in the same manner as the notice of hearing.

Role of Legal Counsel

Legal counsel who represents a student in a hearing where the alleged violation subjects the student to expulsion or suspension is limited to advising and assisting the student. This limitation means that legal counsel shall not cross-examine witnesses, make objections, testify, or perform other similar functions generally associated with legal representation. The same preceding limitation applies to counsel who represents the college. Student representation by legal counsel is not permitted in a hearing where the alleged violation does not subject the student to expulsion or suspension.

Preliminary Matters

Charges arising out of a single transaction or occurrence, against one or more students, may be heard together, or, upon request by one of the students-in-interest, separate hearings may be held.

There will be disclosure of all evidence to both sides prior to the hearing.

At least by 12:00 noon, five (5) full working days before the hearing date, the student concerned shall furnish the committee chairman with:

1. The name of each witness he or she wants summoned and a description of all documentary and other evidence possessed by the college which he or she wants produced.
2. An objection that, if sustained by the chairman of the Student Disciplinary Committee, would prevent the hearing.
3. The name of the legal counsel, if any, who will appear with the student.
4. A request for a separate hearing, if any, and the grounds for such a

request.

Hearing Procedure

The hearing shall be conducted by the chairman who shall provide opportunities for witnesses to be heard. The college will be represented by legal counsel if the student is represented by legal counsel in a hearing where the student is subject to expulsion or suspension.

If a hearing may result in expulsion or suspension of a student, the college will have a court reporter present to transcribe the proceedings. If a hearing will not result in expulsion or suspension of a student, legal representation is not permitted and recording of the hearing by any means is not permitted unless authorized by law.

If the hearing is a private hearing, the committee shall proceed generally as follows:

1. Persons present shall be the complainant, the DA, and the student with a parent or guardian if desired.
2. Before the hearing begins, the DA or the student may request that witnesses remain outside the hearing room.
3. The DA shall read the complaint.
4. The DA shall inform the student of his or her rights, as stated in the notice of hearing.
5. The DA shall present the institution's case.
6. The student may present his or her defense.
7. The DA and the student may present rebuttal evidence and argument.
8. The committee, by majority vote, shall determine the guilt or innocence of the student regarding the alleged violation.
9. The committee shall state in writing each finding of a violation of a published college regulation or policy. Each committee member concurring in the finding shall sign the statement. The committee may include in the statement its reasons for the finding. The committee shall notify the student in the same manner as the notice of hearing.
10. A determination of guilt shall be followed by a supplemental proceeding in which either party may submit evidence or make statements to the committee concerning the appropriate penalty to be imposed. The past disciplinary record of a student shall not be submitted to the committee prior to the supplemental proceeding. The committee shall determine a penalty by majority vote and shall inform the student, in writing, of its decision as in 9 above.

If the hearing is a public hearing, the committee shall proceed generally as follows:

1. Persons present shall be the complainant, the DA and the student with a parent or guardian if desired. Designated college representative for the following groups may have space reserved if they choose to attend:
 - a. Faculty Association
 - b. College Newspaper
 - c. College President

Other persons may attend based on the seating available. The Chairman may limit seating accommodations based on the size of the facilities;

2. Before the hearing begins, the DA or the student may request that witnesses remain outside the hearing room.
3. The DA shall read the complaint.
4. The DA shall inform the student of his or her rights, as stated in the notice of hearing.
5. The DA shall present the college's case.
6. The student may present his or her defense.
7. The DA and the student may present rebuttal evidence and argument.
8. The committee, by majority vote, shall determine the guilt or innocence of the student regarding the alleged violation.
9. The committee shall state in writing each finding of a violation of a published college regulation or policy. Each committee member concurring in the finding shall sign the statement. The committee may include in the statement its reasons for the finding. The

committee shall notify the student in the same manner as the notice of hearing.

10. A determination of guilt shall be followed by a supplemental proceeding in which either party may submit evidence or make statements to the committee concerning the appropriate penalty to be imposed. The past disciplinary record of a student shall not be submitted to the committee prior to the supplemental proceeding. The committee shall determine a penalty by majority vote and shall inform the student, in writing, of its decision as in 9 above.

Evidence

Legal rules of evidence shall not apply to hearings under this code. Evidence that is commonly accepted by reasonable persons in the conduct of their affairs is admissible. Irrelevant, immaterial, and unduly repetitious evidence may be excluded.

The committee shall recognize as privileged communications between a student and a member of the professional staff of the Health Center, Counseling or Guidance Center where such communications were made in the course of performance of official duties and when the matters discussed were understood by the staff member and the student to be confidential. Committee members may freely question witnesses.

The committee shall presume a student innocent of the alleged violation until there is a preponderance of evidence, presented by the DA, that the student violated a published college regulation or policy.

All evidence shall be offered to the committee during the hearing.

A student defendant may choose not to testify against himself or herself. The committee will make a determination based on the evidence presented.

Record

The hearing record shall include: a copy of the notice of hearing; all documentary and other evidence offered or admitted in evidence; written motions, pleas, and other materials considered by the committee; and the committee's decisions.

Petition for Administrative Review

A student is entitled to appeal in writing to the President who may alter, modify, or rescind the finding of the committee and/or penalty imposed by the committee. A student is ineligible to appeal if the penalty imposed by the appeals committee is less than suspension or expulsion. The President shall automatically review every penalty of expulsion. Sanctions will not be imposed while appeal is pending.

A student is entitled to appeal in writing to the Board through the President, the Chancellor, and the Chairman of the Board. An appeal from the Student Discipline Committee is by review of the record (not de novo).

A petition for review is informal but shall contain, in addition to the information required, the date of the Student Discipline Committee's action and the student's reasons for disagreeing with the committee's action. A student shall file his or her petition with the President on or before the third working day after the day the Discipline committee determines the penalty. If the President rejects the petition, and the student wishes to petition the Chancellor, he or she shall file the petition with the Chancellor on or before the third working day after the President rejects the petition in writing. If the Chancellor rejects the petition, and the student wishes to petition the Board of Trustees, he or she shall file the petition with the Chairman of the Board on or before the third working day after the day the Chancellor rejects the petition in writing.

The President, the Chancellor, and the Board in their review may take any action that the Student Discipline Committee is authorized to take; however, none may increase the penalty. They may receive written briefs and hear oral argument during their review.

The President, Chancellor and Board of Trustees shall modify or set aside the finding of violation, penalty, or both, if the substance rights of a student were prejudiced because of the Student Discipline Committee's finding of facts, conclusions or decisions were:

1. In violation of federal or state law or published college regulation or policy;

2. Clearly erroneous in view of the reliable evidence and the preponderance of the evidence; or
3. Capricious, or characterized by abuse of discretion or clearly unwarranted exercise of discretion.

Authorized Disciplinary Penalties

The DA or the student discipline committee may impose one or more of the following penalties for violation of a Board policy, college regulation, or administrative rule:

1. An "admonition" means a written reprimand from the DA to the student on whom it is imposed.
2. "Warning probation" means further violations may result in suspension. Disciplinary probation may be imposed for any length of time up to one calendar year and the student shall be automatically removed from probation when the imposed period expires.
3. "Disciplinary probation" means further violations may result in suspension. Disciplinary probation may be imposed for any length of time up to one calendar year and the student shall be automatically removed from probation when the imposed period expires. Students may be placed on disciplinary probation for engaging in activities as illustrated by, but not limited to, the following: being intoxicated, misuse of I.D. card, creating a disturbance in or on college premises, and gambling.
4. "Withholding of transcript or degree" may be imposed upon a student who fails to pay a debt owed the college or who has a disciplinary case pending final disposition or who violates the oath of residency. The penalty terminates on payment of the debt or the final disposition of the case or payment of proper tuition.
5. "Bar against readmission" may be imposed on a student who has left the college on enforced withdrawal for disciplinary reasons.
6. "Restitution" means reimbursement for damage to or misappropriation of property. Reimbursement may take the form of appropriate service to repair or otherwise compensate for damages.
7. "Suspension of rights and privileges" is an elastic penalty which may impose limitations or restrictions to fit the particular case.
8. "Suspension of eligibility for official athletic and non-athletic extracurricular activities" prohibits, during the period of suspension, the student on whom it is imposed from joining a registered student organization; taking part in a registered student organization's activities, or attending its meetings or functions; and from participating in an official athletic or non-athletic extracurricular activity. Such suspension may be imposed for any length of time up to one calendar year. Students may be placed on disciplinary suspension for engaging in activities as illustrated by, but not limited to, the following: having intoxicating beverages in any college facility, with the exception of specific beverage-related courses within the El Centro food service program; giving false information in response to requests from the college; instigating a disturbance or riot; stealing; any attempt at bodily harm, which includes taking an overdose of pills or any other act where emergency medical attention is required; and conviction of any act which is classified as a misdemeanor or felony under state or federal law.
9. "Denial of degree" may be imposed on a student found guilty of scholastic dishonesty and may be imposed for any length of time up to and including permanent denial.
10. "Suspension from the college" prohibits, during the period of suspension, the student on whom it is imposed from being initiated into an honorary or service organization; from entering the college campus except in response to an official summons; and from registering, either for credit or for noncredit, for scholastic work at or through the college.
11. "Expulsion" is permanent severance from the college.

A sanction imposed at one college shall apply to all colleges of the College District.

Hazing

1. Personal Hazing Offense

A person commits an offense if the person commits any of the

following:

1. Engages in hazing.
 2. Solicits, encourages, directs, aids, or attempts to aid another person in engaging in hazing.
 3. Recklessly permits hazing to occur.
 4. Has firsthand knowledge of the planning of a specific hazing incident involving a student, or firsthand knowledge that a specific hazing incident has occurred, and knowingly fails to report said knowledge in writing to the DA or other appropriate official of the institution.
- 2. Definition**
- "Hazing" means any intentional, knowing, or reckless act, occurring on or off the campus of an educational institution, directed against a student, by one person alone or acting with others, that endangers the mental or physical health or safety of a student for the purpose of pledging, being initiated into, affiliating with, holding office in, or maintaining membership in any organization whose members are or include students at an educational institution. The term includes but is not limited to:
1. Any type of physical brutality, such as whipping, beating, striking, branding, electronic shocking, placing of a harmful substance on the body, or similar activity.
 2. Any type of physical activity, such as sleep deprivation, exposure to the elements, confinement in a small place, calisthenics, or any other activity that subjects the student to an unreasonable risk of harm or that adversely affects the mental or physical health or safety of the student.
 3. Any activity involving consumption of a food, liquid, alcoholic beverage, liquor, drug, or any other substance which subjects the student to an unreasonable risk of harm or which adversely affects the mental or physical health or safety of the student.
 4. Any activity that intimidates or threatens the student with ostracism, that subjects the student to extreme mental stress, shame, or humiliation, or that adversely affects the mental health or dignity of the student or discourages the student from entering or remaining registered in an educational institution, or that may reasonably be expected to cause a student to leave the organization or the institution rather than submit to acts described above.
 5. Any activity that induces, causes, or requires the student to perform a duty or task which involves a violation of the Penal Code.

Student Grievance Procedure

Definition

A student grievance is a college-related problem or condition which a student believes to be unfair, inequitable, discriminatory, or a hindrance to the educational process. A grievance also includes discrimination on the basis of race, color, age, national origin, religion, sex, disability or sexual orientation.

Scope

The student grievance procedure is not intended to supplant the Code of Student Conduct, which allows the student procedural due process in disciplinary proceedings initiated by the college. This student grievance procedure is designed to provide the student with the opportunity to file a grievance, as defined above, and to provide a process for resolution of the grievance. A student may file a grievance concerning a policy, procedure, rule or grade if discrimination on the basis of race, color, age, national origin, religion, sex, disability or sexual orientation is the basis for the grievance. This student grievance procedure is not designed to include changes in policy nor does it apply to grading practices. Recommendations for initiating new policy or changing established policy are handled through normal administrative channels. A grade dispute that is not established policy are handled through normal administrative channels. A grade dispute that is not based on an allegation of discrimination is handled under the Grade Dispute Resolution listed below.

Grade Dispute Resolution

Students who wish to dispute a credit course grade may sequentially follow the steps below unless the dispute is resolved at a preceding step:

1. Discuss the dispute with the instructor who awarded the grade.
2. Discuss the dispute with the appropriate division dean.
3. Appeal, in writing, to the appropriate vice-president.
4. Appeal, in writing, to the college president whose decision is final.

A student will receive a written response within ten (10) working days after a written appeal. The appropriate faculty member will be notified in writing regarding the resolution of the matter. A grade dispute will not be considered later than the end of the semester following the semester in which the grade was awarded. In a summer session, the dispute must be initiated not later than the end of the following fall semester. By law, the Board is not required to take any action concerning a grade dispute, but is required to listen if the grade dispute is presented at a public meeting.

Sexual Harassment

The student grievance procedure is not applicable to complaints of sexual harassment. All students shall report complaints of sexual harassment informally to location human resources personnel or location representatives selected by the highest level administrator at the location or formally to the vice chancellor of educational affairs as provided in the sexual harassment procedure.

Informal Procedures

Students who wish to file a college-related grievance should, but are not required, to discuss it with the college employee most directly responsible for the condition which brought about the alleged grievance. If the grievance is not resolved to the student's satisfaction, the student may appeal to the next level of authority. The student may consult with the administrative offices to determine the next level of authority. If an appeal does not resolve the grievance, the student may proceed to the appropriate vice-president with a written presentation of the grievance. If the vice-presidential level of appeal does not prove satisfactory to the student, the student may seek review under the formal procedures below.

Other Procedural Matters

If a student files a grievance informally by discussing it with the college employee most directly responsible, etc., the following procedures apply. The student shall discuss the grievance fully at each level in the process. At each level of authority, a decision shall be made based on common sense and good judgement of a reasonable person. Each level may seek the appropriate authority, if necessary, to resolve the grievance. The entire informal procedure should take no longer than 30 days.

Formal Procedures

Procedures for appeals are as follows:

1. A student who wishes a grievance to be heard by an appeal committee must submit a request in writing to the vice-president of student development (VPSD) or employee who is responsible for student development.
2. The VPSD or responsible employee will convene and chair the appeal committee.
3. The appeal must be heard by the committee within ten class days of the request unless extended with the agreement of both the student and the VPSD or responsible employee.
4. The committee will be ad hoc and will consist of two students, two faculty members, and one staff member who is either an administrator or a noncontractual employee. It is the responsibility of the college president or designee to appoint all committee members and the appointor shall examine each member to ensure their impartiality.
5. The appeal committee will make findings and send its decision to

the college president. A grievant may seek review of an adverse decision through the president. The decision of the president shall be final.

Board Action

By law, the board of trustees is not required to take any action concerning a grievance, but is required to listen if the grievance is presented at a public meeting.

Appeal Committee Procedures

1. If a student requests a hearing by an appeal committee, a grievance must be in writing and contain:
 - a. the student's name and address;
 - b. the nature of the grievance, including the date it occurred;
 - c. the corrective action sought; and
 - d. any other relevant information.
2. A grievance filed, either informally or formally, will not be considered unless it is filed not later than 120 days after the event or occurrence giving rise to the grievance or knowledge of the event or occurrence. The entire formal procedure should take no longer than 30 days.
3. In conducting the appeal committee hearing, the VPSD or responsible employee is authorized to:
 - a. require any student or employee to provide a written statement along with any documents concerning the events and circumstances that may have given rise to the grievance;
 - b. require any student or employee to appear and testify;
 - c. question each individual who testifies; and
 - d. copy all documents.

This is not an adversarial proceeding. A VPSD or responsible employee shall conduct a hearing in a professional and cooperative manner and all participants are expected to do likewise.

1. Failure to comply with a summons or order from the VPSD or responsible person may result in disciplinary action.
2. The appeal committee shall base its decisions during a hearing and make a recommendation upon the common sense and good judgement of a reasonable person.
3. The VPSD or responsible employee shall ensure that all relevant evidence is obtained from parties during the hearing.
4. An attorney or other representative of a grievant may present a grievance to the appeal committee, but this presentation does not include questioning or cross-examining witness (including the grievant), objecting to testimony or documents, or similar actions undertaken by an attorney to represent a client.

Coordinators

Coordinator(s) for the Rehabilitation Act of 1973 (Section 504), Americans with Disabilities Act of 1990 (Title II) and Education Amendments of 1972 (Title IX)

Bill J. Priest Institute

Genie M. Dillon - Director of Solutions Development
Section 504, Title II, and Title IX Coordinator

Brookhaven College

George Herring - Vice President of Business Services
Title II Coordinator

Kathleen Whitson - Dean of Instructional Support & Outreach Services
Section 504

Roger Bennett - Executive Dean for Fine Arts & Physical Education
Title IX Coordinator

Cedar Valley College

Dr. Claire Gauntlett – Dean of Institution Effectiveness & Research
Section 504, Title II, and Title IX Coordinator

Eastfield College

Jim Jones - Vice-President of Business Services
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El Centro College

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Bettie Tully - College Ombudsperson
Title IX Coordinator

Mountain View College

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Section 504 and Title II Coordinators

Tom McLaughlin – Dean of Students
Title IX Coordinator

Computer Use Policy

Purpose of Computer Use Policy

The college is committed to providing an educational and work climate that is conducive to the personal and professional development of each individual. To fulfill its multiple missions as an institution of higher learning, the college encourages a climate that values and nurtures collegiality, diversity, pluralism and the uniqueness of the individual within our state, nation and world. The college also strives to protect the rights and to enhance the self-esteem of all its members. Faculty, staff and students should be aware that any form of illegal harassment or discrimination against any individual is inconsistent with the values and ideals of our community.

As an institution of higher education, the college encourages, supports, and protects First Amendment rights and an open environment to pursue scholarly inquiry and to share information. Access to networked computer information in general and to the Internet, in particular, supports the academic community by providing a link to electronic information in a variety of formats and covering all academic disciplines. As with any resource, it is possible to misuse computing resources and facilities and to abuse access to the Internet. The following statements address, in general terms, the institution's policies concerning computing use.

The chancellor is authorized to promulgate policies and procedures to implement this policy. Refer to the Business Procedures Manual for additional information.

Use of College Resources

Use of college computing resources and facilities requires that individual users act in compliance with college policies and procedures, and failure to comply may result in restriction or revocation of access to college resources. Computing "resources and facilities" include, but are

not limited to college-owned host computer systems, networks, peripheral equipment (such as modems, terminals, and printers), computers and workstations, software, data sets, storage devices (such as CD-ROMS, hard and soft disks and the like), and all computer communications controlled, administered, or accessed directly or indirectly by the college or by any user. The college provides users with an account that permits use of the computing resources and facilities within policies and procedures established by the college. Any person who uses college computing resources and facilities through college-owned equipment (such as public access computers at the libraries and computer labs) is also a user and is permitted to use the computing resources and facilities within policies and procedures established by the college. Users must respect the integrity of computing resources and facilities, respect the rights of other users, and comply with all relevant laws (local, state, federal and international), college policies and procedures, and contractual agreements. Employees who use college computers or facilities must comply with the Texas Public Information Act and the Local Government Records Act as described in CR (Regulation). The college reserves the right to limit, restrict, or deny computing resources and facilities for those who violate college policies, procedures, or local, state or federal laws.

Freedom of Expression

Censorship is not compatible with the goals of the college. The college shall not limit adult users' voluntary access to any information due to its content when it meets the standard of legality. A minor's parent may permit a minor user to have voluntary access to any information that meets the standard of legality.

Privacy

The general right to privacy is extended to the electronic environment to the extent possible. Users have a lessened expectation of privacy when using computer resources and facilities owned by public institutions such as the college. Issuance of a password or other means of access is to ensure appropriate confidentiality of college files and information. It is not a guarantee of privacy nor a license for abuse or improper use of the institution's computing resources and facilities. Privacy is mitigated by the Texas Public Information Act, administrative review, computer system administration, audits, and the nature of the electronic medium itself. Contents of electronic files will be examined or disclosed only when authorized by the user, approved by designated college officials, or required by law.

Intellectual Property

All users should be aware that property laws apply to the electronic environment. Users must abide by all software licenses, college copyright and software policies and procedures, and applicable federal and state law. Users should assume that works communicated through a network are subject copyright unless specifically stated otherwise. Unless permission of the author is obtained, use of any electronically transmitted information must comply with the "fair use" principle found in federal copyright law and CR Regulation.

Criminal and Illegal Acts

Computing resources of the college, which include the hardware, software, and network environment, shall not be used for illegal activities. Any illegal use of these resources will be dealt with by the appropriate college authorities and/or other legal and law enforcement agencies. Criminal and illegal use may involve, but is not limited to: unauthorized access, intentional corruption or misuse of computing resources, theft, defamation, obscenity, child pornography, and harassment based upon race, ethnicity, national origin, disability, age, religion or sex.

Authorized Use

Computing resources are provided by the college to accomplish tasks related to the institution's mission. Some computers may be dedicated to specific enterprises or teaching missions that limit their use. Incidental personal use of computing resources is acceptable if the use:

1. imposes no measurable cost on the college;
2. is not harmful to the college;

3. is not a hindrance to the daily operations of the college; and
4. has no adverse effect upon an individual's job or educational performance.

Unauthorized Use

Unauthorized use of the institution's computing resources and facilities includes but is not limited to: illegal activities; failure to comply with laws, license agreements, and contracts governing network software and hardware use; abuse of communal resources; use of computing resources for unauthorized commercial purposes or personal gain; failure to protect the user's password or use of the user's account; breach of computer security, harmful access or invasion of privacy; use of computing resources for anonymous or identity-masked messages to other college users; or unauthorized encryption. Refer to the Business Procedures Manual for additional information.

Individual Responsibility for Use of Computing Resources and Facilities

All users will use these resources and facilities in accordance with college policies and procedures as well as all laws. Failure to fulfill these responsibilities may lead to the cancellation of computer access, other disciplinary action by the college and/or referral to legal and law enforcement agencies, in accord with existing college policies and procedures. Individuals using the institution's computing resources or facilities shall:

1. Use college computing resources and facilities in accord with this policy, and respect the rights of other computer users by complying with laws, license agreements and contracts.
2. Use communal resources with respect for others. Disruptive mailings and print jobs, typing up work stations, and other disproportionate use of computing facilities prevent others from using these resources.
3. Use of college computing accounts must be limited to authorized purposes. Use of college-owned resources and facilities shall be limited to college-related business or incidental personal use as defined in this policy. Use of computing resources for unauthorized commercial purposes or personal gain is prohibited.
4. Protect the individual's password and use of the individual's account. The user shall not use another person's identification, account or password without his or her permission. Confidential information contained on various computers shall not be shared with others except when those persons are authorized to receive the information. Users shall not intentionally seek, read, provide, remove, reconfigure or modify information in or obtain copies of any files, accounts, software, hardware, programs, or passwords belonging to other computer users or the college without the permission of those other computer users or the college. A user must obtain written permission from the owner of a file to alter or copy a file if the file does not belong to the user or the file has been sent to the user by the owner.
5. Report improper use of computer resources and facilities which may include:
 - a. Breach of computer security
 - b. Unauthorized access to computing resources
 - c. Release of password or other confidential information on computer security
 - d. Harmful access
 - e. Alteration, damage, or destruction of data
 - f. Injection of a destructive computer virus
 - g. Invasion of privacy
 - h. Reading files without authorization
 - i. Criminal and illegal acts
6. Comply with requests concerning computing from the system operator.
7. Report any incidents of harassment and/or discrimination using college computing resources and facilities in accord with the institution's policy. It may be harassment if the behavior:

- a. is unwelcome;
- b. interferes with the user's ability, or the ability of others to work or study;
- c. creates an intimidating, hostile or offensive environment.

Alternatively, users may file a grievance through appropriate channels.

8. Respect the forum (talk groups, bulletin boards, public computing facilities) when communicating ideas to others via college computing facilities and resources (includes access to external networks). All communications should reflect high ethical standards and mutual respect and civility. Users may use external network (e.g., BITNET, Internet) links solely for the purposes permitted in these policies and in the external network guidelines. Users are responsible for obtaining and adhering to all of the policies published by the external networks they use. The ability to connect to external systems through the college systems does not imply the right to connect to these systems or to make use of these systems unless properly authorized by the owners of those systems.

Computer Software and Copyright Law

The college respects the copyrights of others. With very few exceptions, all computer software and documentation is protected by federal copyright law. The unauthorized or unlicensed use, duplication or copying of computer software or documentation is contrary to college policy and is a violation of the law. Violators of any copyright are subject to both civil and criminal penalties and/or disciplinary action. College regulations and procedures will establish guidelines for the use of computer resources and local area networks.

Computer Software Policy

It is the policy of the college to respect the copyrights of others. With very few exceptions, all computer software and documentation is protected by federal copyright law. The unauthorized or unlicensed use, duplication or copying of computer software or documentation is contrary to college policy and is a violation of the law. Violators are subject to both civil and criminal penalties and/or disciplinary action. Students may use individually owned software on college computers only if the user can provide proof of a license from the copyright owner or will sign a statement to that effect. Additionally, installation of any individually software may need to first be approved by the appropriate college official. Students may have access to computer networks only to further the institutional goals of the college.

Communicable Disease Policy

Purpose: The college acknowledges the serious threat to our community and nation posed by the AIDS epidemic. This policy and other procedures developed by the president shall emphasize educating employees and students concerning AIDS and managing each case of AIDS individually with sensitivity, flexibility, and concern for the individual as well as employees and students. In addition, this policy defines and addresses other communicable diseases which from time to time arise in the colleges and District among students and employees.

Philosophy: Decisions concerning a person who has a communicable disease shall be based upon current and well-informed medical judgment which includes the nature of the disease, risk of transmission to others, symptoms, and special circumstances of the person, and balancing identifiable risks and available alternatives to respond to a student or employee with a communicable disease.

Nondiscrimination

Students: No student will be required to cease attending a college or participating in college functions solely on the basis of diagnosis of a communicable disease.

Employees: An employee who has a communicable disease will be treated in the same manner as other employees who have other illnesses or injuries.

Confidentiality

The college shall comply with applicable statutes and regulations which protect the privacy of persons who have a communicable disease.

Education

The president shall develop and maintain a comprehensive educational program regarding HIV infection for students and employees. Each college shall have a communicable disease coordinator. The coordinator shall be a registered nurse who has received training in communicable disease is strongly encouraged to report the disease to the coordinator.

Counseling

The communicable disease coordinator shall refer students and employees to sources of testing for HIV infection and counseling upon voluntary request. An individual shall bear the expenses of such testing and counseling.

Firearms Policy

Firearms are strictly forbidden upon any campus (including all buildings and grounds) and all other locations owned, operated or leased by the Dallas County Community College District. This prohibition applies to any person including a person who processes a license to carry a handgun under the Concealed Handgun Law.

Sexual Offender Registration Act

A registered sex offender who is present at a college or District Office as a student, employee, volunteer or contract worker, is required to register at the college police department where the offender is present according to the Texas Code of Criminal Procedure.

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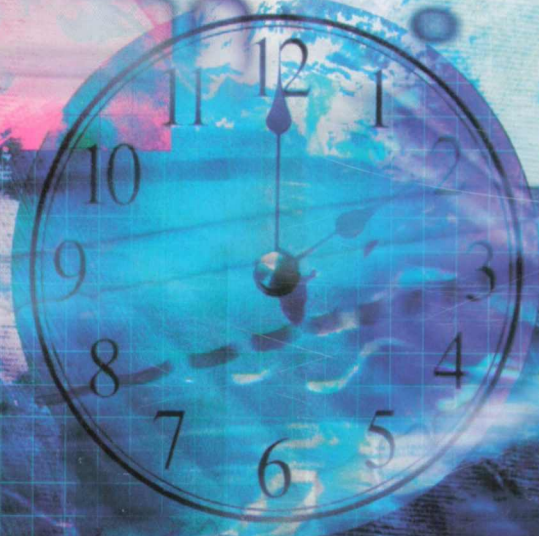
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The "official" catalog of the Dallas County Community College District is on the web. The printed version is for your convenience. Changes made since the printed catalog's publication only can be found on the website at www.mvc.dcccd.edu.

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Educational opportunities are offered by the Dallas County Community College District without regard to race, color, age, national origin, religion, sex, disability, or sexual orientation.