Wharton County Junior College is an equal opportunity institution. It does not discriminate against any person in its employment, personnel relations, admission or services because of the person's age, race, color, religion, sex, place of national origin, or handicap. The College complies with the provisions of Title VI of the Civil Rights Act of 1964 (P.L. 88-352), Title IX of the Education Amendments of 1972 (P.L. 92-318), Section 504 of the Rehabilitation Act of 1973 (P.L. 93-112), and Title II of the Americans with Disabilities Act of 1990 (P.L. 101-336). Any allegations of violation should be brought to the attention of the Affirmative Action Officer. Telephone (979) 532-6308.
Wharton County Junior College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the associate degree.
Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Wharton County Junior College.

The Texas Higher Education Coordinating Board has approved college/university parallel offerings and programs in technical education.

The Texas Veterans Commission has approved programs for veteran educational benefits.

**WCJC GUARANTEE**

**WCJC GUARANTEES** that WCJC students who are planning to transfer to a four-year university to pursue a **bachelor’s degree** will be able to transfer their academic credit courses to all state-supported colleges and universities in Texas. If a student takes courses according to the conditions of this guarantee, and he or she is not accepted at a state-supported college or university of Texas, Wharton County Junior College will offer alternate courses that are acceptable, tuition free.

WCJC GUARANTEES students of WCJC who complete a technical vocational program will acquire the necessary job skills for entry-level employment in their field of study. If the employer decides that a completer lacks the entry-level job skills in the occupational field in which he or she has been trained, Wharton County Junior College will provide additional skill training, tuition free.

This catalog is intended as a description of those programs and activities offered at Wharton County Junior College. The college reserves the right to select from the courses listed in the catalog those that can be offered during any session. Further, WCJC reserves the right to change any regulations without previous notice. Not all courses listed in this catalog are offered each semester. A printed class schedule listing courses offered is published by WCJC.
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Academic Calendar
Regular Sessions, 2009-2010

Fall Semester 2009

All students must have THEA scores, or proof of THEA exemption, prior to registering for college classes. Call 979-532-6386 (Wharton campus), 281-239-1532 (Fort Bend Tech Center) or 281-243-8434 (Sugar Land campus) for testing information. For Web Registration, go to http://www.wcjc.edu

Application Deadline for Early Fall Registration............................................. June 12
Independence Day Holiday (offices and library closed)................................... July 3

Web registration ................................................................... July 7–August 30
Walk-in registration 8:00am – 4:00pm (Fri 8:00 – 11:00am)July 14–September 2
*New Student Orientation at Wharton, 10:00a.m. – 12:00 noon .......... August 11
*New Student Orientation at Ft Bend Tech Ctr, 10:00a.m. – 12:00 noonAugust 12
*New Student Orientation at Sugar Land, 10:00a.m. – 12:00 noon..... August 13
Official Opening Day of Semester ................................................................. August 24
College Convocation, 9:00 a.m................................................................. August 28
Cafeteria and Dormitories Open, 2:00 p.m............................................. August 30

Classes Begin, 8:00 a.m. ................................................................. August 31
Late Registration and Schedule Changes ................................................. August 31–September 2

Saturday Classes Begin, 8:00 a.m. ......................................................... September 5
Labor Day Holiday ................................................................................. September 7
Twelfth Class Day ...................................................................................... September 16
Constitution Day ...................................................................................... September 17
Mid-Semester ........................................................................................... October 23
Last Day for Dropping Courses with Grade of "W".............................. November 20
Thanksgiving Holidays begin at 4:00 p.m.
   (cafeteria and dormitories close at 2:00 p.m.)................................. November 25
Dormitories Open, 2:00 p.m................................................................. November 29
Thanksgiving Holidays End, Classes Resume 8:00 a.m.............................. November 30
Final Examinations and Book Buy-Back at Bookstore ..............December 11-17
Grades are due no later than noon.................................................December 18
Cafeteria and Dormitories Close, after lunch..............................December 18
Semester Ends ...................................................................................... December 18
Winter Break (college closed) ......................................................... December 18 - January 5

[*Limited seating, please call to reserve a spot.]
Spring Semester 2010

All students must have THEA scores, or proof of THEA exemption, prior to registering for college classes. Call 979-532-6386 (Wharton campus), 281-239-1532 (Fort Bend Tech Center) or 281-243-8434 (Sugar Land campus) for testing information.

Web registration for Spring Semester .................... November 1 - January 18
Walk-in registration 8:00am – 4:00pm .......... Nov. 2 – Dec. 18 also Jan. 6 - 21
College Offices Reopen ................................. January 6
Official Opening day of Semester ........................... January 6
College Convocation, 9:00 am........................................ January 15
Cafeteria and Dormitories Open, 2:00 p.m....................... January 17
Martin Luther King Holiday (no classes; offices and library closed)... January 18
Classes Begin, 8:00 a.m...........................................January 19
Late Registration and Schedule Changes ..................... January 19-21
Saturday Classes Begin, 8:00 a.m......................... January 23
Twelfth Class Day .......................................................... February 3
No Classes (TCCTA meeting), offices and library open........ March 5
Mid-Semester ................................................................. March 12
Cafeteria and Dorms Close, 4:00 p.m........................ March 14
*Spring Break for Students Begins at 8:00 a.m. (offices and library closed) March 15
Dormitories Open, 2:00 p.m........................................ March 21
Spring Break Holidays End, Classes Resume at 8:00 a.m......... March 22
Student Holiday (University Interscholastic League)................ March 26
Easter Holidays Begin at 4:00 p.m. (office and library closed) .... March 31
Dorms Open, 2:00 p.m..................................................... April 4
Easter Holidays End, classes resume at 8:00 a.m................ April 5
Last day to submit application for May graduation................ April 1
Last Day for Dropping Courses with Grade of "W" .................. April 16
Final Examinations and Book Buy-Back at Bookstore................... May 12-18
Grades are due no later than noon..................................... May 19
Cafeteria and Dormitories Close, 2:00 p.m........................ May 21
Commencement, 2:00 p.m. – AA/AAT Degrees....................... May 21
Commencement, 6:00 p.m. – AAS Degrees ......................... May 21
Memorial Day Holiday (offices and library closed).................. May 31

Note: Saturday classes will meet on March 13 but not on March 20.
Summer Session 2010

All students must have THEA scores, or proof of THEA exemption, prior to registering for college classes. Call 979-532-6386 (Wharton campus), 281-239-1532 (Fort Bend Tech Center) or 281-243-8434 (Sugar Land campus) for testing information.

Registration

Web Registration for Summer Terms .................................April 1 – June 6
Walk-in registration 8:00am – 4:00pm (Friday 8:00 – 11:00am).April 5 – June 7

First Summer Term

First Day of Classes (at all locations)........................................ June 7
Last Day for Registering or Adding Courses.............................June 7
Last Day for Dropping Courses with Grade of "W" ......................June 29
Independence Day Holiday (no classes; offices and library closed).......July 5
Final Examinations and Book Buy-Back at Bookstore ....................July 8

Second Summer Term

Web Registration for Summer-2...........................................April 1 - July 11
Walk-in-registration 8:00am – 4:00 pm (Friday 8:00 – 11:00am)April 5 - July 12
First Day of Classes (at all locations)......................................July 12
Last Day for Registering or Adding Courses.............................July 12
Last Day for Dropping Courses with Grade of "W" ......................August 3
Final Examinations and Book Buy-Back at Bookstore .................August 11

In the event that unforeseen circumstances necessitate the cancellation of classes, the classes missed will be made up on Saturdays and/or holidays or by extension of the college calendar.
About the College

Statement of Mission

Wharton County Junior College is a public, two-year, comprehensive community college offering a wide range of postsecondary educational programs and services including associate degrees, certificates, continuing education courses, cultural affairs, and leisure-time activities for the benefit of the community and a population of students that varies in age, background, and ability.

The college affords opportunities for individual growth and expression and promotes the development of the total person through scholarly and creative activity and the application of knowledge for the good of society. Its curricular and co-curricular activities lay a foundation for lifelong learning and involved citizenship and encourage the pursuit of knowledge, innovation, experimentation, and excellence in human endeavor. It prepares students for entry-level positions, for advancement in various occupations and professions, for a broad understanding of the liberal arts and sciences, and for transfer to baccalaureate granting institutions.

In fulfilling its mission, the college:

1. offers associate of arts, associate of arts in teaching, and associate of applied science degrees;
2. offers transfer curricula in preparation for the baccalaureate degree;
3. offers career/vocational curricula leading to certificates and associate degrees;
4. offers remedial and developmental courses and services, as well as adult basic education, to assist under prepared students to achieve competency in basic skills and thus gain access to college-level programs;
5. supports excellence in instruction in all academic areas by the encouragement of faculty professional development for the improvement of teaching and learning through innovative teaching methodologies, research and public service;
6. provides library and other instructional resources as integral parts of the educational process;
7. supports students in the learning process through counseling and academic advising;
8. offers continuing-education noncredit courses and programs to meet the needs of business, industry, government, and the community-at-large,
and to contribute to the economic development of its service region;

9. provides varied cultural opportunities, recreational activities, and community services to enhance the quality of life in its service region;

10. actively cooperates with school districts, vocational-technical schools, other colleges, and universities to promote a more productive educational environment within its service region.

Wharton County Junior College is an institution that emphasizes personal attention to students, innovation and flexibility in its credit and noncredit offerings, and responsiveness to the diversity of communities it serves. The college is dedicated to providing an educational environment that recognizes individuality, stresses the importance of human relationships, and reflects the democratic values of our society.

Approved by the WCJC Board of Trustees
September 20, 2005

Historical Sketch

1944 Wharton County leaders, members of a Post-War Planning Committee, conceived the idea of Wharton County Junior College.

1945 A County Junior College Committee was formed and citizens approved a 20-cent tax.

1946 On April 6, voters of Wharton County created the Wharton County Junior College District and elected the first Board of Trustees: F.J.L. Blasingame, Wharton; Donald M. Duson, El Campo; J. R. Peace, East Bernard; Lottie N. Mullins, Boling; Richard E. Meek, Louise; Carl Reynolds, Glen Flora; and Harold Hansen, Danevang. In September, classroom instruction began with approximately 200 students housed in five Wharton County Fairground buildings, located at the corner of Boling Highway and Alabama Road. John Milton Hodges became President of Wharton County Junior College.

1948 On June 7, Wharton County voters approved a $600,000 tax bond to acquire permanent college facilities.

1948 Friends of the college donated a 20-acre site at Boling Highway and Alabama Road for campus construction.

1954 Congressman Clark Thompson visited the campus. Playwright Horton Foote consulted with drama students on the production of The Rocking Chair.
The Wharton County Junior College Foundation was formed.

1962 Travis M. McKenzie became President of Wharton County Junior College.

1966 Theodore Nicksick, Jr., became President of Wharton County Junior College.

1967 College officials purchased the Wharton County Fairground for campus expansion.

1968 Congressman George Bush visited the Wharton campus.

1969 Congressman Jake Pickle visited the Wharton campus.

1970 On July 18, voters extended the boundaries of the Wharton County Junior College District to include the Needville Independent School District and a Needville resident was appointed to the Board of Trustees, increasing Board membership to eight.

1974 CBS Newsman Dan Rather spoke to WCJC students.

1980 WCJC began offering day classes in Richmond/Rosenberg at B.F. Terry High School.

1983 WCJC opened a satellite campus in Richmond.

1984 Elbert C. Hutchins became President of Wharton County Junior College.

1985 WCJC, with funds provided by The George Foundation, purchased land for a permanent campus in Richmond/Rosenberg.

1990 The Sugar Land campus opened.

1994 Frank Robert Vivelo became President of Wharton County Junior College.

WCJC began offering classes at the Marine Education Center in Palacios.

1996 The LaDieu Technology Center opened on the Wharton campus.

WCJC joined forces with the University of Houston and Houston
Community College System to open a multi-institution teaching center at the Sugar Land CentraPlex.

The Board of Trustees approved the purchase of the Sugar Land CentraPlex Building.

The Board of Trustees increased to nine members.

1999  The WCJC Bay City Technical Education Center opened at the Testengeer Building to house the college’s Process Technology program.

2000  Playwright Horton Foote visited the college to speak with drama students as the Fine Arts Department presented A Year of Horton Foote.

2001  Betty A. McCrohan became President of Wharton County Junior College.
       The WCJC Fort Bend Technical Center (FBTC) Richmond campus opened.

2002  Congressman Ron Paul visited the Wharton campus.

2005  WCJC’s service area expanded to include Sugar Land and its extraterritorial jurisdiction.
       Congressman Tom DeLay visited the WCJC Fort Bend Technical Center.

2007  The Bay City campus opened.

2009  The Sugar Land joins campuses with University of Houston branches at Sugar Land.
WCJC Today

Wharton County Junior College’s tax district encompasses Wharton County and the Needville Independent School District located within Fort Bend County. WCJC has a service area that includes Wharton, Matagorda, and Colorado counties, as well as parts of Fort Bend, Jackson, and Austin counties. To better serve its students, the college offers courses at four campuses in Wharton, Sugar Land, Richmond, and Bay City. In addition, the college offers classes in El Campo, and Palacios.

The Wharton Campus

Most degree and certificate programs as well as many continuing education courses are offered in Wharton. Many students live at home; however, students have the opportunity to live on campus or in local apartments and to participate in campus life. Frankie Hall, a dormitory for men, houses eighty students; Mullins Hall and Brooking Hall, dormitories for women, house fifty-five and thirty students respectively.

The college participates in three competitive sports: volleyball for women, baseball for men, and rodeo for men and women. The college has a choir, a band, and a drama program. These sports and fine arts programs offer student scholarships. Campus life includes intramural activities for men and women, student government, and a variety of clubs.

The Sugar Land Campus

Many college-transfer courses and some technical and career programs are available at the Sugar Land Campus. Certificate programs, continuing education courses, and Adult Basic Education programs are also offered at Sugar Land.

The Richmond Campus

The Fort Bend Technical Center (FBTC) in Richmond offers a full range of technical, vocational, and academic courses. Texas State Technical College (TSTC) in partnership with WCJC offers vocational programs at the FBTC.

The Bay City Campus

The Bay City campus is home to the college’s Process Technology and Nuclear Power Technology programs. The campus also offers transfer courses.
El Campo and Palacios Extension Centers

WCJC offers college-transfer courses and Adult Basic Education at the Northside Center in El Campo and classes at the Palacios Marine Education Center.

Two-Plus-Two Transfer Program

The University of Houston-Victoria and Wharton County junior College have developed a program that enables WCJC students to obtain a signed four-year degree plan and experience university life while still enrolled as freshmen and sophomores at Wharton County Junior College.
General Academic Information

Degrees and Certificates

The college offers three types of degrees: the Associate of Arts, the Associate of Arts in Teaching, and the Associate of Applied Science.

The Associate of Arts (AA) degree is a two-year degree designed for students intending to transfer to four-year institutions to complete baccalaureate degrees. AA degree programs parallel the first two years of study at four-year institutions; that is, they constitute the freshman and sophomore years of a bachelor's degree. Students should plan their courses of study carefully with an advisor to be sure that the courses they take at WCJC match the first two years of their intended major when they graduate from WCJC and transfer to a four-year institution.

WCJC awards the Associate of Arts in Teaching (AAT) degree for students planning to pursue baccalaureate programs that lead to initial Texas teacher certification. There are three tracks, (Plans A, B, or C) that can be pursued to obtain an AAT degree depending on the specialization desired.

The Associate of Applied Science (AAS) is designed for students in technical and career programs who intend to seek employment in identified occupational areas.

The college also offers both semester-hour credit and noncredit programs leading to certificates in career fields not requiring a degree for employment. Certificate programs vary in length from fewer than 100 clock hours up to one year.

Two examples may serve to illustrate the distinctions between AA and AAS degrees and between degrees and certificates.

1. WCJC offers an AA degree in general studies that focuses on the field of criminal justice. This program is designed for students who intend to transfer to a four-year institution to major in some aspect of criminal justice (e.g., probation and parole, juvenile justice, law enforcement, criminal justice administration). But the college also offers a two-year AAS degree with a major in law enforcement for students who intend to enter the police profession immediately upon graduation. Finally, the college offers a certificate program through its state-certified police academy for students who wish to become Texas peace officers but who do not desire a degree.
2. WCJC offers an AA degree in general studies which prepares students who intend to transfer to a four-year institution to study nursing and pursue a career as registered nurses (RNs). But the college also offers an AAS degree in nursing for students who intend to become RNs immediately upon graduation. This latter option is also referred to as the ADN (or associate degree in nursing) program. In addition, WCJC offers a certificate program in vocational nursing for students who wish to become licensed vocational nurses (LVNs) but who do not desire a degree. Finally, the college offers an AAS degree program for students who are already LVNs and desire to enter the ADN program, obtain an AAS degree, and pursue careers as registered nurses. (This degree program is referred to as the LVN-ADN transition program.)

Instructional Divisions

Courses and instructional programs are offered through seven divisions.

**Division of Allied Health (AH)**
Division Chair: Carol Derkowski

Associate Degree Nursing Department  
Dental Hygiene Department  
Health Information Technology Department  
Human Services Department  
Physical Therapist Assistant Department  
Radiologic Technology Department  
Surgical Technology Department  
Vocational Nursing Department

The Division of Allied Health has these purposes: (1) to assist in identifying occupational interests of students and keeping students abreast of career opportunities; (2) to provide specialized programs so that the graduate may possess the skills necessary for employment; (3) to provide students with the training prerequisite for advanced study; (4) to provide the scientific knowledge and skills prerequisite to specialized preparation for some professions; (5) to assist in continuing-education programs; and (6) to provide experiences that can be applied in a practical way in the home, on the job, and in the community.
Division of Communications and Fine Arts (CFA)
Division Chair: Dr. Paul Spellman

English Department
Fine Arts Department
   Art, Drama, Music
Language Arts Department
   Developmental English and Reading, Foreign Languages
Speech Department

The Division of Communications and Fine Arts has these purposes: (1) to provide students with the basic courses prerequisite to more advanced study in selected academic disciplines; (2) to provide some of the fine arts and language arts leading to teacher certification; (3) to help students improve their listening, speaking, reading, writing, and creative skills; (4) to increase students' appreciation of the arts and to provide opportunities for self-expression having either avocational or vocational applications; (5) to promote the college by providing entertainment for the local communities; and (6) to teach appreciation for diversity and some aspects of community and world culture as they relate to the arts, languages, and literatures; and (7) to encourage collaboration and teamwork.

Division of Life Sciences (LS)
Division Chair: Kim Raun

Agriculture Department
Biology Department
Kinesiology Department

The Division of Life Sciences has these purposes: (1) to provide students with the knowledge prerequisite to more advanced study; (2) to provide the scientific knowledge and skills prerequisite to specialized preparation for certain professions; (3) to assist students in developing exercise and eating habits for a longer, healthier life.

Division of Math and Physical Science (M&PS)
Division Chair: Frank Carey

Chemistry/Physics/Engineering Department
Geology Department
Math Department

The Division of Math and Physical Sciences has these purposes: (1) to provide the mathematical and scientific knowledge and skills applied to certain
technologies and/or prerequisite to specialized preparation for a particular profession; (2) to provide the knowledge and skills prerequisite to advanced study.

**Division of Social and Behavioral Science (SBS)**
Division Chair: G. G. Hunt

Criminal Justice/Law Enforcement Department  
Economics Department  
Government Department  
History/Geography Department  
Psychology Department  
Sociology/Anthropology Department

The Division of Social and Behavioral Science has these purposes: (1) to prepare students for advanced standing in four-year colleges; (2) to guide students in self-discovery and offer assistance to facilitate personal adjustment and effective participation in such social settings as the home, workplace, college, community, and state; and (3) to prepare students for immediate employment in law enforcement.

**Division of Technology and Business (T&B)**
Division Chair: Stephanie Dees

Business/Office Administration Department  
Computer Science Department  
Cisco Academy  
Education/Early Childhood Department  
Electronics Technology Department  
Engineering Design Department  
Paralegal Studies Department

The Division of Technology and Business has these purposes: (1) to assist in identifying occupational interests of students and to keep students abreast of career opportunities; (2) to provide specialized programs so that students may possess the skills necessary for employment in an ever-increasingly complex business community; and (3) to provide students with the knowledge and skills prerequisite for advanced study.

**Division of Vocational Science (VS)**
Division Chair: David Clayton

Automotive Technology Department  
Cosmetology
Emergency Medical Technology/Paramedic
Fire Academy
Heating, Air Conditioning and Refrigeration Technology
Nuclear Power Technology Department
Process Technology Department
Police Academy
Welding

The Division of Vocational Sciences has these purposes: (1) to provide specialized training for those students wishing to attain skills necessary for transitioning directly into the workforce (2) to prepare students for advanced training at the university level.

**Continuing Education**

Avocational Training
Vocational Training
Adult Basic Education
Senior Citizens
Youth Activities
Letting Education Achieve Dreams (LEAD)

**Academic Regulations**

**Access to Student Records**

In compliance with federal Public Law 93-380 (Family Educational Privacy Act of 1974, commonly known as the Buckley Amendment, 20 U.S.C. 1232g; 34 CFR 99) and the Texas Open Records Act (Chapter 552, Government Code), the college does not release personally identifiable records or files. Further information concerning this policy and laws on which it is based is available in the Student Handbook and in College Regulation 651. Questions concerning access to student records may be addressed to the Director of Admissions and Registration at (979) 532-6381.

Directory information is available to anyone upon request unless a student restricts the release of such information by completing the form entitled Request to Prevent Disclosure of Directory Information and submits it to the Office of the Director of Admissions and Registration by the twelfth class day of a regular semester and the fourth class day of a summer session.

Directory information includes the following: name, address, telephone listing, date of birth, dates of attendance, participation in officially recognized activities and sports, degrees, candidates for degrees, honors, and awards received, previous colleges and universities attended.
Adding and Dropping Courses

No course can be added or dropped without approval of the Director of Admissions and Registration. No course can be added after the third day of classes during the regular session or after the first class meeting during the summer session. Courses can be dropped with the designation of "W" (Withdrawn) until the end of the twelfth week in a regular session and until the end of the fourth week in the summer session.

Administrative Withdrawal

The college reserves the right to withdraw a student from classes for excessive absences or for any other reason when college officials consider this action to be in the best interest of the college or of the student.

Attendance at Classes

Regular attendance is conducive to optimum achievement. Therefore, students are expected to attend all meetings of those classes in which they are enrolled. Those absences caused by participation in college-sponsored activities, by the student's illness, or by certain emergencies may be excused by the instructor, in which case students are permitted to make up the work missed.

Whenever a student acquires absences in excess of two weeks in a course or when a student's attendance record in the judgment of the instructor makes the attainment of minimum course objectives improbable, that student may be dropped from the course with the designation of "W" (Withdrawn).

Audit of Course

After the drop-add period, students may register to audit academic courses on a space-available basis. Also, after the drop-add period, students who obtain permission from the appropriate Program Director may register to audit vocational-technical courses. Auditing entitles students to the usual learning opportunities but eliminates such course requirements as attendance, written work, and tests. An audit cannot be changed to credit or credit to audit after the deadline for adding courses. The fee for an audit is the same as that for course credit.

Change of Name or Address

A student who changes a home or local address or a name should notify the Office of Admissions and Registration immediately. Any communication from the college that is mailed to the name and address on record is considered to
have been delivered, and the student is responsible for having received the communication.

Classification of Students

Students enrolled at Wharton County Junior College are classified according to the number of hours completed and the number of hours in which they are enrolled.

Freshman: A student enrolling in college for the first time or who at the time of registration has earned fewer than 30 semester hours of credit.

Sophomore: A student who at the time of registration has earned at least 30 semester hours.

Full-time: A student who is enrolled for at least 12 semester hours.

Part-time: A student who is enrolled for at least one course for credit but for fewer than 12 semester hours.

Course Load

The normal load for a regular student during fall and spring semesters should not exceed a total of nineteen semester hours including such courses as kinesiology, choir, and band. The normal load for a regular student during summer semesters should not exceed a total of seven semester hours. Students cannot enroll for more than a normal load unless they have the approval of the Vice President of Instruction. Ordinarily, approval for an overload is contingent upon the applicant's having at least a 3.0 GPA or being a candidate for graduation.

Course Numbers

Wharton County Junior College uses the common course numbering system adopted by a number of Texas institutions. Institutions participating in this system have signed agreements accepting a standard numbering system for commonly transferred courses. This system insures that if students take the courses the receiving institution designates as common, the courses are accepted in transfer and are treated as the receiving institution's courses.

The common course number has a standardized four-letter prefix followed by a four-digit number. The prefix identifies the department through which the course is offered. Numbers 1100-1999 indicate freshman-level courses and numbers 2100-2999 indicate sophomore-level courses. English 1301, for example, is a freshman-level course in the Department of Modern Languages, whereas English 2322 is a sophomore-level course in this department.
However, freshmen may enroll for sophomore-level courses and sophomores may enroll for freshman-level courses if all specific course prerequisites have been met.

**Course Offerings**

The college exercises the prerogative of choosing the courses to be offered during any semester. This offering is announced in the official schedule of classes for the semester. Should the enrollment in a course be insufficient, the course may be dropped from the schedule. Likewise, a course may be closed to further enrollment should enrollment become excessive.

**Prerequisites for Courses**

A "prerequisite" is a condition or requirement that must be met. Many courses are open only to those meeting specified requirements. Course prerequisites may be credit in another course, a minimum grade in another course, concurrent enrollment in another course, consent of the department head or instructor, sophomore standing, or demonstration of a particular skill.

Prerequisites are indicated in the course descriptions.

**Final Examinations**

All academic courses administer final examinations. Exemptions from final examinations are not given. A student who misses a final examination may be given an "I" (Incomplete) at the instructor’s discretion, if the absence is caused by sickness or other emergency. The student should contact the instructor to make arrangements to make up the exam. An “I” automatically converts to an “F” by mid-semester of the following term.

**Grading Policy, Grade Reports, Grade Points**

The college considers grades extremely important permanent records and requires instructors to communicate their specific grading policies for each class at the beginning of the semester. At the end of the semester, the college requires instructors to submit final grades for all officially enrolled students.

Students who believe errors have been made in the final reporting of grades should discuss the matter with their instructors. If the students cannot resolve the matter with the instructors, the students may follow the method of appeal set forth in the *Student Handbook* and in College Regulation 663. A grade change request must be made within 12 months of the end of the term in which the grade was awarded.
A final grade may be changed only by the instructor of the course with the approval of the Vice President of Instruction or by action of the Board of Trustees.

Grades or notations are as follows:

- **A** Excellent
- **B** Good
- **C** Average
- **D** Poor (lowest passing grade)
- **F** Failure
- **I** Incomplete (This grade is given only when a student misses the final examination. The instructor has the discretion to allow a make-up if the absence is caused by sickness or other emergency. By the following regular mid-semester, any "I" not made up converts to an "F.")
- **W** Withdrawn (This grade indicates an official withdrawal from a course by a student or by administrative action by the end of the 12th week during a regular semester or by the end of the 4th week in a summer term.)
- **X** Audit (no credit and no grade)

A four-point system for expressing in numerical terms the quality of scholarship achieved by the student is useful in determining eligibility for honors or probation, for graduation, for participation in intercollegiate athletic competition, and for membership in certain student organizations. The system is as follows:

- Each grade of "A" earns 4 grade points per semester hour.
- Each grade of "B" earns 3 grade points per semester hour.
- Each grade of "C" earns 2 grade points per semester hour.
- Each grade of "D" earns 1 grade point per semester hour.
- Other grades earn 0 grade points.

At the end of each grading period a grade-point average (or grade index) may be obtained by computing the sum of all the grade points earned and dividing this number by the total number of semester hours attempted. Courses marked "W," "I," and "X" are not counted in computing the grade-point average.

For example, if a student completes the following 16 credit hours in a semester, the GPA for that semester is calculated as follows:
Divide the number of grade points earned (50) by the total number of credit hours attempted (16). The GPA for that semester would be 3.17 (B).

Graduation Requirements

Students are responsible for familiarizing themselves with the detailed requirements of their chosen degrees and for preparing themselves to meet those requirements.

Deadlines for applying for graduation are:
- August graduation - July 15
- December graduation - November 1
- May graduation - April 1

Students **must** go to the Registrar’s office to complete the application for graduation. Caps and gowns are ordered through the WCJC bookstores. The Office of Student Services may provide announcements.

General requirements for graduation for the Associate of Arts degree or the Associate of Applied Science degree are as follows:

1. All entrance requirements must be fulfilled.
2. Candidates who entered college after the fall of 1989 must demonstrate proficiency in basic skills either by passing all three sections of the THEA test or by demonstrating THEA exemption, or by satisfying the basic skills requirements in any way prescribed by the Texas Higher Education Coordinating Board.
3. All financial obligations must be met.
4. At least sixty semester hours must be earned.
5. A grade point average of at least 2.0 ("C") must be earned.
6. Candidates must complete at least twenty-four semester hours, including nine of the last fifteen hours, at Wharton County Junior College.
7. Candidates must complete at least fifteen hours of sophomore-level courses.
When requirements for degrees are met during the summer session or fall semester, diplomas are mailed to recipients.

Minimum Standard of Work

Wharton County Junior College expects students to achieve satisfactory progress toward the attainment of their educational goals. The minimum acceptable standard of satisfactory progress is a cumulative average of at least 2.0 grade points on attempted semester credit hours.

Religious Observances

Students who are absent from classes for the observance of a religious holy day may take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. Students should notify the instructor of each class scheduled on the date that they plan to be absent for a religious holy day.

Repetition of Course

When a course is repeated, the last grade awarded is the permanent grade for the course and is the only grade considered in calculating the semester hours and the grade-point average.

Scholastic Honors

Dean's List. At the end of each full term (16 week) semester those students who have been enrolled for at least twelve semester hours of college-level courses, who have made no failing grades, and who have earned grade-point averages of at least 3.5 are listed on the Dean’s List.

Graduation with Honors. Those members of the graduating class who earn a grade-point average of at least 3.8 are graduated with High Honors and those earning a grade-point average of at least 3.5 but less than 3.8 are graduated with Honors.

Scholastic Probation

Failure to achieve the required minimum standard of work results will result in student’s being placed on scholastic probation for the next semester in which they are enrolled.

Students on probation are encouraged to reduce their course load and to re-examine and adjust their educational objectives, their workload, and their study
Students on scholastic probation are removed from probation when they have achieved the required minimum standard of work.

**Scholastic Suspension**

Failure to achieve the required minimum standard of work while on scholastic probation results in suspension from the college for the following full-term (16 week) semester. A student who has been suspended from the college for poor scholarship and who re-enters after the expiration of the semester of suspension re-enters on scholastic probation.

**Semester Credit Hours**

The unit of measurement for credit purposes is the semester credit hour. One semester hour represents the credit earned in a course that is scheduled for one class hour a week for a semester, except for laboratory work. Two or more class hours in the laboratory are required for a single semester hour of credit. Most courses meet three hours a week and have a credit value of three semester hours.

**Student Grievances and Complaints**

The college has an established policy for hearing student grievances and complaints. Students who believe they have legitimate complaints about (1) discrimination or harassment based on sex, race, age, national origin, religion, veteran status, or handicap; (2) non-academic decisions, rules, or regulations; actions, rules or regulations not defined as pertaining to disciplinary measures or decisions; (3) management or conduct of programs; (4) allegations of misleading advertisement or promotion of programs; or (5) other actions of college employees should contact the Office of the Dean of Student Services (979)532-6385 to file the grievance and obtain a copy of College Regulation 591.

Also, College Regulation 663, Appeal of Academic Decisions, provides the mechanism and procedures for students who wish to appeal an action or decision that affects their academic status such as assignment of course grades. The Office of the Dean of Student Services should be contacted for a copy of this regulation.

**Transcripts**

A transcript of college credits is an official copy of the student's permanent record bearing the college seal and the signature of the Director of Admissions and Registration. A student may obtain copies of his or her transcript by making
a written request to the Office of Admissions and Registration. The request must include dates of attendance, student ID number, and a legible signature. All admission information must be on file, and all holds must be cleared before a transcript is issued.

**Transfer of Semester Credit Hours**

Since Wharton County Junior College is fully approved and accredited to offer lower-division courses (freshman and sophomore courses), all its semester hour credits (except in certain developmental, preparatory, and vocational courses) transfer to other state-supported colleges. Colleges do not lower transferred grades; grades are filed just as they are received. For degree purposes or for determining scholastic standing, however, grades earned at other institutions may be averaged with work done at the receiving college or university.

The information that follows was written by the Texas Higher Education Coordinating Board with respect to transfer of semester credit hours and to transfer disputes. Section 61.078 of the Texas Education Code, enacted by the 71st Legislature, requires that this information be reproduced in the college's catalog.

Free Transferability. Lower-division courses included in the Texas Higher Education Coordinating Board's Academic Course Guide Manual and specified in the definition of "Lower-Division Course Credit" shall be freely transferable to and accepted as comparable degree credit by any Texas public institution of higher education where the equivalent course is available for fulfilling baccalaureate degree requirements. It is understood that each Texas institution of higher education may have limitations that invalidate courses after a specific length of time.

Transfer of lower division course credit. All lower division academic courses shall be fully transferable among public institutions and must count toward the same degree at any public college or university in Texas.

**Requirements and Limitations**

A. Each institution of higher education shall identify in its undergraduate catalog each lower division course that is substantially equivalent to an academic course listed in the current edition of the Community College General Academic Course Guide Manual.

B. Each university must identify at least 45 semester credit hours of academic courses that are substantially equivalent to courses listed in the "Lower Division General Academic Course Guide Manual."
including those that fulfill the lower-division portion of the institution's Core Curriculum.

C. All public colleges and universities must accept transfer of credit for successfully completed courses identified in (A) and (B) above as applicable to an associate or baccalaureate degree in the same manner as credit awarded to non-transfer students in that major.

D. Each institution shall be required to accept in transfer into a baccalaureate degree the number of lower division credit hours in a major which are allowed for their non-transfer students in that major; however,

1. No institution shall be required to accept in transfer more credit hours in a major than the number set out in the applicable Coordinating Board approved Transfer Curriculum for that major, as prescribed by the current issue of the Coordinating Board's Guide to Transfer Curricula and Transfer of Credit, Transfer of Credit Policies and Curricula.

2. In any major for which there is no Coordinating Board approved Transfer Curriculum, no institution shall be 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 the major.

3. A university may deny the transfer of credit in courses with a grade of "D" as applicable to the student's major.

E. All senior institutions of higher education in Texas shall provide support services for transfer students equivalent to those provided to non-transfer students regularly enrolled at the institutions, including an orientation program for transfer students, equivalent to that provided for entering freshman enrollees.

F. No university shall be required to accept in transfer or toward a degree, more than sixty-six (66) semester credit hours of academic credits earned by a student in a community college. Universities, however, may choose to accept additional credit hours.

**Resolution of Transfer Disputes for Lower-Division Courses**

A. The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower-division courses:
1. 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. A receiving institution shall also provide written notice of the reasons for denying credit for a particular course or set of courses at the request of the sending institution.

2. A student who receives notice as specified in Subsection (1) may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.

3. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.

4. 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 institution that denies the course credit for transfer shall notify the Commissioner of its denial and the reasons for the denial.

B. The Commissioner of Higher Education 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 institutions.

C. The Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commissioner or the Commissioner’s designee.

D. If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it shall first contact the sending institution and attempt to resolve the problem. In the event that the two institutions are unable to come to a satisfactory resolution, the receiving institution may notify the Commissioner of Higher Education, who may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.
**Six Course Drop Limit**

Under Section 51.907 of the Texas Education Code, “an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education.” This statute was enacted by the State of Texas in spring 2007 and applies to students who enroll in a public institution of higher education as a first-time freshman in the fall 2007 or later. Any course that a student drops is counted toward the six-drop limit if “(1) the student was able to drop the course without receiving a grade or incurring an academic penalty; (2) the student’s transcript indicates or will indicate that the student was enrolled in the course, and; (3) the student is not dropping the course in order to withdraw from the institution.”

**Excluded Courses from Limit**

Drops from the following types of courses are excluded from the course drop limit:

A. Courses taken by students while enrolled in high school – whether for dual credit or early admission. Once graduated from high school the drops will begin to count.

B. Courses dropped at private or out-of-state institutions.

C. Remedial or developmental courses, workforce education courses, or other courses that would not generate undergraduate credit that could be applied to a degree.

D. Drops which meet the definition of a complete withdrawal.

**Exceptions and Documentation Requirements**

A. Severe illness or other debilitation condition: Statement from doctor required.

B. Care of a sick, injured or needy person: Statement from doctor regarding illness of the person being cared for; statement from the sick, injured, or needy person regarding the student’s role as the care-giver, or in case of a child, statement from the student.

C. Death of family member or another person who is otherwise considered to have a sufficiently close relationship: Death certificate or obituary from newspaper.

D. Active duty service with the Texas National Guard or other armed forces by the student, a family member, or a person who has a sufficiently close relationship: Orders from service.

E. Change in work schedule that is beyond the control of the student: Letter from employer.

F. Other good cause as determined by the institution.
For the purposes of this section the following definitions will apply:

**Family Members** – spouse, child, grandchild, father, mother, brother, sister, grandmother, grandfathers, aunt, uncle, nephew, niece, first cousin, stepparent, step-child, or step-sibling.

**Sufficiently close relationship** – this relationship can include a relative with the third degree of consanguinity, plus close friends including but not limited to roommates, housemates, classmates, or others identified by the student for approval of the institution on a case-by-case basis.

**Withdrawal from College**

If a student must withdraw from the college before the completion of the semester for which he or she is enrolled, the student must fill out an official withdrawal form in the Office of the Director of Admissions and Registration or send a letter to that office requesting withdrawal.

All financial obligations to the college must be met in order to receive official clearance.

A student may officially withdraw from college with grades of "W" until the end of the 12th week in regular session and 3/4ths of the way through a summer course.

**Services for Students with Disabilities**

Wharton County Junior College is committed to providing a discrimination-free environment for its students with disabilities. Students with disabilities are encouraged to inform the college of any assistance they may need upon application. Early self-identification will allow students to receive whatever accommodation they may need as quickly as possible.

Students with disabilities are encouraged to register with the ADA Coordinator and to provide appropriate medical and/or psychological documentation. This action entitles qualified students with disabilities to their legal rights and assures them of receiving information on services and procedures available to them. Disability information is strictly confidential and is not released without consent of the student.

It is the responsibility of students with a disability to voluntarily and confidentially disclose information regarding the nature and extent of the disability. Wharton County Junior College does not assume responsibility for providing special accommodations and services to students who have not
identified themselves as having a qualifying disability and who have not made their need known.

Specific disability services are based on individual needs and circumstances. To initiate services, students should contact the ADA Coordinator prior to each semester. The ADA Coordinator's office is located in the Office of Student Services at 979-532-6384.

**Student Conduct and Discipline**

The proper role of the student while on the Wharton County Junior College campus is to attend classes and to engage in related educational activities. Students' involvement in the affairs of the college is encouraged and avenues of communications are provided, but abuse of democratic process is not tolerated.

All WCJC students are expected to obey the law, to show respect for properly constituted authority, and to observe correct standards of conduct. In addition, they are expected to refrain from other types of improper and socially unacceptable behavior that is specified in the Student Handbook. Students who violate these rules of appropriate conduct as defined by the college are subject to disciplinary action.

Misconduct for which students are subject to discipline include the following categories:

1. Dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the college. (Plagiarism and cheating refer to the use of unauthorized books, notes, or otherwise securing help in a test; copying tests, assignments, reports, or term papers.)
2. Being in unauthorized places such as offices or buildings after hours or in any instructor's office without his or her permission.
3. Forgery, alteration, or misuse of college documents, records or identification.
4. Obstruction or disruption of teaching, research, administration, or other college activities, including its public service functions or other authorized activities on college premises.
5. Physical abuse of any person on college-owned or -controlled property or at college-sponsored or -supervised functions, or conduct that threatens or endangers the health or safety of any such persons.
6. Theft of property or damage other than accidental to property of the college or of a member of the college community or of a campus visitor.
7. Violation of college policies or regulations.
8. Use, possession, or distribution of alcohol, narcotics, or dangerous
drugs.
9. Disorderly conduct or lewd, indecent, or obscene conduct or expression on college-owned or -controlled property or at college-sponsored or -supervised functions.
10. Failure to comply with reasonable directions of college officials acting in the performance of their duties.
11. Making unreasonable noise on campus.
12. Conduct that adversely affects the student's responsibility as a member of the academic community.
13. Use or possession of firearms, explosives (including fireworks), swords, daggers, straight razors, or illegal knives is not permitted on campus or in automobiles on campus streets or in parking lots.
14. Any form of gambling.
15. Improper dress. In consideration of sanitation, distraction, or offensiveness to other students and faculty, students are expected to wear appropriate clothing.
16. Unauthorized use of facilities.
17. Failure to have an official student identification card. Students are required to show the ID card upon the request of a staff member, faculty member, or security officer.

Misconduct may result in the student being placed on disciplinary probation or suspension (dismissal).

WCJC has identified certain behaviors which are possible grounds for immediate dismissal from the college. If any of these six situations occurs, immediate dismissal may result:

1. Illegal use or possession of controlled substances (alcohol, drugs) anywhere on college property or at a college event or college-sponsored activity.
2. The presence of the opposite sex in a student’s dorm room.
3. Willful destruction of property, damage to buildings or furnishings, or defacing college property.
4. Physical assault or threat of physical assault on anyone on college property or at a college event or college-sponsored activity.
5. “Hate messages” including, but not limited to, racial epithets or derogatory remarks attacking or belittling someone’s religious beliefs, lifestyle, national origin, physical attributes, etc., whether delivered orally or in writing.
6. Refusal to comply with legitimate directives from dorm supervisors, security personnel, or any college officials or exhibiting defiantly disrespectful behavior to such persons.
WCJC Sexual Harassment Policy (Ref. Reg. 879)

Employees or students shall not engage in conduct constituting sexual harassment. The District shall investigate all allegations of such harassment and shall take appropriate disciplinary action against employees or students found to engage in such harassment. Any employee or student who believes he or she has been or is being subjected to any form of sexual harassment shall bring the matter to the attention of the dean or immediate supervisor in accordance with the District’s grievance policy [see Reg 877 and Reg 591]. However, no procedure or step in that policy shall have the effect of requiring the employee or student alleging sexual harassment to present the matter to a person who is the subject of the complaint. Note: The Director of Human Resources or the President may also be contacted by personnel on issues relating to sexual harassment.
Admission and Registration

Admission

Admission for college credit studies is open to all applicants who meet at least one of the methods of regular admission listed below. However, admission to the college does not imply admission to all programs. Guidelines for admission to the Associate Degree in Nursing (ADN), Dental Hygiene, Physical Therapist Assistant, Radiologic Technology, Surgical Technology, and Licensed Vocational Nursing (LVN) are given in the degree requirements section of this catalog. An applicant may obtain information about admission to a particular program from the Director of Admissions and Registration or the appropriate division chair.

Each applicant must satisfactorily complete all phases of the admission process.

Methods of Regular Admission

Persons may qualify for admission to Wharton County Junior College by any of the following means:

1. Graduation from an accredited high school.

2. Admission by examination: A person whose high-school class has graduated may be admitted by successfully completing the General Education Development (GED) test.

3. Admission by individual approval. A person who does not qualify under the above criteria may still be admitted on the following bases:
   a. A high-school student may be admitted concurrently with enrollment in high school if he or she meets the early-admission criteria for high-school students (see below). The college course load is adjusted to the student's high-school load.
   b. A person not qualifying under any of the above may petition the Director of Admissions and Registration for special admission. Approval may be granted if the applicant can demonstrate a potential to succeed in a curriculum offered by Wharton County Junior College. This demonstration consists of American College Test (ACT) or Scholastic Aptitude Test (SAT) scores that meet the prerequisites for college-level courses.
4. Admission by transferring credits from another institution. The student’s official transcript must be sent directly from all former colleges to the office of the Director of Admissions and Registration.

Students on scholastic probation at another institution and eligible to return to that college may be admitted to Wharton County Junior College in the status of scholastic probation provided they meet the other entrance requirements. Students on scholastic suspension at another institution may be admitted on scholastic probation if their grade-point averages for the last semester meet Wharton County Junior College's minimum standard (2.0) and they meet other admission requirements. In case of doubt about the academic status of the transfer students at another institution, Wharton County Junior College standards on probation and/or suspension are applied to the case. Students under scholastic suspension not qualifying for admission as above should review the section on scholastic suspension for information about special admission consideration.

**Early Admission for High School Students**

*Students are cautioned to guard against enrolling for college courses that are related to their areas of UIL competition and which might thereby endanger their eligibility for participation in the University Interscholastic League.*

As a means of recognizing superior high-school achievement, qualified high-school students are permitted to enroll in the summer session or concurrently with high-school enrollment and earn college credits applicable to the associate degrees. The following admission requirements must be met:

1. Completion of the sophomore year in high school.
2. Recommendation by the high-school principal.
3. Consent of parent if student is under 18 years old.
4. Meets the Texas State Initiative as required by the Texas Higher Education Coordinating Board.

The student should submit a completed WCJC admissions application, a completed Certification for Early Admission form (available in the admissions and registration office), and documentation of test scores to the Office of Admissions and Registration.

The Office of the Director of Admissions and Registration evaluates the application and notifies the student of acceptance or rejection. The student may appeal the decision if the case meets the criteria for appeal stipulated in Reg. 591, Student Grievances.
Admission for International Students

Wharton County Junior College welcomes international students who demonstrate fluency in both written and spoken English in addition to satisfying regular admission requirements. Evidence of English proficiency may be demonstrated in one of the following ways:

1. Earning a TOEFL score of at least 525. (197 on computer based, or 75 internet based TOEFL)
2. Earning a score of at least 9 at an ELS Language Center.
3. Completing the advanced level at the Intensive English Center at the University of Houston.
4. Completing Level 6 at the Intensive English Center at the University of Houston-Downtown.

All international students are required to register at the Office of the Director of Admissions and Registration on the Wharton campus on the official dates for registration that are stated in the current Wharton County Junior College calendar. They must register for classes that require student presence on campus throughout the five-day college week.

International students must submit a signed statement guaranteeing the availability of adequate finances to pay all expenses while enrolled at Wharton County Junior College. Housing is limited on campus. Prospective students who wish to attend classes on the Wharton campus are encouraged to contact the Dean of Student Services (979)532-6387 for a list of available housing at least three weeks prior to registration.

International students who transfer from other institutions must fulfill regular entrance requirements for international students. International students must have attended the college that issued the initial I-20 for at least two semesters and be in good standing with a cumulative GPA of 2.0.

General Admission Procedures

Persons desiring admission to Wharton County Junior College, by any method of admission, should file the following with the Director of Admissions and Registration prior to registration:

1. An Application for Admission. On the WCJC website, www.wcjc.edu, you may submit your application online at Applytexas.org or print a paper form at Application for Admission Form.
2. If enrolling by transfer, an official transcript from each college attended
is required.

3. THEA test scores (or state-approved alternative test scores) or proof of THEA exemption. (These test scores are not used as a condition of admission, but rather, for advisement and placement purposes.)

4. Test scores for other standardized tests such as ACT and SAT.

**Residency Information and Requirements**

Students are classified as Texas residents or non-Texas residents for the purpose of assessing matriculation and tuition fees. Texas residents must be further classified as either in-district or out-of-district residents.

**Texas Resident.** In general, an adult who has resided continuously within the State of Texas for twelve months prior to his original registration. Or if a minor, one whose parent(s) or legal guardian meets this qualification. This classification is defined by the State Auditor's Office and must be adhered to by the college.

**Non-Resident.** A student who does not qualify as a Texas resident.

**In-District Resident.** In general, an adult who as a Texas resident has resided continuously within, and paid property taxes to, the Wharton County Junior College District (Wharton County and the Needville Independent School District) for six months prior to his original registration, or if a minor, one whose parent(s) or legal guardian meets this qualification. Occasionally, in fringe areas, the question of residency will have to be determined by whether or not WCJC taxes are paid on ones home.

**Out-of-District Resident.** A Texas resident who does not qualify as an in-district resident.

**Proof of Residency**

Section 54.051(b) of the Texas Education Code requires documentation of residency for persons enrolling in public institutions of higher education.

Persons classified as residents are required to provide proof that they are entitled to be so classified and to agree to notify the proper institutional official if for any reason the classification becomes inappropriate.

In addition to documenting residency, WCJC is responsible for reviewing enrollment or registration applications for errors, inconsistencies, or misclassification of residence status. Written documentation to resolve any problems noted is required, and a copy of such is maintained in the student's file.
for audit review.
Further, at minimum, each institution must file and maintain a copy of one or more appropriately dated documents that certify that the student classified as a resident has a legal right to such classification as of the official census date of the semester or term for which the student is enrolling. Documents acceptable for this purpose include but are not limited to:

1. Texas high-school transcript.
2. Employer statement of date of employment.
3. Permanent driver's license (at least one year old). Generally the license expiration date minus date of enrollment should not exceed three years.
4. Texas voter registration card (at least 180 days old for in-district classification).
5. Lease agreement that includes student's name and periods covered.
6. Property tax payments.
7. Canceled checks.

Additional information concerning admissions is available by contacting the Office of the Director of Admissions and Registration at (979) 532-6303.

Registration

Registration information, procedures, and deadlines for college credit and continuing education students are published in the printed class schedules. Each student, by registering, pledges acceptance of the rules and regulations of the college.

Students may register for credit classes on the web, or in-person, at times specified in the schedule booklets. Registration dates are also listed on the web at www.wcjc.edu.

Registration should be completed prior to the beginning of classes. Due to unexpected circumstances a limited number of drop/adds and/or late registrations will be possible during the first three days in a regular semester or the first day of a summer term.

Students may register for a maximum of 19 credit hours in fall and spring semesters and 14 credit hours in the summer (both sessions combined). Students who wish to register for additional hours must have written permission from the Vice President of Instruction.

Courses may be added and/or dropped only during periods indicated in the college's academic calendar. Classes dropped after the census date and before the official withdrawal date are recorded with the letter "W" on the student's permanent record.
Testing, Placement, Credit Granting

The Texas Education Code requires that all students who enter public institutions of higher education take a state basic-skills test referred to as the THEA test. The results of the THEA test are used for course placement. Each undergraduate student, unless otherwise exempt, who enters a public institution of higher education must be tested for reading, writing and mathematics skills prior to enrolling in any collegiate-level coursework. The unit cost of each test shall be borne by the student.

Unless a student is in a THEA-waived certificate program or is THEA-exempt, the student must take a THEA test, QUICKTHEA, or the alternative test administered by the college before registering. Test scores are used to place students in appropriate classes and have no bearing upon admission to Wharton County Junior College.

Students may demonstrate reading, writing, and mathematic skills in one of two ways:

1. Scores set by the Texas Higher Education Coordinating Board on the Texas Higher Education Assessment (THEA) test.
2. Scores set by the Texas Higher Education Coordinating Board on approved alternative tests (ASSET, COMPASS, ACCUPLACER).

If a student is in a certificate program or is THEA exempt, he/she will be advised according to ACT, SAT, or locally administered tests.

A student may not enroll in any upper-division course, the completion of which would give the student 60 or more semester credit hours or the equivalent, until the student's test results meet or exceed the minimum standards for all sections of THEA. Other assessment procedures may be used in exceptional cases to allow a student to enroll in upper-division courses in cases where student test results do not meet minimum standards (Texas Education Code, Sec. 51.306).

THEA Exemptions

Students are EXEMPT from THEA if they have one of the following:

*These are exemptions from state mandated testing only. It may still be necessary to meet institutional prerequisites or testing requirements.

1. An earned Associates Degree, Bachelor’s Degree, or Master’s Degree from an accredited public institution in the state of Texas.
2. SAT combined total score of 1070, or higher, with a minimum of 500
in both the math and critical reading (verbal) taken within the time limits defined by the THECB rule – 5 years from the date of testing.

3. ACT composite of 23, or higher, with a minimum of 19 on both the math, and English, taken within the time limits defined by the THECB rule – 5 years from the date of testing.

4. TAKS minimum score: 2200 on the math and/or ELA, with a writing sub-score of 3, for a period of 3 years from the date of testing.

5. If a student is enrolled in a one-year certificate program, he or she is THEA-waived while in that program, with the exception of Vocational Nursing.

6. If a student is serving in the military (active duty), the Texas National Guard, or as a member of a reserve unit and has been serving for at least three years preceding enrollment.

7. If 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.

8. Met the requirements at another college or university as indicated on the transcripts.

9. Student is enrolling in a Level-One certificate program, 42 or fewer semester credit hours (SCH). Students who attempt to enroll in SCH outside of the Level-One certificate MUST be assessed prior to enrolling.

10. Has a “C” in ENGL 1301 or 1302, a “C” in college-level Math and a “C” in History, Government, or Psychology from an out of state or private university.

**Testing Information**

Beginning students who have not taken the THEA test or one of the approved alternative tests may call the WCJC Testing Center at (979)532-6386 to make an appointment for testing. This should be done at least one month prior to registration.
Developmental Education Plan to Comply with the Texas Success Initiative

In accordance with Texas Success Initiative guidelines, WCJC will assess each undergraduate student entering the institution (unless exempted) and determine if the student is “College Ready” in reading, writing, and math. Students who fail one or more sections of the THECB approved assessment instruments (determined by WCJC to be “Not College Ready” in one or more areas), may satisfy TSI requirements by the completion of an individualized developmental education plan.

More information regarding WCJC’s Developmental Education Plan is available in the counseling office on each campus. Students determined to be “Not College Ready” in reading must meet with an academic advisor prior to registering for courses.

Credit by Examination

Credit for selected courses at Wharton County Junior College may be obtained by special examinations in accordance with the following policies:

1. Credit by examination may not be acquired in courses in which the student is or has been enrolled for credit past the 12th class day of each semester or in an academic discipline in which the student has earned credit in a more advanced course.
2. No credit by examination is applicable until the student has earned an equivalent number of hours at Wharton County Junior College.
3. Not more than sixteen semester hours may be earned by examinations in transfer courses nor more than twenty-two semester hours in vocational or technical classes.

Wharton County Junior College grants credit through examination for the programs listed below:

College Board’s Advanced Placement

Grades of A, B, or C (corresponding to scores of 5, 4, or 3, respectively) are granted by Wharton County Junior College for the College Board’s advanced placement exams.
Advanced Placement Examination | WCJC Courses and Credit in Semester Hours
---|---
Biology | Biology 1406 and 1407 (8 hours)
Chemistry | CHEM 1411 and 1412 (8 hours)
English | ENGL 1301 (3 hours)
Mathematics | MATH 2312 and 2413 (7 hours)
Physics | PHYS 1401 and 1402 (8 hours)
U.S. History | HIST 1301 and 1302 (6 hours)

College Level Subject Examination Program (CLEP)

College Level Subject Examination Program (CLEP) tests are administered on the WCJC campus by special appointment with the Testing Center (979)532-6386. A fee of $70, payable to CLEP, and $15, payable to WCJC Business Office, is required for each CLEP examination. (Total cost of $85 per CLEP exam). Grades of A, B, or C (corresponding to scores of 70-79, 60-69, or 50-59, respectively) are granted with credit in the following courses.

<table>
<thead>
<tr>
<th>CLEP Subject Test</th>
<th>WCJC Courses and Credit In Semester Hours*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>CHEM 1411 and 1412 (8 hours)</td>
</tr>
<tr>
<td>English Composition</td>
<td>ENGL 1301 (3 hours)</td>
</tr>
<tr>
<td>U. S. History I, II</td>
<td>HIST 1301 and 1302 (6 hours)</td>
</tr>
<tr>
<td>Western Civilization I, II</td>
<td>HIST 2311 and 2312 (6 hours)</td>
</tr>
<tr>
<td>Precalculus</td>
<td>MATH 2312 (3 hours)</td>
</tr>
<tr>
<td>College Algebra</td>
<td>MATH 1314 (3 hours)</td>
</tr>
<tr>
<td>Calculus I</td>
<td>MATH 2413 (4 hours)</td>
</tr>
<tr>
<td>Introductory Macroeconomics</td>
<td>ECON 2301 (3 hours)</td>
</tr>
<tr>
<td>Introductory</td>
<td>ECON 2302 (3 hours)</td>
</tr>
</tbody>
</table>
Microeconomics
Introduction to General Psychology
Life Span/Growth & Dev
Introduction to Sociology
Spanish

*The maximum number of semester credit hours that may be earned by exam is 16.

Other Credit by Exam Options

Grade of A in English 1301 (three semester hours) is granted based upon an English Enhanced Score of 31 or more on the American College Test (ACT) or a score of 670 or more on the Scholastic Aptitude Test (SAT-I) Verbal.

Locally constructed tests for advanced placement credit are administered at the testing center or on campus if requested. Inquiries should be made to the head of the appropriate department for information about examinations. A fee of $12 per semester hour is required for these advanced-placement tests.

Credit for International Coursework

WCJC will grant credit (grade of A) on International Baccalaureate Higher Level (unless noted otherwise) tests for the following courses:

<table>
<thead>
<tr>
<th>IB Higher Level Exam</th>
<th>Minimum Score Required</th>
<th>WCJC Courses</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>4</td>
<td>BIOL 1406</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>BIOL 1406 and 1407</td>
<td>8</td>
</tr>
<tr>
<td>Chemistry</td>
<td>4</td>
<td>CHEM 1411</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>CHEM 1411 and 1412</td>
<td>8</td>
</tr>
<tr>
<td>Economics</td>
<td>4</td>
<td>ECON 2301</td>
<td>3</td>
</tr>
<tr>
<td>English: Lang A</td>
<td>4</td>
<td>ENGL 1301</td>
<td>3</td>
</tr>
<tr>
<td>Fundamentals of Music</td>
<td>5</td>
<td>MUSI 1301</td>
<td>3</td>
</tr>
<tr>
<td>German Language</td>
<td>4</td>
<td>GERM 1411 and 1412</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>GERM 1411, 1412, 2311,</td>
<td></td>
</tr>
<tr>
<td>Subject</td>
<td>Credit Hours</td>
<td>Course Details</td>
<td></td>
</tr>
<tr>
<td>-------------------------</td>
<td>--------------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>Math (Standard Level)</td>
<td>4</td>
<td>MATH 2312</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATH 2312 and 2413</td>
<td></td>
</tr>
<tr>
<td>Philosophy</td>
<td>4</td>
<td>PHIL 1301</td>
<td></td>
</tr>
<tr>
<td>Physics</td>
<td>4</td>
<td>PHYS 1401 and 1402</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>4</td>
<td>PSYC 2301</td>
<td></td>
</tr>
<tr>
<td>Spanish Language</td>
<td>4</td>
<td>SPAN 1411 and 1412</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>SPAN 1411, 1412, 2312</td>
<td></td>
</tr>
<tr>
<td>Visual Arts</td>
<td>5</td>
<td>ARTS 1311</td>
<td></td>
</tr>
</tbody>
</table>

*For IB the maximum number of credit hours awarded will be 24. An equal number of hours must be earned in ‘face-to-face’ classes at WCJC before credit will be awarded.*
Financial Information

Tuition and Fees
Tuition and fees must be paid at the time of registration each semester. Tuition and fees are charged according to the number of semester credit hours (SCH) a student enrolls in. Minimum tuition for an in-district or out-of-district resident is $50, and minimum tuition for an out-of-state or foreign resident is $200. Minimum out-of-district student fee is $50.

WCJC Tuition and Fees*

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Per SCH</th>
<th>3 SCH</th>
<th>6 SCH</th>
<th>9 SCH</th>
<th>12 SCH</th>
<th>15 SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-district</td>
<td>32.00</td>
<td>96.00</td>
<td>192.00</td>
<td>288.00</td>
<td>384.00</td>
<td>480.00</td>
</tr>
<tr>
<td>Out-of-district</td>
<td>32.00</td>
<td>96.00</td>
<td>192.00</td>
<td>288.00</td>
<td>384.00</td>
<td>480.00</td>
</tr>
<tr>
<td>Out-of-state</td>
<td>64.00</td>
<td>200.00</td>
<td>384.00</td>
<td>576.00</td>
<td>768.00</td>
<td>960.00</td>
</tr>
</tbody>
</table>

Fees

<table>
<thead>
<tr>
<th>Fees</th>
<th>In-district</th>
<th>3 SCH</th>
<th>6 SCH</th>
<th>9 SCH</th>
<th>12 SCH</th>
<th>15 SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bldg use fee:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In-district</td>
<td>6.00</td>
<td>18.00</td>
<td>36.00</td>
<td>54.00</td>
<td>72.00</td>
<td>90.00</td>
</tr>
<tr>
<td>Out-of-district</td>
<td>12.00</td>
<td>36.00</td>
<td>72.00</td>
<td>108.00</td>
<td>144.00</td>
<td>180.00</td>
</tr>
<tr>
<td>Out-of-dist student fee</td>
<td>40.00</td>
<td>120.00</td>
<td>240.00</td>
<td>360.00</td>
<td>480.00</td>
<td>600.00</td>
</tr>
<tr>
<td>General services</td>
<td>26.00</td>
<td>78.00</td>
<td>156.00</td>
<td>234.00</td>
<td>312.00</td>
<td>390.00</td>
</tr>
</tbody>
</table>

Total Tuition and Fees

<table>
<thead>
<tr>
<th></th>
<th>In-district</th>
<th>3 SCH</th>
<th>6 SCH</th>
<th>9 SCH</th>
<th>12 SCH</th>
<th>15 SCH</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-district</td>
<td>64.00</td>
<td>192.00</td>
<td>384.00</td>
<td>576.00</td>
<td>768.00</td>
<td>960.00</td>
</tr>
<tr>
<td>Out-of-district</td>
<td>110.00</td>
<td>330.00</td>
<td>660.00</td>
<td>990.00</td>
<td>1,320.00</td>
<td>1,650.00</td>
</tr>
<tr>
<td>Out-of-state</td>
<td>142.00</td>
<td>426.00</td>
<td>852.00</td>
<td>1,278.00</td>
<td>1,704.00</td>
<td>2,130.00</td>
</tr>
</tbody>
</table>

*Tuition, fees and dormitory charges are subject to change without notice by action of the Board of Trustees or the state legislature.

Applicable Fees

<table>
<thead>
<tr>
<th>Fee</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late Registration Fee</td>
<td>$25</td>
</tr>
<tr>
<td>Change-of-Schedule Fee</td>
<td>$15</td>
</tr>
<tr>
<td>Returned-Check Fee (charged for each check returned)</td>
<td>$25</td>
</tr>
<tr>
<td>Distance Education Fee</td>
<td>$44</td>
</tr>
<tr>
<td>CLEP Advanced Placement Test Fee ($70 CLEP and $15 WCJC)</td>
<td>$85</td>
</tr>
<tr>
<td>Fee for Locally Constructed Test (credit-by-exam), per semester hour</td>
<td>$12</td>
</tr>
<tr>
<td>Lab Fee $10 to $20</td>
<td></td>
</tr>
</tbody>
</table>
Tuition Installment Plan

Students may pay in full at the time of registration, or they may pay on the installment plan as follows:

*Available Fall and Spring semesters only.

Prior to the 1st day of class 50% of tuition and fees plus a non-refundable $35 fee
Prior to the start of the 6th class week ..........................25% of tuition and fees
Prior to the start of the 11th class week .........................25% of tuition and fees

A $35 fee will be assessed for each late installment payment. Installment plans must be executed prior to the first class day. Late registrants are not eligible for the installment plan.

Room and Board Fees
(Includes 8.25% sales tax)

Room in Brooking Dorm (for women).......................... $300 per semester
Room in Mullins Hall (for women) .............................. $300 per semester
Room in Frankie Hall (for men) .................................. $300 per semester
Board in the College Cafeteria................................. $1,100 per semester
Total................................................................. $1,400 per semester

All dormitory students are required to take the cafeteria board plan. A resident student must qualify as a full-time student (12 or more semester hours) to live in a residence hall. (Reg. 513)

Room charges and the first board payment are due and payable at the time of registration and must be paid before occupancy is permitted. Students are required to show their receipts for payment to be admitted to dorms.

Payments for board may be made in advance of each semester or in three payments (as shown below). Students who fail to pay their board fees by the deadline are assessed a $50 late fee for the second payment and a $100 late fee for the final payment, their college records are placed on hold (not released) until all payments are made in full, and they may not register for subsequent semesters until all payments are made in full.

Fall Semester, Room and Board Installment Plan

Deposit: ................................................................. $100
First payment: when student moves in........................ $700
Second payment: October 1 (*$50 late fee applicable) .... $350
Third payment: November 1 (*$100 late fee applicable) .... $350
*Maximum late fee for both payments.......................... $150
Spring Semester, Room and Board Installment Plan

Deposit: .......................................................... $100
First payment: when student moves in.............................. $700
Second payment: February 1 (*$50 late fee applicable) .............. $350
Third payment: March 1 (*$100 late fee applicable) ................... $350
*Maximum late fee for both payments..................................... $150

Dormitory residents are required to make a deposit of $100 to reserve a room and to cover possible property damages. To cancel room reservations, refunds must be requested in writing to the Housing Department on or before the first day of classes. Returning residents must make additions to their deposit (if damages were withheld) to equal $100 prior to each semester in which they return as a resident. For non-returning residents, the deposit is refundable at the end of the semester upon written request of the student, if all provisions of the housing contract have been satisfied. A student who vacates the dorm because of withdrawal from WCJC or graduation will have up to 12 months from the end of the semester to request the return of the deposit. If not requested within this time period, the deposit will be forfeited to the college.

Dormitory and room assignments are made according to the date the deposit is received. All efforts are made to accommodate student requests for dormitory and/or roommate preference.

Three meals a day are served Monday through Friday, two meals on Saturday, and one meal on Sunday, except for holidays. The snack bar is open at scheduled times on weekdays. Dormitories and the cafeteria are closed during official college holidays as specified in the college's academic calendar, and during these holidays students are expected to arrange for other housing and meals. Dormitory and cafeteria charges are subject to change without notice by action of the Board of Trustees.

Students should consult the WCJC Student Handbook and residence-hall supervisors regarding dormitory regulations.

Students may request further information or make application by contacting the Office of Student Services at (979) 532-6389, or mailing the Housing Application form in this catalog to the Office of Student Services, Attn: Housing.

Refunds

Regulations of the Texas Higher Education Coordinating Board govern refunds. Refunds for drops and withdrawals from the college are not made at the time of withdrawal. Approximately eight weeks after the start of a semester, a check is
mailed to the address left by the student. Students who officially drop a course or withdraw from all classes are granted refunds of tuition and mandatory fees according to the following schedule:

**Refunds, Fall and Spring Semesters**

Prior to the first class day ................................................................. 100%
During the first 15 class days ......................................................... 70%
During the 16th through 20th class days ....................................... 25%
After the 20th class day ................................................................. None

**Refunds, Summer Sessions**

Prior to the first class day ................................................................. 100%
During the first 5 class days ......................................................... 70%
During the 6th class day ................................................................. 25%
After the 6th class day ................................................................. None

**Refunds, Continuing Education**

The college’s refund policy for continuing-education classes is as follows:

1. Students requesting refunds at least three full working days prior to the first class meeting receive a 100% refund of all tuition and fees unless an earlier refund date is published for an individual course, seminar, workshop, conference, or other noncredit offering or program.

2. No refund of tuition or fees is issued for requests received fewer than three full working days prior to the first class meeting unless a different refund date is published for an individual noncredit offering.

**Refunds, Room and Board**

When a student is dismissed from the residence hall or vacates the residence hall for any reason during the semester, the board payment and room rent will not be refunded.

**Delinquent Accounts and Records**

Students are required to complete all admissions records, to return all college-owned property, and to make payment of tuition, fees, and fines owed the college or grades and transcripts will be withheld.

Note: Requests for student information must be authorized in person or in
writing by the student.

Parking

Students who park motor vehicles at any WCJC location must register their vehicles and receive a parking permit. The parking permit must be attached to the rearview mirror in accordance with college instructions. Violators of college traffic and parking regulations are subject to fines and/or other appropriate disciplinary action. Illegally parked motor vehicles are subject to towing at owner's expense. Parking and traffic regulations are set forth in detail in the Student Handbook.

Textbooks and Supplies

Barnes & Noble operates bookstores on the Wharton, Sugar Land, and Fort Bend Technical Center campuses for the convenience of students. Used and new books are sold at the beginning of the semester. At the end of the semester, those books that are to be continued as textbook selections may be purchased from owners for resale. The bookstores also handle the supplies required for the courses offered.

Financial Aid

The financial aid program at Wharton County Junior College is designed to provide financial aid through scholarships, grants, loans, and on-campus employment. Inquiries concerning student aid should be addressed to the Student Financial Aid office at (979) 532-6345. Applications for Financial Aid should be completed accurately and received in the Financial Aid Office along with any additional required forms by the priority deadline.

Financial aid eligibility is determined for only one year at a time. All approvals are based on the assumption that Congress will appropriate funds for the various programs; consequently, approved aid terminates if money is not allocated to Wharton County Junior College.

To be eligible for financial assistance, a student must (1) be accepted for enrollment (if a new student) or, if currently enrolled, be in good standing; (2) not be in default on any student loan; (3) not owe a refund on a grant previously received at any institution; and (4) meet Wharton County Junior College’s satisfactory academic progress policy.

Satisfactory Academic Progress Policy for Financial Aid

A student at Wharton County Junior College must maintain satisfactory progress to be eligible for financial assistance which includes grants, work-study and
Satisfactory academic progress for financial aid at Wharton County Junior College must be maintained in two areas: (1) Qualitative and (2) Quantitative. The qualitative and quantitative standards used to judge academic progress must be cumulative and will include all periods of the student’s enrollment in post-secondary education. Periods in which the student did not receive student financial aid funds must and will be counted. Students who have attended other post-secondary institutions will have all hours evaluated the same as if these hours had been attempted at WCJC.

1. **Qualitative.** A student must maintain a grade point average (GPA) of 2.0 both cumulative and for each semester/term. If the student falls below the minimum GAP, they are placed on financial aid probation for the following semester.

2. **Quantitative.** Students must complete at least 70% of attempted course work during the previous semester. Failure to complete 70% of attempted course work will result in financial aid probation. Hours complete do not include the following: F, I, W, WP, WF, or IP. These hours will be counted as hours attempted. Students who receive all F, W, WP, WF, IP’s or a combination of these will be placed on automatic financial aid suspension.

3. **Limitations to Financial Aid Eligibility (Maximum Hours).** A student with 90 or more attempted hours will not be eligible for financial aid. Grades of F, I, W, WP, WF, or IP will be counted as hours attempted. These guidelines apply to all students regardless of whether or not financial aid was received.

4. **Reviews.** The Financial Aid Office will review student progress at the end of each semester. Students are responsible for checking their status using the online services feature located on the WCJC website.

5. **Financial Aid Probation.** A student may receive aid for one semester while on financial aid probation. Failure to achieve a 2.0 semester/term and cumulative GPA or successfully complete 70% of the courses attempted while on financial aid probation will result in the student’s financial aid being suspended for the following semester.

6. **Financial Aid Suspension.** To be reinstated for financial aid, the student must enroll for a minimum of six (6) semester hours and raise their semester/term and cumulative GPA to 2.0, and must fulfill the satisfactory progress requirements in items I and II.
7. Appeals. Any student who has been placed on financial aid suspension or denied aid may appeal in writing to the Office of Financial Aid. Any supporting documentation to substantiate the appeal (i.e., employer statements, physician statements, etc.) must be presented at the time of the written appeal request. Appeals will be referred to the Financial Aid Appeals Committee for resolution. A student who is granted aid through the appeals process will be placed on financial aid probation for the following semester of enrollment. Notice of scheduled appeal meetings will be posted on the WCJC website. Students are responsible for checking the decision of the appeal committee using the online services feature on the WCJC website.

8. Defaulted Loans. Any student, who has a prior defaulted student loan, whether obtained at WCJC or another institution, is not eligible to receive additional federal loans for attendance at WCJC. Students may appeal this policy in writing to the Financial Aid Appeals Committee as outlined in step VII.

Wharton County Junior College does not discriminate on the basis of race, color, age, marital status, national origin, religion, sex, or disability.

Application Procedure

Each student requesting consideration for financial assistance during the school year (fall semester through summer session II) must complete and file a current Free Application for Federal Student Aid (FAFSA). This application is available from online at www.fafsa.ed.gov.

Students who have attended other post-secondary institutions must supply the Financial Aid Office with Academic Transcripts from each institution attended.

Information obtained from the Student Aid Report and the Student Data Form is used to determine the student’s financial need and the types of awards for which the student qualifies. Awards made through WCJC’s Office of Student Financial Aid fall into two categories: (1) gift aid, which includes grants and/or scholarships; and (2) self-help funds, which include the College Work-Study Program and long-term educational loans. The amounts offered as a financial-aid award plus the student’s resources and those of the parents (if the student is dependent according to the Federal Government’s guidelines) cannot exceed the cost of attendance as determined by the Office of Student Financial Aid.

Federal law requires that actual (not estimated) financial information be included on the Free Application for Federal Student Aid.
After establishing the student’s financial need, the Office of Student Financial Aid constructs a financial-aid package. This package may be a combination of grants, college work-study, and/or loans. After the application has been reviewed and processed, all applicants are notified by mail of their eligibility.

Award Policy. Eligible full-time students may receive awards to help cover the cost of tuition, fees, books, and other necessary expenses in the form of a financial-aid package. Awards will be adjusted according to hours of enrollment for students taking less than a full-time course load.

**Priority Deadlines**

Applications for financial aid should be completed accurately. They should be received in the Financial Aid Office along with the additional required forms by the following dates:

- Fall semester ........................................... June 1
- Spring semester ........................................ November 1
- Summer semester ..................................... April 1

**Plan Ahead.** Allow eight to twelve weeks prior to the deadline date to process financial aid application forms. The Financial Aid Office will continue to process files completed after the deadline; however, it cannot assure that aid will be available at registration. **Corrections to an application or verifying unusual conditions delays processing.**

**Refund Policy.** Federal regulations require return of funds for all students who receive Federal Title IV aid and subsequently withdraw during a payment period (i.e. a semester). The length of time during which a return of funds is calculated is up to sixty percent (60%) of the semester. Students not receiving federal funds are subject only to Wharton County Junior College’s refund policy.

The refund is applied to their financial-aid awards in the following order:

1. Federal Unsubsidized Stafford Loan
2. Federal Stafford Student Loan
3. Federal Plus Loan
4. Federal Pell Grant
5. Federal Supplemental Education Opportunity Grant
6. Other state and local aid

Wharton County Junior College makes all refunds in compliance with current federal regulations.
Grants

Federal Pell Grants (formerly Basic Grants), authorized by the Higher Education Act of 1972, provide assistance to needy undergraduate students. Unlike a loan, the Pell Grant does not have to be repaid.

The Federal Supplementary Educational Opportunity Grants (FSEOG) program is intended for students of all levels of academic performance. The primary criterion for student eligibility for SEOG is financial need by the student who, without the grant, would be unable to continue his or her education.

The Texas Public Education Grant (TPEG) program is funded through tuition payments and is available for students with exceptional financial need.

The TEXAS Grant (Towards Excellence, Access, and Success) program was established to provide need-based financial aid to Texas students who completed a college-preparatory curriculum in high school. To be eligible for this grant, students must be a Texas resident who graduated from a public or accredited private high school and must enroll within 16 months after graduation from high school. In addition, students must show financial need with an EFC of less than 4000 to be initially eligible to apply. This is a grant that is continuous for 150 hours or 6 years provided that the student continues to maintain a 2.5 GPA and completes 75% of his/her attempted courses.

The Texas Educational Opportunity Grant (TEOG) program was established to provide grant money to enable well-prepared eligible students to attend public community colleges, technical colleges or public State colleges in Texas. To be eligible for this grant the student must be a Texas resident that has financial need and is applying for his/her first award. The student’s expected family contribution cannot be more than $2000. To be eligible for this grant the student cannot have been convicted of a felony and must be enrolled for at least half time. This grant is continuous for up to 75 semester hours, for four years, or until the student receives an associate’s degree, whichever comes first. To remain eligible the student must maintain a 2.5 GPA and complete 75% of his/her attempted courses.

Changing Schools

Financial Aid does not automatically transfer when a student transfers to another school. Students should contact the Financial Aid Office at the new school as soon as you decide to transfer.
Scholarships

The following scholarships are awarded by Wharton County Junior College. Applications should be directed to the Student Financial Aid Office (979) 532-6345.

The Rachel Haden Abshier Memorial Scholarship has been endowed by Mrs. Priscilla Sliva, daughter of Rachel Haden Abshier, her family, and friends. Income from the fund will provide a scholarship to a Wharton High School graduate who will be majoring in nursing at Wharton County Junior College.

The Sol and Betty Alpard Endowment Scholarship Fund was established in January 1983, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The American Association of University Women Scholarship was established in July 1973. It is awarded to a female student on the basis of need and scholastic ability. Both freshman and sophomore students are eligible for the scholarship.

The Zula Mae Baker Scholarship fund has been endowed by the friends of Ms. Baker.

The Barnes and Noble Endowed Scholarship was established by the Barnes and Noble Bookstore in 1993, to assist returning sophomore students holding a minimum 3.5 GPA for previous work at WCJC.

The Don Baylor Memorial Chemistry Scholarship was established by Mrs. Don Baylor and Mr. Jack Brannon in memory of Mr. Don Baylor, a long-time chemistry teacher at Wharton County Junior College. The amount of the scholarship is up to $400 per semester. Need and scholastic ability to profit from a college education are the bases upon which the award is made.

The Virgie and W. H. Blaylock Memorial Scholarship Fund was established by Virgie C. Krueger Blaylock of Wharton, Texas, as a memorial to her late husband, W. H. Blaylock. The income from this endowment is used to provide scholarships to high-school graduates from Jackson, Matagorda, and Wharton counties.

The C. Francis Bowie and May Shelmire-Duncan Memorial Scholarship was endowed by Mr. and Mrs. G. Cameron Duncan, Sr.; their sons, G. Cameron Duncan, Jr. and Francis Bowie Duncan; and their daughters, May S. Duncan and Genevieve L. Duncan to honor their parents and
grandparents, Mr. Francis Bowie Duncan and Mrs. May Shelmire-Duncan. Mr. and Mrs. Duncan were pioneer ranchers and cattle breeders in Wharton County near the town of Egypt. The permanent endowment provides annual scholarship assistance to students from the Egypt area selected by the Wharton County Junior College Scholarship Committee.

The Melissa Chambers Scholarship Fund was endowed by donations from family and friends. Income from the fund provides one scholarship annually to qualified students.

The L. E. Colton Scholarship was established by the late Mr. L. E. Colton, former owner of Wharton Electric and Plumbing Company. Since 1960, this endowment has made scholarships available to residents of the Wharton County Junior College District. Need and ability to profit from a college education are the bases upon which the awards are made.

The Duncan Wills Corbett Endowed Scholarship was established in May, 2005 and the proceeds are used to assist students in the nursing program and attending the Wharton Campus.

The H.O. Galloway Memorial Scholarship was established by family and friends in memory of Mr. H. O. Galloway, a long-time agriculture instructor at Wharton County Junior College. Proceeds from the endowment are used to fund a scholarship for a deserving agriculture student.

The T. Gordon Endowment Scholarship was established in November 1963 by Mr. Toby Gordon, who was interested in providing financial aid to deserving students. Under the terms of the endowment, interest from $1,000 is used annually for a scholarship. This scholarship is open to either freshman or sophomore students.

The Harold Hansen Endowment Scholarship was established in 1982, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The Chester Harris Endowment Scholarship was established in 1983, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The W.C. Hastings Family Scholarship was endowed by Mr. and Mrs. W. C. Hastings and their sons, Robert C. and William L. Hastings. Income from the fund provides three scholarships annually to qualified students in vocational nursing, pre-pharmacy, associate degree nursing, or other health-related fields.
The **Charles Hermansen Memorial Scholarship** was established in January 1985, and the proceeds are used to assist students who are graduates of El Campo High School based upon need and ability to profit from a college education. The scholarship is awarded by El Campo High School.

The **Mary Jo Hlavinka Scholarship** was established in 1991 and is awarded to a music major who has completed the freshman curriculum at Wharton County Junior College. The scholarship is based on talent, attitude, extent of participation in college concerts, and grade-point average.

The **M.G. and Lillie A. Johnson Scholarship Fund** was established in 1988 by the trustees of the M. G. and Lillie A. Johnson Foundation of Wharton. The proceeds of this permanent endowment are used each year to provide scholarship support to students enrolled in medically related programs at the college. Applications are made to the Director of Financial Aid, and scholarship recipients are named by the WCJC Scholarship Committee.

The **Harris and Eliza Kempner Scholarship** was established in 1988, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Minnie Koons Endowment Scholarship** was established in 1985, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Julius LaDieu Industrial Trades Scholarship** was established in 1988 by Lucy LaDieu and friends, and the proceeds are used to assist students in the industrial trades based upon need and ability to profit from a college education.

The **Donald Paul Losack Endowed Scholarship and The Martha V. Losack Endowed Scholarship** was established in 2006, by Donald Losack to also honor his mother. The proceeds are used to assist students whose families reside in areas served by Wharton County Junior College.

The **Lucy Macha LaDieu Endowed Scholarship for Women in Business Vocations** was established to assist women who reside in the WCJC taxing district, who desire a career in a business-related discipline, who need additional financial assistance, and who desire to earn the Associate of Applied Science degree.

The **Linnie Leroux Endowment Scholarship Fund** was established in April 1983 with $5,000 (with interest earned) bequeathed to the college for the purpose of providing scholarships to needy individuals seeking to enter Wharton County Junior College.
The Wilma Mason Memorial Scholarship was endowed by Mr. E. O. Mason and friends in memory of his wife and their esteemed friend, Mrs. Wilma Mason, to provide scholarship assistance to students in a nursing program.

The William R. McAllister Memorial Scholarship was established in December 1993 in memory of Dr. William R. McAllister by his many friends, students, and family. Dr. McAllister was a respected scholar in his field of study and admired by all who knew him. The income from this endowment is used to assist students based upon need and scholastic ability.

The Irving Moore, Jr. Memorial Scholarship was established in 1998 by the Trustees of the M. G. and Lillie A. Johnson Foundation. Recipients must attend the college’s main campus in Wharton.

The Jessie L. Myatt and Minnie Mae Myatt Endowment Fund is an endowment of $50,000 which was given to the college in February 1983. The interest earned from the cash contribution is used to provide assistance to deserving students who reside within the Wharton County Junior College District and who have attained a 2.0 or better GPA or is used to purchase instructional program equipment. The specific disposition of the fund is determined by a committee appointed by Minnie Mae Myatt.

The Frances A. Nelson Scholarship was established in December 1987, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The Ney/Arnold Memorial Scholarship was established in 2003 by Kenneth and Betsy Arnold Cates in honor of her parents, Samuel E. “Hank” Arnold and Kitty Belle Ney Arnold. It is available to Eagle Lake residents who are Rice High School graduates.

The George H. Northington, Sr. Scholarship was established in 1961 in memory of one of Wharton County's pioneer settlers—George H. Northington, Sr., of Egypt, Texas. A gift of $4,000 was given anonymously by "one who benefited from Mr. Northington's help and encouragement." Income from the gift is used to pay tuition and fees for as many male students as possible that reside in Wharton and Colorado counties.

The Jerald W. and Anne K. Obenhaus Endowment Scholarship was established in 1982 in memory of Jerald W. and Anne K. Obenhaus of Bonus, Texas, by family members. This scholarship is available to high-school graduates on the basis of need and scholastic ability to profit from a college education. Recipients must reside in Wharton or Colorado counties. Application should be made to the Obenhaus Scholarship Fund, Box 433, East Bernard, Texas 77435.
The **Lawrence J. Petersen Endowed Scholarship** was established in memory of Lawrence J. Petersen who was a third generation cotton farmer in Danevang, Texas, who also served many years on the Board of Trustees of Wharton County Junior College.

The **Phillips-Hartmann Scholarship** was established in 1993 and is used to assist a graduate of Lamar Consolidated ISD based upon need, scholastic standing, and the ability to profit from a college education.

The **J. R. Peace Endowment Scholarship** was established in December 1966. Earnings from the endowment fund are used for a scholarship in the amount of $50 per semester for a sophomore student in a vocational-technical program.

The **Miriam Russ Powell Scholarship** was established by her family in her memory. Mrs. Powell was a dedicated teacher with the Wharton Independent School District and taught continuing education courses at Wharton County Junior College. The amount of the scholarship is $1000 per year. Recipients are selected by the WCJC Scholarship Committee.

The **Danny Preston Memorial Scholarship** was established by his parents, Mr. and Mrs. V. M. Preston. The award is made to a graduate of Wharton High School on the basis of need and ability to profit from a college education. The recipient is selected by the high-school principal and/or counselor. The amount of the scholarship is $100 per year.

The **Frank C. Prochaska Memorial Scholarship** has been endowed by the Frank C. Prochaska Family and Friends in memory of Frank C. Prochaska who was an Instructor of Economics at WCJC for 36 years. Because of Mr. Prochaska’s dedication to the field of education, this fund will provide one scholarship annually to students who graduate from Wharton or Boling High School who will benefit from the financial assistance while pursuing an education.

The **Betty and Lowell Raun Endowment Scholarship** was established in January 1988, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Mary Ann Rider Roades Memorial Scholarship** has been endowed by her husband of 54 years, Edgar Roades. Mary Ann graduated from Boling High School in 1947, and enrolled at Wharton County Junior College. There she met Edgar Roades a graduate of El Campo High School. Mary Ann was an outstanding student and became a member of the newly organized Zeta Xi Chapter of the Phi Theta Kappa fraternity of WCJC in February, 1948. Not only
was Mary Ann an outstanding student she was an outstanding person who was always full of love for her God, family and friends. A compassionate and generous person she was always available to provide assistance to anyone who needed her. Income from this endowment will provide assistance annually to at least one graduate from Boling High School, and at least one graduate from El Campo High School.

The **C. H. "Ham" Rugeley Nursing Fund** was established by donations of $4,000 in 1982. The interest earned is used to provide assistance for a nursing major (LVN or ADN) showing financial need and scholastic ability. Other conditions apply.

The **J. Daniel Schuhmann Endowment Scholarship** was established in 1988, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Betty and Lloyd Shoppa Scholarship** has been endowed by the family and friends of Betty and Lloyd Shoppa. Income from this endowment will provide assistance annually to at least one full-time student from the areas served by Wharton County Junior College.

The **Maner Stafford Endowment Scholarship** was first awarded as a scholarship in the fall of 1969 by Mr. and Mrs. Maner Stafford of Wharton. In 1979, the scholarship was altered to become a permanent endowment, establishing regular income to be used for scholarships. Selection of recipients is made each year by the WCJC Scholarship Committee.

The **Guy F. Stovall, Sr. Memorial Scholarship** awards two scholarships that were established by Mrs. Guy F. Stovall, Sr., and Mr. Guy F. Stovall, Jr. in memory of Mr. Guy F. Stovall, Sr. The amount of each scholarship is $300 per year. Need and ability to profit from a college education are the bases upon which the awards are made.

The **Florence M. Trull Memorial Scholarship Fund** was endowed by The Trull Foundation of Palacios and by Robert B. Trull, Margaret S. Trull, Jean Trull Herlin, Gladys Trull Brooking, and Laura Trull Shiflett to honor their mother, Florence Margaret Roberson Trull. Mrs. Trull was born in Kingman, Kansas, on August 7, 1888. After graduating from Washburn College in Topeka, Kansas, she married B. W. Trull and moved to Texas. They lived first in Midfield, then in Palacios on the Texas Gulf Coast. The Trulls were active in banking, farming, real estate, and mineral interests. Mr. Trull died in 1957; and Mrs. Trull passed away on December 13, 1984, after a short illness. Always a compassionate and generous person, Mrs. Trull, together with her children, established The Trull Foundation in 1967 for religious, charitable, and
educational purposes.

The Joe Mike Valenta and Becky Valenta Rolf Endowment Scholarship Fund was established in January 1977 in memory of Joe Mike Valenta. Income from the endowment is used to provide assistance to at least two students annually from the Boling Independent School District. Recipients are selected by the WCJC Scholarship Committee.

The W. W. Wendtland Music Scholarship was established in February 1988, and the proceeds are used to assist music students based upon need and ability to profit from a college education.

The Clinton Phillip White Memorial Scholarship has been endowed by his wife of 54 years, Wanda White. Clinton graduated from Boling High School in 1948 excelling in all sports activities and winning a scholarship to play football at Wharton County Junior College. It was at WCJC that Clinton met his future wife. Clinton was a football star and Wanda was a twirler at WCJC. Clinton was a dedicated employee of Texas Gulf Sulfur for 40 years. Clinton taught himself to play the trumpet and won a music scholarship to Sam Houston State University where he was spotlighted in their spirit that was loved by everyone. There were no limits to his interests in our world and his ability to express that compassion to all of those lucky enough to have been around him. Income form this endowment will provide assistance annually to graduates from Boling High School and from Wharton High School.

The Nancy Stephens Woodson Memorial Endowment Scholarship was established by the family of Nancy Stephens Woodson in 1998 and is awarded to one or more theatre students each year. Recipients are chosen by a committee from the WCJC Speech and Drama Department.

The Valedictorian Scholarship is offered to the highest-ranking graduate of every fully accredited high school in Texas by the Wharton County Junior College Board of Trustees. A tuition exemption for each semester of the freshman year will be offered. The superintendent or principal of the high school must certify the name of the honor graduate to the Texas Education Agency. Application is not necessary.

The Wharton County Junior College Alumni Association Scholarship was established by the Wharton County Junior College Alumni Association in 1993. It provides annual scholarship assistance in the amount of $600.00 to students who will benefit from a college education. Selection of scholarship recipient(s) is made by the Wharton County Junior College Alumni Association Scholarship Awards Committee appointed by the Association’s Board of Directors. Award of scholarship assistance is made without regard for race, color, creed, sex, or handicap. Applicants must use an Alumni Scholarship
The Wharton County Junior College Alumni Association Memorial and Honorarium Scholarships were established in 1998 in recognition of people who have helped the college’s alumni to achieve their goals. Scholarships are awarded by the Alumni Scholarship Committee. Scholarships are awarded based on grades, financial need, and area of interest. Applicants must use an Alumni Scholarship Form that may be obtained in the Financial Aid Office or the Alumni Office, both located on the Wharton campus.

The Wharton County Junior College Board of Trustees Scholarships are made available to outstanding students in the fields of music, athletics, drama, and art. These scholarships are awarded through competitive examinations and/or auditions. Arrangements should be made through the heads of WCJC’s Athletic Director or the Chair of the Communications and Fine Arts Division. All financial aid and other scholarships must be applied to tuition, fees, room and board before Board of Trustees scholarship money is applied.

The Wharton County Junior College Board of Trustees High Honor Scholarship was established by the Board of Trustees in December 1973. A High-Honor tuition and fee scholarship is awarded to high-school graduates who rank in the top five percent of their graduating class.

• Tuition and fee scholarships are awarded to full-time freshman students entering Wharton County Junior College who graduated from a public high school within the college service area (approximately 55 mile radius of the college). Weimar and Industrial High Schools are outside this radius but are considered within the Wharton County Junior College service area. Final decisions regarding fringe area schools are determined by the Financial Aid Committee.

• All financial aid and other scholarships must be applied to tuition, fees, room and board before Board of Trustees scholarship money is applied.

• Students must maintain a minimum of 3.0 grade-point average to retain the scholarship for the second semester.

The Wharton County Junior College Booster Club Scholarships were established in 1974. The awards are made each year to residents of the Wharton County Junior College District and are based on need and educational potential.

Other Scholarships

The following scholarships are available to qualified applicants. Applications should be made directly to the donors.
ADN Club Scholarship Fund, Wharton, Texas
American Legion Auxiliary, Rowland Mays Post 87, Wharton, Texas
American Legion, Rowland Mays Post 87, Wharton, Texas
American Rice Growers Cooperative Association, Eagle Lake, Texas
Angleton Busy Bee Homemakers Extension Club, Angleton, Texas
Association of Oilwell Servicing Contractors, Dallas, Texas
Boling Bull Shooters – Boling, Texas
Catholic Women’s Fraternal Order of Texas, The K.J.Z.T., Austin, Texas
Eagle Lake Knights of Columbus, Eagle Lake, Texas
Eagle Lake Rotary Club, Eagle Lake, Texas
El Campo Food Services Association, El Campo, Texas
El Campo Knights of Columbus, El Campo, Texas
El Campo Lions Club, El Campo, Texas
El Campo Rotary Club, El Campo, Texas
Fiesta Hispanica Americana, Wharton, Texas
Fort Bend County Fair Association, Rosenberg, Texas
Fort Bend County 4-H Adult Leaders’ Association, Rosenberg, Texas
Fort Bend County L.U.L.A.C. Council No. 188, Rosenberg, Texas
Fraternal Order of Eagles, Bay City, Texas
Frank Sorrel, Jr. Scholarship, Wharton, Texas
Future Farmers of America Scholarships of Wharton High School
Flagg City Chapter, American Businesswomen’s Association, Edna, Texas
Germania Farm Mutual Aid Association, Louise, Texas
Griffin Well Service, El Campo, Texas
Houston Livestock Show and Rodeo, Houston, Texas
Jackson County Home Demonstration Council, Edna, Texas
Lamar Consolidated Paraprofessional Association, Rosenberg, Texas
Louise Lions Club, Louise, Texas
Louise Speech and Drama Club, Louise, Texas
Louise Women’s Club, Louise, Texas
Mamie E. George Scholarship, Lamar Consolidated I.S.D., Rosenberg, Texas
Mexican-American Youth Council, Eagle Lake, Texas
Mount Olive Scholarship, Richmond, Texas
Nada Knights of Columbus Council 3371, Nada, Texas
National Intercollegiate Rodeo Association, Huntsville, Texas
Nell Mick Pugh Scholarship of Comfort Wood Chapter, DAR, Wharton, Texas
Needville I.S.D. Interscholastic League Scholarship, Needville, Texas
Pilot Club of Wharton, Inc. – Suellen Rowe Memorial Scholarship
Rice Belt Water Works Association, West Columbia, Texas
Rocking W Rodeo Club, Wharton, Texas
Rosenberg Business & Professional Women’s Club, Rosenberg, Texas
South Texas Scholarship Pageant, El Campo, Texas
Southwest Texas Conference, The United Methodist Church, San Antonio, Texas
Texas Real Estate Research Center Scholarship, Texas A&M University
Raymond R. Thomas, M.D. Memorial Scholarship – Victor Scott, Eagle Lake, Texas
Thomas Scholarship, John Dulles High School, Stafford, Texas
Trull Scholarship Fund, Palacios, Texas
United Brotherhood Scholarship, Tidehaven and Wharton Chapters
Wade Waters Scholarship, El Campo, TX
A. J. Wendel Scholarship, El Campo, TX
Wharton Business & Professional Women’s Club, Inc., Wharton, Texas
Wharton County Board of Realtors, Wharton, Texas
Wharton County Youth Fair, Wharton, Texas
Wharton High School, Industrial Arts Club, Wharton, Texas
Wharton Lions Club, Wharton, Texas
Wharton Rotary Club, Wharton, Texas
Wharton Chapters of Beta Sigma Phi, Wharton, Texas
David and Eula Wintermann Foundation, First City National Bank of Houston
Women’s Auxiliary to the Texas Medical Association, Wharton, Jackson,
Matagorda and Fort Bend Counties
Women’s Service League of Wharton, Texas
Xi Mu Chi Chapter of Beta Sigma Phi, El Campo, Texas
Young Homemakers of Texas, El Campo, Texas

**Student Loans (Long-Term)**

Federal Stafford Student Loan. These loans are obtained through the applicant's hometown financial institution or open-door lenders. Dependent undergraduate students may borrow up to $3,500 for freshman students and $4,500 for sophomore students per year. Interest is charged at the current rate as stated in federal regulations. Repayment begins six months after the student ceases to be enrolled at least half-time.

**Student Employment**

College Work-Study Program (CWSP). Students who can demonstrate financial need may be provided with a job to help pay for college expenses under the federally supported College Work-Study Program. Part-time employment on campus includes such jobs as secretary/clerk, maintenance worker, library clerk, laboratory assistant, cafeteria worker, and bookstore clerk.

Application for financial aid should be filed through the Free Application for Federal Student Aid by June 1 for the fall semester and by November 1 for the spring semester.
Vocational Rehabilitation

The Department of Assistive and Rehabilitative Services (DARS) is a state agency that provides handicapped individuals with services designed to assist them in becoming as independent as possible by entering or returning to gainful employment. To be eligible for DARS services, the individual (a) must have a physical or mental disability that constitutes or results in a substantial handicap to employment and (b) may be reasonably expected to benefit, in terms of employment, from vocational rehabilitation services.

Thousands of handicapped college students receive services from the Commission each year. All DARS clients are entitled to diagnostic evaluation, counseling and guidance, career planning, job-development placement, and follow-up. In those cases where economic need can be demonstrated, the following services may be provided to handicapped college students: tuition and required fees, textbooks, physical restoration, and assistive devices. Severely handicapped students may also be eligible for room and board, mobility assistance, note-takers, tutors, and attendant care.

The Rehabilitation Counselor and the student identify intermediate and long-range goals. They determine actions needed to achieve those goals, and they work together to reach them. The ultimate goals are to assist each student in completing his or her college education, in getting a good job after graduation, and in achieving the highest degree of independence possible.

Workforce Investment Act

Wharton County Junior College is an approved vendor of the Gulf Coast Workforce Development Board and Houston-Galveston Area Council to provide vocational training for eligible participants in workforce programs under the federally funded Workforce Investment Act. Participants qualifying for programs funded under the Workforce Investment Act receive free tuition, fees, books, and possibly uniforms, tools, and financial assistance with transportation and childcare. Applicants may apply for services under the Workforce Investment Act through their local Work Source office. For more information, contact the Work Source office at (979) 531-0730.

Career and Technical Education Support Services

Career and technical students attending Wharton County Junior College may qualify for a broad range of support services including career guidance and academic counseling, peer tutoring, childcare/transportation, registration assistance, and information/referral to other federal, state, and community-service programs. Services are provided through the federally funded Carl D.
Perkins Career and Technical Education Act of 2006. Perkins funding supports special populations enrolled in career and technical education. Special populations include individuals with disabilities, single parents, displaced homemakers, economically disadvantaged, individuals preparing for non-traditional fields, and individuals with limited English proficiency.

For information, contact the Senior Coordinator for Career and Technical Education Support Services, Wharton County Junior College, Room 315 of the Pioneer Student Center, or call (979) 532-6440.

Veterans’ Benefits

Wharton County Junior College is approved by the Texas Veterans Commission for VA educational benefits for veterans and children and spouses of veterans (Chapters 30, 32, 35, and 1606/1607, Title 38, U.S. Code).

Students who are veterans may receive assistance from the Financial Aid Office in applying for benefits. To expedite payment of benefits, veterans should contact the Financial Aid Office at least 30 days prior to the first class day of each term to complete all necessary paper work for that period of study.

Selection of Courses: Veterans receive monthly payments for their entitlement based on the course work for which they enroll. Caution should be given to the selection of courses, making certain that each course undertaken meets the requirements for payment. The following are requirements for courses to be eligible for payment:

1. Each course must be a requirement for graduation in a degree program.
2. No course may be taken for audit.
3. No course may be a repeat of a course for which credit has already been received.
4. Each course must be completed and assigned a grade that is used to compute GPA and progress toward degree.

Withdrawals, without mitigating circumstances, resulting in no credit awarded or no punitive grade being assigned, results in benefits being terminated from the beginning date of the semester. This creates an over-award scenario and possible repayment to the Veterans Administration may be required.

Academic Requirements: To remain in good standing (not on probation), a student must earn a 2.0 GPA each semester. To insure satisfactory progress, transcripts of veterans are monitored at the end of each semester. Should a veteran complete two semesters with a GPA below 2.0, he or she is issued a warning notice. The notice states that the veteran is not maintaining satisfactory
progress and may find it impossible to earn the required 2.0 GPA for graduation. Students who receive this notice are encouraged to re-examine their educational objectives, course load, etc., to improve their academic record. If a veteran should fail to earn a 2.0 GPA in any following semester, certification is terminated until the veteran raises his or her cumulative GPA to 2.0 or the Veterans Administration Regional Office authorizes recertification.

The Texas Hazelwood Act for Veterans

Veterans of World War I, World War II, Korean War, Vietnam, and the Cold War who have no remaining federal educational benefits are eligible for Hazelwood Act benefits if they were residents of Texas at the time they entered the armed forces, are now residents, and have an honorable discharge from the service.

To qualify for benefits under the Hazelwood Act, the veteran must file a request with the office of Financial Aid at Wharton County Junior College. Items to be filed are a certified or photo static copy of discharge papers and an affidavit from the Veterans Administration certifying that the veteran is no longer eligible for VA benefits. Students eligible for this benefit should contact the Director of Financial Aid (979)532-6345 prior to enrolling for classes.

Americans with Disabilities Act

Students with disabilities may be entitled to financial assistance from the Texas Commission for the Blind, Texas Commission for the Deaf, or the Department of Assistive and Rehabilitative Services. Other state and local resources may be available to qualified students. For more information contact the ADA coordinator for Wharton County Junior College at (979) 532-6384.

Tuition Rebates for Certain Undergraduate Students

A tuition rebate program was created by Senate Bill 1907, 75th Texas Legislature, and is authorized by Section 54.0065 of the Texas Education Code.

The purpose of this program is to provide tuition rebates that will provide a financial incentive for students to prepare for university studies while completing their high school work, avail themselves of academic counseling, make early career decisions, and complete their baccalaureate studies with as few extraneous courses as possible. Minimizing the number of courses taken by students results in financial savings to students, parents, and the state.

To be eligible for rebates under this program, students must meet all of the following conditions:
1. They must have enrolled for the first time in an institution of higher education in the fall 1997 semester or later;
2. They must have received a baccalaureate degree from a Texas public university;
3. They must have been a resident of Texas and entitled to pay resident tuition at all times while pursuing the degree; and
4. They must have attempted no more than three hours in excess of the minimum number of semester credit hours required to complete the degree under the catalog under which they were graduated.

### Hope Scholarship Income Tax Credit and Lifetime Learning Tax Credit

Beginning January 1, 1998, taxpayers (students or their parents) may be eligible to claim a nonrefundable Hope Scholarship Tax Credit against their federal income taxes. The Hope Scholarship Credit may be claimed for the qualified tuition and certain related expenses (not housing/dining) of EACH student in the taxpayer’s family (i.e., the taxpayer, the taxpayer’s spouse, or an eligible dependent) who is enrolled at least halftime in one of the first two years of post-secondary education and who is enrolled in a program leading to a degree, certificate, or other organized educational credential. The credit that may be claimed varies, depending on the family and student financial situation, but may be as much as $1,500 for a freshman or sophomore.

Another tax credit known as the Lifetime Learning credit applies to junior, senior and/or graduate students enrolled at least halftime in an institution of higher education. Congress has established that the Lifetime Learning Tax Credit begins for payments made after July 1, 1998.
Student Services and Activities

Student Activities and Multicultural Affairs

Extra-curricular activities provide students with opportunities for the development and expression of special interests and abilities, for acquiring social graces, for practicing the mechanics of group action, for developing leadership, and for recreation. Multicultural affairs allow the student body to experience different cultures that co-exist in the world around them.

All student organizations and activities conform to the educational objectives and administrative regulations of the college. These organizations are approved by the Dean of Student Services, and are sponsored by a faculty member. Participation in certain student activities requires enrollment in a credit course and, in some cases, auditions or approval of the instructor. Included in these categories are the WCJC Pioneer Band, Choir, Chamber Singers, and intercollegiate athletics.

Student Government Association

The Student Government Association is composed of all members of the student body. The purpose of SGA is to promote understanding and cooperation among students, faculty and administration and to provide a means whereby student members may gain experience and training in responsible political participation and community leadership. WCJC provides a Student Government Association on the Wharton campus, the Sugar Land campus, and the Fort Bend Tech Center campus.

Honor Societies

Phi Theta Kappa is an international honor society whose purposes are the promotion of scholarship, the development of leadership and service, and the cultivation of fellowship among students of community and junior colleges in the United States. The local chapter is Zeta Xi and consists of students, alumni, and honorary members. Activities include observance of National Phi Theta Kappa Week in November, campus-wide events connected with the Honors Program Theme for each year, and service projects for Wharton County Junior College and the community.

National Technical Honor Society is a national honor society whose purpose is to recognize outstanding student achievement in career and technical
education, encourage higher scholastic achievement, cultivate a desire for personal excellence, and emphasize areas of development within students such as skill, honesty, service, responsibility, scholarship, and leadership qualities. The honor society will be active in campus and community events throughout the academic year.

**Intercollegiate Sports**

WCJC offers intercollegiate competition in men's baseball, men’s and women’s rodeo, and women's volleyball. Students interested in participating in these sports should contact the athletic director or the coach of the specific sport. Scholarships are available.

**Student Organizations**

Student organizations at Wharton County Junior College vary from year to year in accordance with changes in student interests. Current organizations are described below.

**The Art Guild** is an organization open to any Wharton County Junior College student interested in art. The purpose of the club is to promote art appreciation through art exhibits, art contests, and field trips to art galleries.

**Business/Accounting Club** The purpose of the club is to bring together business and accounting oriented students of WCJC for social and professional gatherings that will provide opportunities for education, networking, and otherwise enhancing their opportunities in business.

**The Chamber Singers** is a select ensemble of vocal members. The group specializes in the more difficult choral literature of all periods, as well as contemporary music including folk, jazz, and pop. Students who have had previous vocal experience are invited to audition. The WCJC Choir makes an outstanding contribution to the cultural life of the area through performances before conventions, school assemblies, and service organizations. Officers are elected annually to arrange many of the choir's activities. Each year the choir presents a performance of a major choral work and tours area high schools, other community and junior colleges, and public gatherings throughout southeast Texas. Membership is open to all students through audition with the director.

**Computer Science Club** is an organization developed to enhance student's knowledge of information technology related to computers and occupations utilizing them.

**The Dental Hygiene Club** is an organization to cultivate, promote and
sustain the art and science of dental hygiene, to represent and safeguard the common interest of the members of the dental hygiene profession and to contribute toward the improvement of the health of the public.

The Green Room Players is an organization to promote opportunities for those interested in learning the art and crafts related to theatre arts.

The Human Services Club is an organization promoting the general welfare of students majoring in Human Services, to provide additional career supportive opportunities, to better school and community relations, and to stimulate student participation.

The Jazz Band is designed to acquaint students with present-day materials and techniques for the modern dance orchestra, with special emphasis on jazz. The group provides music for assembly programs and various community affairs.

The Law Club The purpose of the WCJC Law Club is to provide an outlet for students interested in pursuing a career in law related fields. The organization brings in monthly speakers on recent topics and career opportunities in any law related fields. Not only is the club beneficial to students in an academic setting, but the WCJC Law Club also provides opportunities for students with similar interests to befriend one another and jointly aid one another in class work and job placement, as well as participate in social events.

The Pioneer Band engages in the study of musical literature from the Renaissance to the present day through the performance of transcriptions and original band works. The band performs at various times throughout the semester. Participating in band is a great way to meet other students from around south Texas.

The Pioneers in Process Technology Club organizes to promote enthusiasm for process technology, increase awareness and motivate fellow students.

The Pioneer Aggie-Rodeo Club is affiliated with the National Intercollegiate Rodeo Association and is designed for students who are interested in the sport of rodeo and other agriculture-related activities. The club seeks to promote appreciation and reservation of our Western heritage and to promote intercollegiate rodeo as a standard, organized, collegiate sport. In addition to sponsoring trail rides, barbecues, and other activities, the club sponsors an NIRA-sanctioned rodeo featuring teams from many colleges and universities of the Southwest.

The Physical Therapists Assistants Club promotes and supports the PTA
program at WCJC in its efforts to uphold professional accreditation standards and provide the community with caring and qualified graduates.

**The Political Science Club** is organized to promote interest in government and politics, to be non-partisan and encourage civic duties and responsibilities as citizens in our democracy.

**Psych Club** is an organization open to psychology students to promote education and community involvement.

**The Radiology Club** promotes membership attendance to the annual radiology meeting and other related activities.

**The Surgical Technology Club** promotes professional activities and stimulates interest in community health for Surgical Technology students.

**Student Services**

**Personal Advising and Counseling**

Professional counselors and academic advisors are on duty to assist students who are exploring career choices, choosing a major, and/or selecting a four-year college for transfer. If possible, these decisions should precede registration. Students “not college ready” in reading must meet with a counselor or an academic advisor prior to enrolling in any coursework; they will be blocked from registration until such advisement. This academic advising will ensure students are placed in courses appropriate to their demonstrated academic skill level.

The counseling staff is able to provide personal counseling for a variety of student problems. These may include test anxiety, learning skill problems, alcohol and drug issues, and stress disorders. When major problems are detected, students may be referred to psychologists, psychiatrists, physicians, or other appropriate resources.

**Learning Assistance Centers**

Wharton County Junior College offers free tutoring for all current students through the Learning Assistance Centers (LAC). There are tutoring labs on the Wharton, Sugar Land, and Richmond campuses. The labs are staffed by professional tutors who have been certified by the College Reading and Learning Association (CRLA). These certified tutors are trained to assist students in the areas of Reading, Writing, and Math. For more information visit
one of the Learning Assistance Centers on campus during operating hours or contact Student Services at 979-532-6388.

Students with Disabilities

Students with documented disabilities seeking accommodations from Wharton County Junior College should contact the ADA Coordinator in the Office of Student Services. The student should provide current medical and/or psychological documentation verifying their disability at least thirty days prior to the beginning of the semester. Further information may be obtained from the ADA Coordinator in the Office of Student Services at (979)532-6384.

Vocational-Interest Testing

Career interest assessments are available in the Career Center to students who wish to utilize them in their exploration of their vocational interests, special aptitudes, and career decisions.

Test of General Education Development (GED)

GED tests are available at the WCJC Testing Center at the Wharton campus, the Richmond campus, the Sugar Land campus, and at Pierce Elementary School in Bay City, TX. To be eligible, a person must be a Texas resident and at least 18 years of age (17 with parental consent) plus a withdrawal form from the last high school attended, or 16 with a court order. All examinees must have current government-issued photo ID.

Potential GED examinees must be pre-assessed before sitting for the GED exam. Information regarding the GED exam process is available at 1-800-561-9252 ext. 6552, 979-532-6552 or 979-532-6512, or 979-532-6301.

Student Health

Although the college does not provide medicine or medical, hospital, or surgical services, WCJC students and employees have access to excellent health services. The main campus is located less than five miles from the Gulf Coast Medical Center and South Texas Medical Clinics, P.A. The medical center provides community education programs and screening, a speakers’ bureau, an intensive care/critical care unit, and complete comprehensive medical/surgical care.

Wharton County Junior College encourages students to undergo a medical examination prior to their initial enrollment. The college does not assume responsibility for health care or injuries incurred by students when taking part in intramural sports, physical activity, courses, or class and student activities.
Therefore, students not covered by their parents’ insurance are encouraged to carry medical and surgical insurance while enrolled at WCJC. Brochures for independent companies that provide health insurance for students are available in the Office of Student Services and at the Information Desk at the Fort Bend and Sugar Land campuses.

**Libraries**

The WCJC libraries include the J.M. Hodges Library at the main campus in Wharton, a branch library at the Sugar Land Campus, and the combined Open Computer Lab/Online Library at both the Bay City and Fort Bend Technical Center (FBTC) campuses. A daily courier service transports books and other materials among the four locations in order to provide services to all patrons throughout the WCJC system.

A current WCJC student identification card is used as the library card to check out materials. A student without a current WCJC student identification card should inform a library staff member that he/she is enrolled in an off-campus course. After verification of student records, borrowing privileges will be extended. Continuing Education students may also request a library card which will be valid for the duration of the course; a tuition receipt is needed to verify registration.

The resources of the WCJC Libraries include over 50,000 books, 180 periodical subscriptions, and 2,000 audio-visual items. WCJC libraries also subscribe to about 28,000 e-Books and over 45 online databases to provide access to millions of multi-disciplinary and full text publications and peer-reviewed journals. A registered student can log in remotely to our subscription databases seven days, twenty-four hours per day through the page of the library proxy server at [http://libproxy.wcjc.cc.tx.us/login](http://libproxy.wcjc.cc.tx.us/login) or visit WCJC Libraries website at [http://www.wcjc.edu](http://www.wcjc.edu).

The libraries provide typewriters, photocopiers, microfilm reader/printer services, and computer workstations with the internet access. The Wharton campus Open Computer Lab is located at the library in the first floor reference room. The lab is equipped with 24 computer workstations which are compliant with the Americans with Disabilities Act (ADA), one network printer, one color printer and a scanner. One library staff member is available at the lab service desk to assist students during library hours.

**Check-Outs**

Library materials may be checked out for 14 days. Materials may not be held during the intersession between semesters. All materials should be returned to
the main circulation desks. Materials returned after 4:00pm through the outside book drops will be considered as turned in on the following day and fines, if any, will be charged.

Fines for the late returns are $.25 per day per item. Fines are calculated for the days the WCJC libraries are open; fines are not charged for weekends and holidays. Students who have accumulated more than $20.00 in unpaid fines may not check out materials until the fines are paid. Near the end of semesters and holidays the loan period must be shorter than the usual 14 days. It is always in the borrower’s best interest to note the item’s due date as it is being checked out. At the end of the semester, students with overdue material or fines will have a hold placed on their records in the Registrar’s Office. Student records must be cleared before grades or transcripts are mailed. Students must pay the replacement cost of lost or damaged materials, in addition to any late fees.

Library Phone Numbers:
Wharton: 979-532-6509
Sugar Land: 281-243-8417
FBTC at Richmond: 281-239-1619
Bay City: 979-844-4552

Library Hours:

<table>
<thead>
<tr>
<th>CAMPUS</th>
<th>SEMESTER</th>
<th>DAYS</th>
<th>TIMES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wharton, Sugar</td>
<td>Fall and Spring</td>
<td>Monday – Thursday</td>
<td>7:30am – 9:00pm</td>
</tr>
<tr>
<td>Land, FBTC</td>
<td></td>
<td>Friday</td>
<td>7:30am – 4:00pm</td>
</tr>
<tr>
<td>Bay City</td>
<td>Fall and Spring</td>
<td>Monday – Thursday</td>
<td>8:00 am – 9:00pm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Friday</td>
<td>8:00 am – 5:00pm</td>
</tr>
<tr>
<td>Wharton, Sugar</td>
<td>Summer</td>
<td>Monday – Thursday</td>
<td>7:30am – 5:00pm</td>
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<tr>
<td>Land, FBTC, and</td>
<td></td>
<td>Friday</td>
<td>7:30am – 12:30pm</td>
</tr>
<tr>
<td>Bay City</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All locations</td>
<td>Fall, Spring</td>
<td>Holidays</td>
<td>Library closed.</td>
</tr>
<tr>
<td></td>
<td>and Summer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dormitories

Wharton County Junior College provides dormitory accommodations only at the main campus in Wharton. Dorm rooms are available during the fall and spring semesters, and are closed during the summer. Frankie Hall (men's dorm) and Mullins Hall (women's dorm) are both located on campus. Brooking Hall (women's dorm) is located two blocks from the main campus. To be eligible to live in the dorm, a student must enroll in and maintain a minimum of 12 semester hours at WCJC.

All dorms are traditional-style, two-person rooms designed for only students.
WCJC does not provide accommodations for married couples or children. All students living in the dorms must be on the campus cafeteria meal plan. The cafeteria provides three meals per day Monday thru Friday, two meals on Saturday, and one meal on Sunday. The cafeteria offers one meal plan only; credit is not given for missed meals because of dormitory absence, school events, etc.

Each dormitory provides a live-in dorm supervisor and security is maintained 24 hours a day. Each dorm student is provided a twin (long) bed, chest-of-drawers, closet, desk and chair. Self-service laundry facilities are provided within all dorm buildings; washers and dryers are free of charge, but students must provide their own cleaning products. Inactive telephone lines are provided in each dorm room; it is the responsibility of any student who wishes room telephone service to obtain that service through any local telephone company.

Frankie Hall is a two-floor building on campus that provides housing accommodations for 76 men. Women are not allowed in Frankie Hall except for the main entrance lobby. The downstairs lobby and an upstairs lounge both provide satellite television service. A non-pay telephone is located in each hallway downstairs and upstairs; only local calls may be made on these phones. Twenty-eight rooms are suite-style, where two rooms share a middle bathroom. Ten rooms, which are designated for students on the WCJC baseball team, have restroom facilities at the community bath located down the hallway.

Mullins Hall is a two-floor building on campus that provides housing accommodations for 53 women. Men are not allowed in Mullins Hall except for the main entrance lobby, which provides satellite television service. A non-pay telephone is located in each hallway downstairs and upstairs; only local calls may be made on these phones. Restroom facilities are located at the end of each floor hallway.

Brooking Hall is a two-floor building located two blocks from campus that provides housing accommodations for 30 women. Men are not allowed in Brooking Hall except for the main entrance lobby. The downstairs lobby and an upstairs lounge both provide satellite television service. Suite-style rooms are located only on the second floor; there are no dorm rooms on the lower level. Each room offers a small walk-on balcony. A public, pay telephone is located in the upstairs hallway.

To reserve a room, student must fill out an application and submit it to the Housing Office, along with a $100.00 deposit. (Pioneer Student Center, ext. 6388 or 6368) Students may request a refund of their room deposits and/or pre-paid room rent if they decide not to attend Wharton County Junior College. To cancel the residence hall reservation and contract, the student must submit a request in writing to the Housing Office on or before the first day of classes.
Failure to cancel a reservation as outlined above will result in the forfeiture of the entire room deposit and pre-paid room rent. In the event the student's admission or enrollment is canceled for failure to meet the college's requirements for admission or re-admission, the full deposit and pre-paid room rent will be refunded or transferred to another semester at the direction of the student. (See Financial Information Section for cost per semester.) Students who reside in the dormitories must also pay the Board Plan. Room charges and the first payment for board must be made before entering the dormitory as a resident. Dormitory and cafeteria charges are subject to change without notice by action of the Board of Trustees.

The residence halls and the cafeteria will be closed during official college holidays as specified in the College Calendar. During these holidays, students must arrange for other housing and meals.

**Damages**

The $100.00 room deposit will serve as a combination reservation/damage/room clearance deposit. The deposit is not applied to housing rent. The deposit is not covered by any WCJC institutional scholarship. For non-returning residents, the deposit is refundable at the end of the semester upon written request of the student, when all monies owed by students and all provisions of the housing contract have been satisfied. Any assessments left unpaid at the time the student leaves Wharton County Junior College will be deducted from the $100.00 deposit.

Students should consult the Residence Hall Handbook and the Student Handbook regarding dormitory regulations.
Degree Requirements

Associate of Arts (AA) Degree
Transfer Programs

WCJC awards the Associate of Arts degree in general studies for students planning to pursue four-year degrees. The purpose of the AA degree is to provide programs in university-parallel and pre-professional areas that enable students to enter four-year institutions as juniors.

Applicants for the Associate of Arts degree must:

A. Satisfy all conditions for admission;

B. Successfully complete at least 60 semester hours of college-level courses;

C. As part of the total 60-hour requirement, successfully complete 42 semester hours of core curriculum requirements (core curriculum listed on page 80):
   1. Nine semester hours in Communications: ENGL 1301 and 1302, and SPCH 1315;
   2. Three semester hours from core 020 Mathematics;
   3. Eight semester hours from core 030 Natural Sciences;
   4. Three semester hours from core 040 Humanities;
   5. Three semester hours in Performing/Visual Arts;
   6. Six semester hours in History: HIST 1301 and 1302;
   7. Six semester hours in Government: GOVT 2301 and 2302;
   8. Three semester hours from core 080 Social/Behavioral Sciences;
   9. One semester hour in core 090 Kinesiology.

D. Pass all three sections of the THEA test or satisfy the basic skills requirement in any way prescribed by the Texas Higher Education Coordinating Board.

E. Earn a cumulative overall grade point average of at least 2.0.

F. Complete at least twenty-four semester hours, including nine of the last fifteen hours, at Wharton County Junior College.

G. Complete at least fifteen hours of sophomore-level courses.

H. Meet all financial obligations to the college.
I. Fill out application for graduation by deadline date: August graduation - July 15; December graduation - November 1; or May graduation - April 1.

J. All courses in the Course Description section of the catalog are designated “Type: Acad” if they are academic transfer courses. Only academic transfer courses may be used.

To aid students in planning their course of study at WCJC, the college provides suggested courses of study. Students should identify the institution to which they intend to transfer, as early as possible, and ascertain the specific freshman and sophomore courses for the degree they wish to pursue. Students should consult the catalog of the senior institution of their choice to insure they are taking the courses required by that institution.

NOTE: Programs and courses within programs are subject to deletion or change without notice by action of the Board of Trustees of Wharton County Junior College.

CORE CURRICULUM

The core curriculum is required of every student who is seeking an Associate of Arts or an Associate of Science degree in publicly funded higher education in Texas. In 1997, the Texas Legislature passed Senate Bill 148, which directed the Texas Higher Education Coordinating Board (THECB) to require all publicly-funded institutions of higher education to create and put into effect by Fall 1999 a core curriculum of no less than 42 semester hours. This core curriculum is fully transferable and will fully substitute for the core curriculum at any other public institution of higher education in Texas.

Of the two degrees mentioned above, Wharton County Junior College currently offers the Associate of Arts degree. In adherence to the directive of the THECB and toward offering the best education possible to its students, Wharton County Junior College requires all students seeking an Associate of Arts degree to complete the core curriculum. The WCJC core curriculum provides the basic intellectual competencies and perspectives that help define an educated individual. The exemplary education objectives listed for the various courses in the core establish a foundation for assessing student performance and the effectiveness of the WCJC core curriculum as a whole.
BASIC INTELLECTUAL COMPETENCIES IN THE WCJC CORE CURRICULUM

The six basic intellectual competencies noted by the THECB* are deemed essential to the learning process in any discipline. These competencies are integrated into the instruction methods of the courses within the core curriculum at WCJC. Each discipline emphasizes the specific competencies which associate themselves most readily to courses in that area such as reading and writing in composition courses; however, the several competencies, especially those of critical thinking and computer literacy, may be included as specific objectives in many different courses.

Reading
Reading at the college level means the ability to analyze and interpret a variety of printed materials such as 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, how to develop and organize it, and 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 spoken communication.
Critical Thinking

Critical thinking embraces methods for 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.


PERSPECTIVES IN THE WCJC CORE CURRICULUM

Another requirement by the THECB* is that the core curriculum contains courses to help students attain various perspectives of an educated individual. At WCJC, the core curriculum contains courses that do the following:

1. Establish broad and multiple perspectives of the individual in relationship to the larger society and world in which he or she lives, and help the student 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 to understand ways 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 lives;
5. Develop personal values for ethical behavior;
6. Develop the ability to make aesthetic judgments;
7. Use logical reasoning in problem solving; and
8. Integrate knowledge and understanding of the interrelationships of the scholarly disciplines.


Core Curriculum

WCJC has adopted the following list of courses (designed by Core Area) as its Core Curriculum:
## Associate of Arts (AA) Core Curriculum

<table>
<thead>
<tr>
<th>Core Component</th>
<th>Code</th>
<th>Courses</th>
<th>Required Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communications: ENGL</td>
<td>010</td>
<td>ENGL 1301 and ENGL 1302</td>
<td>6 hours</td>
</tr>
<tr>
<td>Communications: SPCH</td>
<td>011</td>
<td>SPCH 1315</td>
<td>3 hours</td>
</tr>
<tr>
<td>Mathematics</td>
<td>020</td>
<td>MATH 1314, MATH 1316, MATH 1324, MATH 1325, MATH 1342, MATH 1348, MATH 1350, MATH 1351, MATH 2305, MATH 2312, MATH 2318, MATH 2320, MATH 2413, MATH 2414, MATH 2415</td>
<td>3 hours</td>
</tr>
<tr>
<td>Natural Science</td>
<td>030</td>
<td>BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, BIOL 2306 and BIOL 2106, BIOL 2420, CHEM 1405, CHEM 1407, CHEM 1411, CHEM 1412, CHEM 2423, CHEM 2425, PHYS 1401, PHYS 1402, PHYS 2425, PHYS 2426, GEOL 1303 and GEOL 1103; GEOL 1304 and GEOL 1104</td>
<td>8 hours</td>
</tr>
<tr>
<td>Humanities</td>
<td>040</td>
<td>ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, ENGL 2341; SPAN 2311, SPAN 2312; PHIL 1301; HUMA 1301</td>
<td>3 hours</td>
</tr>
<tr>
<td>Performing/Visual Arts</td>
<td>050</td>
<td>ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1313; DRAM 1310, DRAM 2366; MUSI 1306, MUSI 1308, MUSI 1309, MUSI 1310</td>
<td>3 hours</td>
</tr>
<tr>
<td>Social/Behavioral Sciences: HIST</td>
<td>060</td>
<td>HIST 1301 and HIST 1302</td>
<td>6 hours</td>
</tr>
<tr>
<td>Social/Behavioral Sciences: GOVT</td>
<td>070</td>
<td>GOVT 2301 and GOVT 2302</td>
<td>6 hours</td>
</tr>
<tr>
<td>Social/Behavioral Sciences: Additional</td>
<td>080</td>
<td>Select 3 additional hours: ANTH 2351; CRJ 1307; ECON 2301, ECON 2302; GEOG 1303; HIST 2301, HIST 2311, HIST 2312, PSYC 2301, PSYC 2306, PSYC 2314, PSYC 2315; SOCI 1301, SOCI 1306, SOCI 2306, SOCI 2319</td>
<td>3 hours</td>
</tr>
<tr>
<td>Kinesiology</td>
<td>090</td>
<td>PHED 1103, PHED 1105, PHED 1107, PHED 1110, PHED 1117, PHED 1122, PHED 1124, PHED 1127</td>
<td>1 hour</td>
</tr>
</tbody>
</table>

**Total** 42 hours
CORE COMPONENTS AND RELATED EXEMPLARY EDUCATIONAL OBJECTIVES

CORE 010 & 011: Communications – 9 credit hours
The Communications component in the core curriculum enables the student to communicate effectively in clear and correct prose in a style appropriate to the subject, occasion, and audience.

Exemplary Education Objectives:

1. To understand and demonstrate writing and speaking processes through invention, organization, drafting, revision, editing, and presentation;
2. To understand the importance of specifying audience and purpose and to select appropriate communication choices;
3. To understand and appropriately apply modes of expression, i.e., descriptive, expositive, narrative, scientific, and self-expressive, in written, visual, and oral communication;
4. To participate effectively in groups with emphasis on listening, critical and reflective thinking, and responding;
5. To understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development of exposition and argument;
6. To develop the ability to research and write a documented paper and/or to give an oral presentation.

CORE 020: Mathematics -- 3 credit hours
The Mathematics component of the core curriculum develops a quantitatively literate college graduate. Every college graduate should be able to apply basic mathematical tools in the solution of real-world problems.

Exemplary Educational Objectives:

1. To apply arithmetic, algebraic, geometric, higher-order thinking and statistical methods to modeling and solving real-world situations;
2. To represent and evaluate basic mathematical information verbally, numerically, graphically, and symbolically;
3. To expand mathematical reasoning skills and formal logic to develop convincing mathematical arguments;
4. To use appropriate technology to enhance mathematical thinking and understanding and to solve mathematical problems and judge the reasonableness of the results;
5. To interpret mathematical models such as formulas, graphs, tables, and schematics; and to draw inferences from them;
6. To recognize the limitations of mathematical and statistical models;
7. To develop the view that mathematics is an evolving discipline, interrelated with human culture, and to understand its connections to other disciplines.

**CORE 030: Natural Sciences – 8 credit hours**

The Natural Sciences component of the core curriculum enables the student to understand, construct, and evaluate relationships in the natural sciences, and to enable the student to understand the basis for building and testing theories.

Exemplary Educational Objectives:

1. To understand and apply method and appropriate technology to the study of natural sciences;
2. 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;
3. To identify and recognize the differences among competing scientific theories;
4. To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies;
5. To demonstrate knowledge of interdependence of science and technology and their influences on, and contributions to, modern culture.

**CORE 040 & 050: Humanities and Performing/Visual Arts – 6 credit hours**

The Humanities and Performing/Visual Arts component in the core curriculum expands students’ knowledge of the human condition and human cultures, 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.

Exemplary Educational Objectives:

1. To demonstrate awareness of the scope and variety of works in the arts and humanities;
2. To understand those works as expressions of individual and human values within historical and social contexts;
3. To respond critically to works in the arts and humanities;
4. 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;
5. To articulate an informed personal reaction to works in the arts and humanities;
6. To develop an appreciation for the aesthetic principles that guide or govern the humanities and arts;
7. To demonstrate knowledge of the influence of literature, philosophy, and/or the arts on intercultural experiences.

CORE 060, 070, & 080: Social and Behavior Sciences – 15 credit hours

The Social and Behavioral Sciences component of a core curriculum increases 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 issues facing humanity.

Exemplary Educational Objectives:

1. To employ the appropriate methods, technologies, and data that social and behavioral scientists use to investigate the human condition;
2. To examine social institutions and processes across a range of historical periods, social structures, and cultures;
3. To use and critique alternative explanatory systems or theories;
4. To develop and communicate alternative explanations or solutions for contemporary social issues;
5. To analyze the effects of historical, social, political, economic, cultural, and global forces on the area under study;
6. 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;
7. To understand the evolution and current role of the U.S. in the world;
8. To differentiate and analyze historical evidence (documentary and statistical) and differing points of view;
9. To recognize and apply reasonable criteria for the acceptability of historical evidence and social research;
10. To analyze, critically assess, and develop creative solutions to public policy problems;
11. 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 about politics and
public policy through the news media and other appropriate information sources;

12. To identify and understand differences and commonalities within diverse cultures.

*Adapted from THECB. “Core Curriculum: Assumptions and Defining Characteristics.” April 1998. 5-8.

**CORE 090: Additional Institutional Component – 1 credit hr of Kinesiology**

The Additional Institutional Component of the WCJC Core Curriculum offers opportunities for recreational and leisure-time activities for students of varied age, background, and ability, as noted in the Mission Statement of the College.

Exemplary Educational Objectives:

1. To engage in activities that provide for cardiovascular improvements.

### Associate of Arts (AA) Courses of Study

#### Agriculture

This is a recommended list of courses for students who plan to major in Agriculture at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions.

WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
</tr>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
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<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>Core 020</td>
<td>3</td>
</tr>
</tbody>
</table>
### WCJC 2009-2010 Catalog

**PHED activity**
- Any PHED activity course
  - Core 090
  - 1 semester hour

<table>
<thead>
<tr>
<th>AGRI</th>
<th>Any AGRI course</th>
<th>Recommended</th>
<th>3</th>
</tr>
</thead>
</table>

16 semester hours

**Freshman Year, Second Semester**

- ENGL 1302  Composition II
  - Core 010
  - 3 semester hours

- HIST 1302  US History II
  - Core 060
  - 3 semester hours

- COSC 1301  Microcomputer Applications
  - Recommended
  - 3 semester hours

- PHED activity
  - Any PHED activity course
    - Recommended
    - 1 semester hour

- AGRI
  - Any AGRI course
    - Recommended
    - 3 semester hours

16 semester hours

**Sophomore Year, First Semester**

- Humanities
  - Any English literature course, SPAN 2311, SPAN 2312, PHIL 1301, or HUMA 1301
    - Core 040
    - 3 semester hours

- GOVT 2301  Constitutions, Federalism, & Participation
  - Core 070
  - 3 semester hours

- SPCH 1315  Fundamentals of Speech
  - Core 011
  - 3 semester hours

- Science
  - BIOL, CHEM, GEOL, or PHYS
    - Core 030
    - 4 semester hours

- AGRI
  - Any Sophomore-level AGRI course
    - Recommended
    - 3 semester hours

16 semester hours

**Sophomore Year, Second Semester**

- GOVT 2302  Institutions, Rights & Public Policies
  - Core 070
  - 3 semester hours

- Science
  - BIOL, CHEM, GEOL, or PHYS
    - Core 030
    - 4 semester hours

- Social/Behavioral Science
  - Any Sophomore-level Social/Behavioral Science
    - Core 080
    - 3 semester hours

- Perf/Visual Arts
  - ARTS, MUSI, or DRAM course
    - Core 050
    - 3 semester hours

- AGRI
  - Any Sophomore-level AGRI course
    - Recommended
    - 3 semester hours

16 semester hours

### Art

This is a recommended list of courses for students who plan to major in Art at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions.

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<tr>
<th>Course</th>
<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
<td>3</td>
</tr>
</tbody>
</table>
### Behavioral Science (Psychology, Sociology/Anthropology)

This is a recommended list of courses for students who plan to major in a Behavioral Science at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen; but must be selected from academic rather than technical courses, as indicated in the course descriptions.

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<tr>
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<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
<td>3</td>
</tr>
</tbody>
</table>
Biology

This is a recommended list of courses for students who plan to major in Biology at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen; but must be selected from academic rather than technical courses, as indicated in the course descriptions.

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<th>Degree Requirements</th>
<th>Sem. Hours</th>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
<td>3</td>
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<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314 or above</td>
<td>College Algebra or above</td>
<td>Core 020</td>
<td>3</td>
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<tr>
<td>BIOL 1406</td>
<td>General Biology I</td>
<td>Core 030</td>
<td>4</td>
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<tr>
<td>CHEM 1411</td>
<td>General Chemistry I</td>
<td>Recommended</td>
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**17 semester hours**

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<td>Composition II</td>
<td>Core 010</td>
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<td>HIST 1302</td>
<td>US History II</td>
<td>Core 060</td>
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<td>BIOL 1407</td>
<td>General Biology II</td>
<td>Core 030</td>
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<td>CHEM 1412</td>
<td>General Chemistry II</td>
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</tr>
<tr>
<td>PHED activity</td>
<td>Any PHED activity course</td>
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**15 semester hours**

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<th>Sem. Hours</th>
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</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>Any English literature course, SPAN 2311, SPAN 2312, PHIL 1301, or HUMA 1301</td>
<td>Core 040</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2301</td>
<td>Constitutions, Federalism, &amp; Participation</td>
<td>Core 070</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>Recommended</td>
<td>4</td>
</tr>
<tr>
<td>Social/Behavioral Science</td>
<td>Any Social/Behavioral Science course</td>
<td>Core 080</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1301</td>
<td>Microcomputer Applications</td>
<td>Recommended</td>
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**16 semester hours**

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<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
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<tbody>
<tr>
<td>Perf/Visual Arts</td>
<td>ARTS, MUSI or DRAM course</td>
<td>Core 050</td>
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<tr>
<td>CHEM 2425</td>
<td>Organic Chemistry II</td>
<td>Recommended</td>
<td>4</td>
</tr>
<tr>
<td>GOVT 2302</td>
<td>Institutions, Rights &amp; Public Policies</td>
<td>Core 070</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 1315</td>
<td>Fundamentals of Speech</td>
<td>Core 011</td>
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</tbody>
</table>

**13 semester hours**

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**Business Administration**

This is a recommended list of courses for students who plan to major in *Business Administration* at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Required courses that are part of a Texas Higher Education Coordinating Board’s approved Field of Study curricula are listed as “FOS”. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions.
WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.

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<th>Course</th>
<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
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</thead>
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<td>Freshman Year, First Semester</td>
<td>ENGL 1301 Composition I</td>
<td>Core 010</td>
<td>3</td>
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<tr>
<td></td>
<td>HIST 1301 US History I</td>
<td>Core 060</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Science B IOL, CHEM, GEOL, or PHYS</td>
<td>Core 030</td>
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<tr>
<td></td>
<td>MATH 1324** Finite Mathematics</td>
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<tr>
<td></td>
<td>BUSI 1301 Business Principles</td>
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<td>PHED</td>
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<td>17 semester hours</td>
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</tr>
<tr>
<td>Freshman Year, Second Semester</td>
<td>ENGL 1302 Composition II</td>
<td>Core 010</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIST 1302 US History II</td>
<td>Core 060</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 1325** Mathematical Analysis for Business</td>
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<td></td>
<td>Perf/Visual Arts ARTS, MUSI, or DRAM course</td>
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<td>Science B IOL, CHEM, GEOL, or PHYS</td>
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<td>16 semester hours</td>
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<tr>
<td>Sophomore Year, First Semester</td>
<td>ACCT 2401 Financial Accounting</td>
<td>FOS</td>
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<td>Humanities Any English literature course, SPAN 2311, SPAN 2312, PHIL 1301, or HUMA 1301</td>
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<tr>
<td></td>
<td>ECON 2301 Macroeconomics</td>
<td>FOS</td>
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<td>GOVT 2301 Constitutions, Federalism, &amp; Participation</td>
<td>Core 070</td>
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<td>BCIS 1305 Business Computer Applications</td>
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<tr>
<td>Sophomore Year, Second Semester</td>
<td>ACCT 2402 Managerial Accounting</td>
<td>FOS</td>
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<td>Social/Behavioral Science Any Social/Behavioral Science course</td>
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<tr>
<td></td>
<td>SPCH 1315 Fundamentals of Speech</td>
<td>FOS</td>
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</tr>
<tr>
<td></td>
<td>GOVT 2302 Institutions, Rights &amp; Public Policies</td>
<td>Core 070</td>
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<tr>
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<td>ECON 2302 Microeconomics</td>
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<td>16 semester hours</td>
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</tbody>
</table>

**Most 4-year colleges require Math 1324 Finite Math & Math 1325 Mathematical Analysis for Business Majors.**

Chemistry

This is a recommended list of courses for students who plan to major in Chemistry at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements.
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<tr>
<td>CHEM 1411</td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
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</tr>
<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
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</tr>
<tr>
<td>PHED Activity</td>
<td>Any PHED Activity course</td>
<td>Core 090</td>
<td>1</td>
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<td>MATH 2413</td>
<td>Calculus I</td>
<td>Core 020</td>
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<td><strong>15 semester hours</strong></td>
<td></td>
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<tr>
<td><strong>Freshman Year, Second Semester</strong></td>
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<tr>
<td>CHEM 1412</td>
<td>General Chemistry II</td>
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<td>ENGL 1302</td>
<td>Composition II</td>
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<tr>
<td>HIST 1302</td>
<td>US History II</td>
<td>Core 060</td>
<td>3</td>
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<tr>
<td>SPCH 1315</td>
<td>Fundamentals of Speech</td>
<td>Core 011</td>
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<td>MATH 2414</td>
<td>Calculus II</td>
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<td></td>
<td><strong>17 semester hours</strong></td>
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<tr>
<td><strong>Sophomore Year, First Semester</strong></td>
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<tr>
<td>Perf/Visual Arts</td>
<td>ARTS, MUSI, or DRAM course</td>
<td>Core 050</td>
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<tr>
<td>Social/Behavioral Science</td>
<td>Any Social/Behavior science course</td>
<td>Core 080</td>
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<tr>
<td>Humanities</td>
<td>Any English literature course, SPAN 2311, SPAN 2312, PHIL 1301, or HUMA 1301</td>
<td>Core 040</td>
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<td>GOVT 2301</td>
<td>Constitutions, Federalism, &amp; Participation</td>
<td>Core 070</td>
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<td>CHEM 2423</td>
<td>Organic Chemistry I</td>
<td>Recommended</td>
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<td></td>
<td><strong>16 semester hours</strong></td>
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<tr>
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<tr>
<td>GOVT 2302</td>
<td>Institutions, Rights &amp; Public Policies</td>
<td>Core 070</td>
<td>3</td>
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<td>CHEM 2425</td>
<td>Organic Chemistry II</td>
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<td>MATH 2415</td>
<td>Calculus III</td>
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<td>PHYS 2425</td>
<td>Engineering Physics I</td>
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<tr>
<td></td>
<td><strong>15 semester hours</strong></td>
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</table>

**Computer Science**

This is a recommended course of study for students who plan to pursue a baccalaureate degree in Computer Science at a four-year institution of higher education in Texas. Students who fully complete this course of study will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather
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</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year, First Semester</td>
<td>COSC 1436 * Programming Fundamentals I</td>
<td>Recommended 4</td>
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<td>ENGL 1301 Composition I</td>
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<td></td>
<td>HIST 1301 US History I</td>
<td>Core 060</td>
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<td>Math 2413 * Calculus I</td>
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<td></td>
<td></td>
<td>14 semester hours</td>
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<td>Freshman Year, Second Semester</td>
<td>ENGL 1302 Composition II</td>
<td>Core 010</td>
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<td>HIST 1302 US History II</td>
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<td>MATH 2414 * Calculus II</td>
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<td>COSC 1437 Programming Fundamentals II</td>
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<tr>
<td>Sophomore Year, First Semester</td>
<td>COSC 2436 Programming Fundamentals III</td>
<td>Recommended 4</td>
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<td>PHYS 2425 * Physics I</td>
<td>FOS/Core 030</td>
<td>4</td>
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<td></td>
<td>GOVT 2301 Constitutions, Federalism, &amp; Participation</td>
<td>Core 070</td>
<td>3</td>
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<td>SPCCH 1315 Fundamentals of Speech</td>
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<td>Sophomore Year, Second Semester</td>
<td>PHYS 2426 * Physics II</td>
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<td></td>
<td>COSC 2425 Computer Organization &amp; Machine Language</td>
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<td>Social/Behavioral Science Any Social/Behavioral Science course</td>
<td>Core 080</td>
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<td></td>
<td>Perf/Visual Arts ARTS, MUSI, or DRAM course</td>
<td>Core 050</td>
<td>3</td>
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<td></td>
<td>GOVT 2302 Institutions, Rights &amp; Public Policies</td>
<td>Core 070</td>
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<tr>
<td></td>
<td>PHED Any PHED activity course</td>
<td>Core 090</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>18 semester hours</td>
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</table>

* 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.

Criminal Justice

This is a recommended course of study for students who plan to pursue a baccalaureate degree offered in conjunction with Criminal Justice at a four-year institution of higher education in Texas. Students who fully complete this course of study will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements
are listed with the corresponding WCJC Core Curriculum Component. Courses listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen; but must be selected from academic rather than technical courses, as indicated in the course descriptions.

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<tr>
<td><strong>Freshman Year, First Semester</strong></td>
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<tr>
<td>CRIJ 1301</td>
<td>Introduction to Criminal Justice</td>
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<tr>
<td>CRIJ 1310</td>
<td>Fundamental of Criminal Law</td>
<td>Recommended</td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>BIOL, CHEM, GEOL, PHYS</td>
<td>Core 030</td>
<td>4</td>
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<tr>
<td>HIST 1301</td>
<td>US History I</td>
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<tr>
<td></td>
<td><strong>16 semester hours</strong></td>
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<td>CRIJ 1306</td>
<td>The Courts and Criminal Procedure</td>
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<td>CRIJ 2301</td>
<td>Community Resources in Corrections</td>
<td>Recommended</td>
<td>3</td>
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<td>Composition II</td>
<td>Core 010</td>
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</tr>
<tr>
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<td>Core 030</td>
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<td>US History II</td>
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<td>CRIJ 2323</td>
<td>Legal Aspects of Law Enforcement</td>
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<td>CRIJ 2328</td>
<td>Police Systems &amp; Practices</td>
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<td>CRIJ 2313</td>
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<td>Institutions, Rights &amp; Public Policies</td>
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<td>Fundamentals of Speech</td>
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<td>COSC 1301</td>
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Drama

This is a recommended list of courses for students who plan to major in DRAMA at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen; but must be selected from academic rather than technical courses, as indicated in the course descriptions.

WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.

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<tr>
<th>Course</th>
<th>Course Title</th>
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<th>Sem. Hours</th>
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<td>US History I</td>
<td>Core 060</td>
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<td>DRAM 1310</td>
<td>Introduction to Theatre</td>
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<td>DRAM 1330</td>
<td>Stagecraft I</td>
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<td>DRAM 1351</td>
<td>Acting I</td>
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<td>DRAM 1120</td>
<td>Rehearsal &amp; Performance</td>
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<td>DRAM 1322</td>
<td>Stage Movement</td>
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<td>DRAM 2351</td>
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<td>DRAM 1162</td>
<td>Musical Theatre</td>
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Engineering

This is a recommended list of courses for students who plan to major in Engineering at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions.

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<td>MATH 2413</td>
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<td>PHED Activity</td>
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<td>Perf/Visual Arts</td>
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English

This is a recommended list of courses for students who plan to major in English at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC core curriculum component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions. English majors are encouraged to take as many literature survey courses as possible; these courses are ENGL 2322, 2323, 2327, 2328, and 2333.

WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
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<th>Sem. Hours</th>
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### General Studies

The General Studies degree includes 42 hours of core curriculum courses, and electives to complete 60 hours of study. The electives should be chosen from courses that will aid the student in an upper-level degree; therefore it is highly recommended the student identify the upper-level university and degree plan they wish to follow before choosing electives.

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<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
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Kinesiology

This is a recommended list of courses for students who plan to major in Kinesiology at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen but must be selected from academic rather than technical courses, as indicated in the course descriptions.

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Total Semester Hours

14 semester hours

16 semester hours

16 semester hours

16 semester hours
Mathematics

This is a recommended list of courses for students who plan to major in Mathematics at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions.

WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
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<td>US History I</td>
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<td>Core 011</td>
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<td>Core 070</td>
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<td>16 semester hours</td>
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Music

This is a recommended course of study for students who plan to pursue a baccalaureate degree offered in conjunction with the MUSIC at a four-year institution of higher education in Texas. Students who fully complete this course of study will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component.

All students who intend to transfer to a four-year institution and major in music should take two semester hours in their primary concentration and perform in student recitals. Entering freshman and transferring music students are evaluated in music theory, applied music, and piano and are placed in requisite courses.

This course of study is intended to facilitate transferability of courses among Texas public colleges and universities. Students who intend to teach music may want to consider the Associate of Arts in Teaching (AAT) Plan C, with an emphasis in Music.

NOTE: Completion of this Music study program does not include completion of all WCJC core course expectations or the state-approved Music Field of Study (FOS). Students should be advised that they may need to complete the remaining core curriculum requirements after they transfer.

WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
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<td>Band or Choir</td>
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<td>MUSI 1181</td>
<td>Class Piano I</td>
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<td>MUSI 1211</td>
<td>Music Theory I</td>
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<td>MUSI 1216</td>
<td>Sight Singing &amp; Ear Training I</td>
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### Nursing: Pre-Baccalaureate Nursing

This is a recommended course of study for students who plan to pursue a baccalaureate degree offered in conjunction with the Field of Study Curriculum for Nursing at a four-year institution of higher education in Texas. Students who fully complete this course of study will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Required courses that are part of a Texas Higher Education Coordinating Board’s approved Field of Study curricula are listed as “FOS”. Courses listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions. The Field of Study curricula are intended to facilitate transferability of courses among Texas public colleges and universities.

Students should identify early the institution to which they intend to transfer to complete the baccalaureate in nursing. These programs generally have
requirements for admission and specific courses required by the program.

**WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.**

<table>
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16 semester hours

**Freshman Year, Second Semester**

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<td>Statistics</td>
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16 semester hours

**Sophomore Year, First Semester**

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17 semester hours

**Sophomore Year, Second Semester**

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14 semester hours

**Physics**

This is a recommended list of courses for students who plan to major in Physics at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen but must be selected from academic rather than technical courses, as indicated in the course
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</table>

**Social Science (History, Geography, Government)**

This is a recommended list of courses for students who plan to major in Social Science at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC core curriculum component. Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen but must be selected from academic rather than technical courses, as indicated in the course descriptions.
WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>Freshman Year, First Semester</strong></td>
<td></td>
<td></td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314 or Above</td>
<td>College Algebra or above</td>
<td>Core 020</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>BIOL, CHEM, GEOL, or PHYS</td>
<td>Core 030</td>
<td>4</td>
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<tr>
<td>PHED</td>
<td>PE Activity Course</td>
<td>Core 090</td>
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<tr>
<td>SPAN 1411 or elective *</td>
<td>Spanish I or elective</td>
<td>Recommended</td>
<td>3-4</td>
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<td></td>
<td></td>
<td>17-18 semester hours</td>
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</tbody>
</table>

| **Freshman Year, Second Semester** |                                   |                     |            |
| ENGL 1302            | Composition II                    | Core 010            | 3          |
| HIST 1302            | US History II                     | Core 060            | 3          |
| COSC 1301            | Microcomputer Applications        | Recommended         | 3          |
| Science              | BIOL, CHEM, GEOL, or PHYS         | Core 030            | 4          |
| SPAN 1412 or elective * | Spanish II or elective        | Recommended         | 3-4        |
|                      |                                   | 16-17 semester hours |            |

| **Sophomore Year, First Semester** |                                   |                     |            |
| English               | Any Literature Course             | Core 040            | 3          |
| GOVT 2301             | Constitutions, Federalism, & Participation | Core 070 | 3          |
| Economics             | ECON 2301 or 2302                 | Core 080            | 3          |
| Social Science        | Any ECON, GEOG, HIST course       | Recommended         | 3          |
| SPCH 1315             | Fundamentals of Speech            | Core 011            | 3          |
|                      |                                   | 15 semester hours   |            |

| **Sophomore Year, Second Semester** |                                   |                     |            |
| Humanities            | Any English literature course, SPAN 2311, SPAN 2312, PHIL 1301, or HUMA 1301 | Recommended | 3          |
| GOVT 2302             | Institutions, Rights & Public Policies | Core 070 | 3          |
| Social Science        | Any ECON, GEOG, HIST course        | Recommended         | 3          |
| Social Science        | Any ECON, GEOG, HIST course        | Recommended         | 3          |
| Perf/Visual Art       | ARTS, MUSI, or DRAM course         | Core 050            | 3          |
|                      |                                   | 15 semester hours   |            |

*The number of foreign language hours required for a BA or BS degree depends on the college offering the degree. Consult the degree plan from the four-year college you wish to attend. Please note that SPAN 1411 and 1412 do not count as Core 040 Humanities courses.

Speech

This is a recommended list of courses for students who plan to major in Speech at a university. Students who complete this program will be eligible to apply for the Associate of Arts degree at WCJC. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC core
**curriculum component.** Courses that are listed as “Recommended” are electives that will contribute to AA degree requirements. Different electives may be chosen but must be selected from academic rather than technical courses, as indicated in the course descriptions.

**WCJC’s AA degree requires 60 hours; students should be aware they may not be able to transfer more than 60-66 hours.**

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<thead>
<tr>
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<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
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<tr>
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<td></td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
<td>3</td>
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<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
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</tr>
<tr>
<td>Science</td>
<td>BIOL, CHEM, GEOL, or PHYS</td>
<td>Core 030</td>
<td>4</td>
</tr>
<tr>
<td>SPCH 1315</td>
<td>Fundamentals of Speech</td>
<td>Core 011</td>
<td>3</td>
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<tr>
<td>Math</td>
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**16 semester hours**

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<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>Core 010</td>
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<tr>
<td>HIST 1302</td>
<td>US History II</td>
<td>Core 060</td>
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<tr>
<td>Science</td>
<td>BIOL, CHEM, GEOL, or PHYS</td>
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<td>SPCH 1318</td>
<td>Interpersonal Communication</td>
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<tr>
<td>Perf/Visual Arts</td>
<td>ARTS, DRAM, or MUSI course</td>
<td>Core 050</td>
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<tr>
<td>PHED</td>
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**17 semester hours**

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<th>Sem. Hours</th>
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<td></td>
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<tr>
<td>GOVT 2301</td>
<td>Constitutions, Federalism, &amp; Participation</td>
<td>Core 070</td>
<td>3</td>
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<tr>
<td>English</td>
<td>Any English literature course, SPAN 2311, SPAN 2312, PHIL 1301, or HUMA 1301</td>
<td>Core 040</td>
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<td>Social Science</td>
<td>Social Science course</td>
<td>Core 080</td>
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<tr>
<td>SPCH 1321</td>
<td>Business and Professional Speaking</td>
<td>Recommended</td>
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<tr>
<td>SPCH 1342</td>
<td>Voice and Articulation</td>
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**15 semester hours**

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<th>Course Title</th>
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<tr>
<td>GOVT 2302</td>
<td>Institutions, Rights &amp; Public Policies</td>
<td>Core 070</td>
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<td>SPCH 2341</td>
<td>Oral Interpretation</td>
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<td>COSC 1301</td>
<td>Computer course</td>
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<tr>
<td>Performing Arts</td>
<td>DRAM or MUSI course</td>
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</table>

**15 semester hours**

**Associate of Arts in Teaching (AAT) Degree Transfer Programs**

WCJC awards the Associate of Arts in Teaching degree for students planning to pursue baccalaureate programs that lead to initial Texas teacher certification. There are three AAT tracks that include 60-66 semester credit (SCH) hours of coursework. *Plan A* leads to Initial Texas Teacher Certification EC-4 Early
Childhood Degree Specialization Only; *Plan B* leads to Initial Texas Teacher Certification EC-4 (except Early Childhood Degree Specialization), 4-8, EC-12; and *Plan C* leads to Initial Texas Teacher Certification 8-12, and Other EC-12 Certifications.

---

**Associate of Arts in Teaching (AAT) - Plan A**  
Leading to Initial Texas Teacher Certification EC-4 Early Childhood Degree Specialization Only

This is a recommended course of study for students who plan to pursue a baccalaureate degree at any Texas public university offering baccalaureate programs leading to initial teacher certification.

*It is recommended that students contact the transferring university to determine which courses will be accepted.*

The Early Childhood “degree specialization” refers only to the degree program offered at a university and not to a particular SBEC certification area. All EC-4 Generalists (except EC-4 Generalist Bilingual and EC-4 Generalist ESL) no matter the university degree specialization take the same TExES examination for certification are certified to teach in any EC-4 classroom. **Students taking the TECA courses will be required to complete and pass a criminal history check.** Students who fully complete this course of study will be eligible to apply for the Associate of Arts in Teaching degree at WCJC.

Completion of an AAT does not necessarily guarantee admission to a university teacher education program. Any additional requirements with regard to grade point average and assessments must be satisfied as required by the receiving university.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
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<td>3</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
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<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>Core 020</td>
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</tr>
<tr>
<td>Science w/lab</td>
<td>BIOL, CHEM, GEOL, or PHYS</td>
<td>Core 030</td>
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<tr>
<td>TECA 1311</td>
<td>Educating Young Children</td>
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**Freshman Year, First Semester**

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<th>Sem. Hours</th>
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<td>Fundamentals of Speech</td>
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<td>HIST 1302</td>
<td>US History II</td>
<td>Core 060</td>
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<td>Any PE Activity Course</td>
<td>Core 090</td>
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<tr>
<td>TECA 1318</td>
<td>Wellness of the Young Child</td>
<td>AAT Core</td>
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**Freshman Year, Second Semester**

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<th>Sem. Hours</th>
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<td>SFCCH 1315</td>
<td>Fundamentals of Speech</td>
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<td>HIST 1302</td>
<td>US History II</td>
<td>Core 060</td>
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<td>Any PE Activity Course</td>
<td>Core 090</td>
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<tr>
<td>TECA 1318</td>
<td>Wellness of the Young Child</td>
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Sophomore Year, First Semester

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<td>GOVT 2301</td>
<td>Constitutions, Federalism, &amp; Participation</td>
<td>Core 070</td>
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<tr>
<td>MATH 1350</td>
<td>Fundamentals of Math I</td>
<td>AAT Core</td>
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</tr>
<tr>
<td>TECA 1303</td>
<td>Family, School, &amp; Community</td>
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<tr>
<td>Science w/lab</td>
<td>BIOL, CHEM, GEOL., or PHYS</td>
<td>Core 030</td>
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13 semester hours

Sophomore Year, Second Semester

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<th>Sem. Hours</th>
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<tbody>
<tr>
<td>Performing/Visual Arts</td>
<td>ARTS, DRAMA, or MUSI course from core 050</td>
<td>Core 050</td>
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<tr>
<td>GOVT 2302</td>
<td>Institutions, Rights &amp; Public Policies</td>
<td>Core 070</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1303 or HIST 2301</td>
<td>World Geography or History of Texas</td>
<td>Core 080</td>
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<td>TECA 1354</td>
<td>Child Growth &amp; Development</td>
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<td>MATH 1351</td>
<td>Fundamentals of Math II</td>
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</table>

16 semester hours

Associate of Arts in Teaching (AAT) - Plan B
Leading to Initial Texas Teacher Certification EC-4 (except Early Childhood Degree Specialization), 4-8, EC-12

This is a recommended course of study for students who plan to pursue a baccalaureate degree at any Texas public university offering baccalaureate degree programs leading to initial teacher certification. Students who fully complete this course of study will be eligible to apply for the Associate of Arts in Teaching degree at WCJC. Students taking the Education courses will be required to complete and pass a criminal history check.

Completion of an AAT does not necessarily guarantee admission to a university teacher education program. Students who complete the AAT will be required to meet any and all entrance requirements of the receiving university and the educator preparation program, including grade point average and/or testing requirements.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Degree</th>
<th>Sem. Hours</th>
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</thead>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
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<tr>
<td>HIST 1301</td>
<td>US History I</td>
<td>Core 060</td>
<td>3</td>
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<tr>
<td>Math 1314</td>
<td>College Algebra</td>
<td>Core 020</td>
<td>3</td>
</tr>
<tr>
<td>Science w/lab</td>
<td>BIOL., CHEM, GEOL., or PHYS</td>
<td>Core 030</td>
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<td>PHED</td>
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14 semester hours

Freshman Year, Second Semester

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<th>Sem. Hours</th>
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<td>ENGL 1302</td>
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<td>Core 010</td>
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</table>
### Associate of Arts in Teaching (AAT) - Plan C
### Leading to Initial Texas Teacher Certification 8-12, Other EC-12

This is a recommended course of study for students who plan to pursue a baccalaureate degree at any Texas public university offering baccalaureate degree programs leading to initial teacher certification in specific content area teaching fields/academic disciplines. Students who fully complete this course of study will be eligible to apply for the Associate of Arts in Teaching degree at WCJC. **Students taking the education courses will be required to complete and pass a criminal history check.**

Completion of an AAT does not guarantee admission to a university teacher education program. Students who complete the AAT will be required to meet any and all entrance requirements of the receiving university and the educator preparation program, including grade point average and/or testing requirements.

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<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>Core 010</td>
<td>3</td>
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<tr>
<td>HIST 1301</td>
<td>US History I</td>
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</tr>
<tr>
<td>Science w/lab</td>
<td>BIOL, CHEM, GEOL, or PHYS</td>
<td>Core 030</td>
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<tr>
<td>EDUC 1301</td>
<td>Introduction to the Teaching Profession</td>
<td>AAT Core</td>
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**16 semester hours**

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<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Degree Requirements</th>
<th>Sem. Hours</th>
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<tbody>
<tr>
<td>ENGL 2327</td>
<td>American Lit I</td>
<td>Core 040</td>
<td>3</td>
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<tr>
<td>GOVT 2301</td>
<td>Constitutions, Federalism, &amp; Participation</td>
<td>Core 070</td>
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<td>MATH 1350</td>
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<td>AAT Core</td>
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<td>Science</td>
<td>Any Natural Science</td>
<td>AAT Core</td>
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<td>EDUC 2301</td>
<td>Introduction to Special Populations</td>
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**15 semester hours**

### Freshman Year, First Semester

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<td>US History I</td>
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<td>MATH 1314</td>
<td>College Algebra</td>
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<td>3</td>
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<td>BIOL, CHEM, GEOL, or PHYS</td>
<td>Core 030</td>
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**14 semester hours**
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<td>HIST 1302 US History II</td>
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<td>EDUC 1301 Introduction to the Teaching Profession</td>
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**16-17 semester hours**

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<td>GOVT 2301 Constitutions, Federalism, &amp; Participation</td>
</tr>
<tr>
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<tr>
<td>*Content Area</td>
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<tr>
<td>EDUC 2301 Introduction to Special Populations</td>
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**15-17 semester hours**

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<tbody>
<tr>
<td>Performing/Visual Arts</td>
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<tr>
<td>GOVT 2302 Institutions, Rights &amp; Public Policies</td>
</tr>
<tr>
<td>GEOG 1303 or HIST 2301 World Geography or History of Texas</td>
</tr>
<tr>
<td>*Content Area</td>
</tr>
<tr>
<td>SPCH 1315 Fundamentals of Speech</td>
</tr>
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</table>

**15-16 semester hours**

WCJC is able to offer 12 academic hours in the following content area teaching fields/academic disciplines. Students are advised to check with the transfer university when making content selections.

**Content Coursework**

| EC-12 Music | PHED 1306, PHED 1301, PHED 1304, PHED 1346 |
| EC-12 Physical Education | Select 12 hours from MUSI Field of Study Courses |
| EC-12 Art | Select 12 hours of ARTS Core 050 courses |
| EC-12 Theatre | Select 12 hours of DRAMA courses |
| 8-12 Math | Select 12 hours from Core 020 courses |
| 8-12 Life Sciences | Select 12 hours from Core 030 BIOL courses |
| 8-12 Physical Sciences | Select 12 hours from CHEM and/or GEOL Core 030 courses |
| 8-12 Science | Select 12 hours from Core 030 courses |
| 8-12 English, Language | Select 12 hours from ENGL Core 040 courses |
| Arts, and Reading | |
| 8-12 Computer Science | COSC 1436, COSC 1437, COSC 2436 |
| 8-12 Speech | SPCH 1318, SPCH 1321, SPCH 1342, SPCH 2341 |
| 8-12 Business Education | BUSI 1301, BUSI 2301, BUSI 2304 |
| 8-12 Foreign Languages | SPAN 1411, SPAN 1412, SPAN 2311, SPAN 2312 |

Associate of Applied Science (AAS)
Degrees and Certificates
Certificate Programs

Wharton County Junior College's certificates and certification programs are designed to prepare completers with specific occupational skills that enable them to enter the workforce in a short period of time.

The minimum acceptable standard of satisfactory progress is a cumulative average of at least 2.0 grade points on attempted semester credit hours. Certificates will not be awarded unless the minimum standard of work (2.0 GPA) is achieved in all coursework required to complete the certificate.

Courses required in a certificate program may be transferred from equivalent courses taken at another accredited institution for up to 25% of the total certificate program hours, with approval of the Department Head.

Associate of Applied Science (AAS) Degree

The Associate of Applied Science is an occupationally oriented degree. Its primary purpose is to prepare students for entry into a particular occupation upon completion of the degree. Descriptions of WCJC's AAS degrees, along with required degree plans, are listed alphabetically. All AAS degree programs are comprised of between 60 – 72 semester credit hours, and must contain a minimum of 15 semester credit hours of General Education courses, including one course* from each of the three following areas:

<table>
<thead>
<tr>
<th>Math/Natural Science with Lab</th>
<th>Any college-level MATH course. Any laboratory science course. Note: If taking one of the following science courses the corresponding lab must be taken. BIOL 2306 + BIOL 2106, GEOL 1303 + GEOL 1103, GEOL 1304 + GEOL 1104</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social/Behavioral Science</td>
<td>ANTH 2346, 2351; CRIJ 1307; ECON 2301 or 2302; GEOG 1303; GOVT 2301 or 2302; HIST 1301, 1302, 2301, 2311 or 2312; PSYC 2301, 2306, 2314 or 2315; SOCI 1301, 1306, 2306 or 2319</td>
</tr>
<tr>
<td>Humanities or Performing/Visual Arts</td>
<td>ARTS 1303, 1304 or 1313; DRAM 1310 or 2366; ENGL 2322, 2323, 2327, 2328, 2332, 2333 or 2341; HIST 2311 or 2312; HUMA 1301; MUSI 1306, 1308, 1309 or 1310; PHIL 1301; SPAN 1411, 1412, 2311 or 2312</td>
</tr>
</tbody>
</table>

*NOTE: A course cannot count toward more than one general education requirement.
General Education Electives

The remaining general education courses must be academic transfer courses of collegiate level and general in nature, not geared to a specific occupation.

AAS College-level Competencies

Six basic intellectual competencies, reading, writing, speaking, listening, critical thinking, and computer literacy, as noted by the Texas Higher Education Coordinating Board (THECB) are deemed essential to the learning process. These competencies are integrated into the instruction methods of the courses within the general education core for AAS degrees at WCJC.

Applicants for the Associate of Applied Science (AAS) degree must:

1. Satisfy all conditions for admission.
2. Pass all three sections of the THEA test or satisfy the basic skills requirement in a way prescribed by the THECB.
3. Successfully complete all coursework according to program deadlines.
4. Complete at least twenty-four (24) semester hours, including nine of the last fifteen hours, at Wharton County Junior College.
5. Meet all financial obligations to the college.

Note: Programs and courses within programs are subject to deletion or change without notice by action of the Board of Trustees of Wharton County Junior College.

The following degree plans list the specific course requirements for each AAS degree or certificate that WCJC awards.

Automotive Technology Certificate and AAS Degree

Certificate: (39 semester credit hours)
AAS Degree: (71-72 semester credit hours)

A Certificate and Associate of Applied Science degree program offered by the Division of Vocational Science.

This certificate and AAS degree program is designed to provide an individual
with classroom and laboratory experiences on the proper use of hand tools, power tools, diagnostic testing equipment, and technical manuals in all phases of automotive maintenance and repair. Skills and techniques are developed, through use of Automotive Service Excellence standards, the diagnosis, removal, and replacement of parts including inspection, engine overhaul, electrical systems, carburetion, fuel injection, brakes, transmissions (automatic and manual), suspension and steering, heating and air-conditioning systems, and engine performance.

A certificate of completion in automotive technology may be earned in a twelve-month period. The student must maintain a minimum GPA of 2.0 (a C average in the curriculum below). The curriculum for the one-year certificate in Automotive Technology is designed for the student to learn and develop job skills. The program is based on Automotive Service Excellence (ASE) standards and prepares the students for the ASE certification tests.

The automotive technology program provides work-place experiences recommended by the U.S. Department of Labor Secretary’s Commission on Achieving Necessary Skills (SCANS).

Enrollment into the Automotive Technology program must meet THEA minimum requirement in reading.

**Students are required to provide their own hand tools and work uniforms.**

Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science degree. Contact your transfer university for information.

**AUTOMOTIVE TECHNOLOGY CERTIFICATE CURRICULUM**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUMT 1301*</td>
<td>Intro and Theory of Automotive Technology</td>
<td>3*</td>
</tr>
<tr>
<td>AUMT 1407**</td>
<td>Automotive Electrical Systems</td>
<td>4</td>
</tr>
<tr>
<td>AUMT 1419**</td>
<td>Automotive Engine Repair</td>
<td>4</td>
</tr>
<tr>
<td>AUMT 2417**</td>
<td>Automotive Engine Performance Analysis I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 semester hours</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUMT 1301*</td>
<td>Intro and Theory of Automotive Technology</td>
<td>3*</td>
</tr>
<tr>
<td>AUMT 1410**</td>
<td>Automotive Brake Systems</td>
<td>4</td>
</tr>
<tr>
<td>AUMT 2413**</td>
<td>Automotive Drive Train and Axles</td>
<td>4</td>
</tr>
<tr>
<td>AUMT 2425**</td>
<td>Automotive Automatic Transmissions and Transaxles</td>
<td>4</td>
</tr>
<tr>
<td>AUMT 2434**</td>
<td>Automotive Engine Performance Analysis II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>16-19 semester hours</td>
</tr>
<tr>
<td><strong>Summer Session I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUMT 1445**</td>
<td>Automotive Heating and Air Conditioning</td>
<td>4</td>
</tr>
</tbody>
</table>
AUMT 1416** | Automotive Suspension and Steering Systems | 4

** Students must be enrolled in all Automotive Technology courses for each semester.

### AUTOMOTIVE TECHNOLOGY AAS DEGREE CURRICULUM

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUMT 1416**</td>
<td>Automotive Suspension and Steering Systems</td>
<td>8 semester hours</td>
</tr>
</tbody>
</table>

A one-year certificate will be presented at the completion of the above curriculum with at least a "C" average overall.

* Enrollment in the Automotive Technology program is open to new students at the beginning of the Fall and Spring semesters. New students must enroll in AUMT 1301 as an introductory course during their first semester.

** Students must be enrolled in all Automotive Technology courses for each semester.
AUMT 1301 as an introductory course during their first semester.

**Students must be enrolled in all Automotive Technology courses for each semester.**

**Capstone Experience:** An exit exam will be administered to all students upon completion of the one-year certificate. The capstone test will consist of 80 questions with 10 questions in each of the eight areas of Automobile Service Excellence (ASE) certification.

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**Computer Science:**

**CISCO Router Networking Certificate**

**CISCO Academy**

(22 semester credit hours)

A Certificate offered by the Division of Technology and Business.

The Cisco Router Networking Certificate program is designed to teach individuals to work with networks. This certificate prepares students for entry-level careers as Network Support Specialists, Network Control Technicians, Network Technicians, and LAN or WAN Technicians. Upon completion of this program, students will become eligible to take the Cisco Certified Network Associate (CCNA) Certification test and the Network + Certification Test. After successfully completing the CCNA test the student will be recognized as a Cisco Certified Associate with Cisco Systems Incorporated.

Courses in this program are offered primarily at the Fort Bend Technical Center campus in Richmond. Some courses may also be offered at the main campus in Wharton.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITSC 1305</td>
<td>Introduction to PC Operating Systems</td>
<td>3</td>
</tr>
<tr>
<td>ITSC 1325</td>
<td>Personal Computer Hardware</td>
<td>3</td>
</tr>
<tr>
<td>ITCC 1401</td>
<td>Cisco Exploration – Network Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ITCC 1404</td>
<td>Cisco Exploration 2 – Router and Routing Basics</td>
<td>4</td>
</tr>
<tr>
<td>ITCC 2408</td>
<td>Cisco Exploration 3 – LAN Switching and Wireless</td>
<td>4</td>
</tr>
<tr>
<td>ITCC 2410</td>
<td>Cisco Exploration 4 – Accessing the WAN</td>
<td>4</td>
</tr>
</tbody>
</table>

22 Semester hours

---

**Computer Science:**
Computer Programming AAS Degree
(68 semester credit hours)

An Associate of Applied Science degree program offered by the Division of Technology and Business.

The Computer Programming degree program is designed to prepare students for entry-level career opportunities in software development, web design, and web application programming. The curriculum of the program includes an introduction to operating systems such as Microsoft Windows and Linux and various programming languages with an emphasis on Java. The degree program also includes a capstone software project that incorporates skills and abilities gained throughout the degree program such as gathering requirements, performing system analysis, writing programming code, and documenting.

Courses in this program are primarily offered at the main campus in Wharton and at the Sugar Land campus. (Some classes may also be offered at the Fort Bend Technical Center in Richmond.)

Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science. Contact your transfer university for more information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>ITSC 1305</td>
<td>PC Operating System</td>
<td>3</td>
</tr>
<tr>
<td>Math Elective</td>
<td>MATH 1314 College Algebra or higher</td>
<td>3</td>
</tr>
<tr>
<td>ITSE 1329</td>
<td>Programming Logic and Design</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1436</td>
<td>Programming Fundamentals I</td>
<td>4</td>
</tr>
<tr>
<td>ITNW 1325 or ITCC 1401</td>
<td>Fundamentals of Networking or Cisco Exploration I</td>
<td>3-4</td>
</tr>
</tbody>
</table>

16 semester hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITSC 1307</td>
<td>UNIX Operating System I</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1437</td>
<td>Programming Fundamentals II</td>
<td>4</td>
</tr>
<tr>
<td>ITSW 1307</td>
<td>Introduction to Database</td>
<td>3</td>
</tr>
<tr>
<td>ITSE 1311</td>
<td>Beginning Web Programming</td>
<td>3</td>
</tr>
</tbody>
</table>

16 semester hours
<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer I</td>
<td>ENGL 1301 English Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Math or Science Elective*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any college-level MATH or Science course</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>16-17 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td>Sophomore Year, First Semester</td>
<td>ITSE 1350 System Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITSE 2309 Database Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ARTS, DRAM, or MUSI Elective*</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Any ARTS, DRAM, or MUSI course</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ITSE 2302 Intermediate Web Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GOVT 2301 Constitutions, Federalism, &amp; Participation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>6-7 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td>Sophomore Year, Second Semester</td>
<td>ITSE 2321 Object-Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>INEW 2330 (CC) Computer Software Project</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>INEW 2334 Advanced Web Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 1302 or Computer Science elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Accounting/Business Elective</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Choose from ACCT 2401, BUSI 1301, or MRKG 1301</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>15 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(CC) = Capstone Course</td>
<td></td>
</tr>
</tbody>
</table>

**Computer Science:**  
**PC Technical Support Certificate**  
(30-31 semester credit hours)

A Certificate offered by the Division of Technology and Business.

**PC Technical Support Certificate**

The PC Technical Support certificate program is designed to prepare students for entry-level desktop support positions. Typical job duties may include providing hardware and software technical assistance to end users, resolving basic computer and network problems, installing or repairing hardware and software, and training end users. The curriculum of the program includes PC operating systems such as Microsoft Windows and Linux, PC and network hardware, end-user application software, troubleshooting techniques, customer service skills, and basic networking techniques. Several classes in the curriculum prepare students to obtain industry certifications, such as IC3 and CompTIA A+. Classes offered in the PC Technical Support certificate program can also be applied toward the AAS in Network Administration degree.

This program is currently offered at the main campus in Wharton and at the Fort Bend Technical Center in Richmond.
### Computer Science: Network Administration

**AAS Degree**

(68 semester credit hours)

An Associate of Applied Science degree offered by the Division of Technology and Business.

The Network Administration AAS degree program is designed to prepare students for positions in the networking field. The curriculum of the program covers planning, implementing, managing, and troubleshooting a network infrastructure. Topics include Microsoft client and server operating systems, Unix client and server operating systems, PC hardware, network hardware, routing, security, and critical server applications. Several classes in the Network Administration curriculum prepare students to obtain industry certifications. Classes offered in the Cisco Router Networking certificate program and the PC Technical Support certificate program can also be applied toward the AAS in Network Administration degree.

This program is currently offered at the main campus in Wharton and at the Fort Bend Technical Center in Richmond.

Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science degree. Contact your transfer university for more information.

---

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>ITSC 1325</td>
<td>Personal Computer Hardware</td>
<td>3</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITNW 1325 or ITCC 1401</td>
<td>Fundamentals of Networking, or Cisco Exploration – Network Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>ITSE 1311</td>
<td>Beginning Web Page Programming</td>
<td>3</td>
</tr>
<tr>
<td>ITSE 1311</td>
<td>Beginning Web Page Programming</td>
<td>3</td>
</tr>
<tr>
<td>ITNW 1307</td>
<td>Unix Operating System I</td>
<td>3</td>
</tr>
<tr>
<td>ITSW 1307</td>
<td>Introduction to Database</td>
<td>3</td>
</tr>
<tr>
<td>ITSC 2339</td>
<td>Personal Computer Help Desk</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Freshman Year, First Semester**

- COSC 1300: Introduction to Computing (3 semester hours)
- ITSC 1325: Personal Computer Hardware (3 semester hours)

**Freshman Year, Second Semester**

- ITNW 1325 or ITCC 1401: Fundamentals of Networking, or Cisco Exploration – Network Fundamentals (3 semester hours)
- ITSE 1311: Beginning Web Page Programming (3 semester hours)
- ITNW 1307: Unix Operating System I (3 semester hours)
- ITSW 1307: Introduction to Database (3 semester hours)
- ITSC 2339: Personal Computer Help Desk (3 semester hours)
ITSC 1305  PC Operating System  3
ITSE 1329 or COSC 1436  Programming Logic and Design or Programming Fundamentals I  3
MATH 1314  College Algebra  3

**Freshman Year, Second Semester**

ITCC 1401  Cisco Exploration – Network  4
CSIR 2351  Fiber Optic Communication System Installation and Repair  3
ENGL 1301  Composition I  3
ITNW 2305  Network Administration  3
ITSC 1307  Unix Operating System I  3

**15 semester hours**

Summer I

ITCC 1404  Cisco Exploration 2 – Routing Protocols and Concepts  4
GOVT 2301  Constitutions, Federalism, & Participation  3

**16 semester hours**

**Sophomore Year, First Semester**

ITSY 1342  Information Technology Security  3
ITNW 1345  Implementing Network Directory Services  3
ITSC 1358  UNIX Administration I  3
Elective**  Science or CETT 1331 or any ITSC, ITCC, ITNW, IMED, ITSW, or ITSE course  3
ENGL 1302  Composition II  3

**7 semester hours**

Sophomore Year, Second Semester

ITNW 2311  Implementing Mail Servers  3
ARTS, DRAMA, MUSI elective  3
ITNW 2335 (CC)  Network Troubleshooting and Support  3
Elective**  Science or CETT 1331 or any ITSC, ITCC, ITNW, IMED, ITSW, or ITSE course  3
ITNW 2352  Administering SQL Server  3
CC = Capstone Course

**15 semester hours**

**Electives: If planning to continue on to a 4-year degree, at least 6 hours of Science should be taken for electives. If not, any ITSC, ITCC, ITNW, IMED, ITSW, or ITSE elective can be taken.**

---

**Cosmetology Certificate**

(37 semester credit hours)

A certificate program offered by the Division of Vocational Science.

The certificate program in cosmetology prepares students by developing positive attitudes as well as skills and technical knowledge necessary for competency in the field of cosmetology.

This program allows students the opportunity to acquire the individual skills necessary to complete the State Cosmetology Board Examination.
The student must have a 2.0 overall GPA to receive a certificate.

**Entrance Requirements:**

1. Complete the Nelson-Denny reading test. The test is given by appointment at the Wharton County Junior College Testing Center. Call the Testing Center at (979) 532-6386 or (979) 532-6457 for test dates and times. Students that want to schedule an appointment to test at the Sugar Land Campus need to call 281-243-8434 for testing dates and times. For students that want to test at the Fort Bend Technical Center, please call 281-239-1532 for testing schedules and registration procedures. Students must have an application on file with WCJC prior to test date at all locations.

2. Selection of students accepted to the Cosmetology program is based on the ranking of the Nelson-Denny Reading Test.

3. Complete an application for admission.

4. Provide a high-school transcript or copy of GED certificate and, if applicable, a transcript from each college or accredited cosmetology school attended.

5. Provide proof of residency in the State of Texas for at least 12 months prior to enrolling in the program.

**Plan of Instruction**

The program in cosmetology consists of 12 calendar months or 10-1/2 months. Students register each semester (Fall, Spring and Summer). The program is offered in Wharton. Inquiries concerning admission and registration should be directed to the Cosmetology Department in Wharton at (979) 532-6422. Evening classes are also available.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMSE 1193</td>
<td>Special Topics in Cosmetic Services, General</td>
<td>1</td>
</tr>
<tr>
<td>CSME 1401</td>
<td>Orientation to Cosmetology</td>
<td>4</td>
</tr>
<tr>
<td>CSME 1405</td>
<td>Fundamentals of Cosmetology</td>
<td>4</td>
</tr>
<tr>
<td>CSME 2441</td>
<td>Prep for the State Licensing Exam</td>
<td>4</td>
</tr>
<tr>
<td>CSME 1391</td>
<td>Special Topics in Cosmetic Services, General</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>16 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSME 1451</td>
<td>Artistry of Hair Theory and Products</td>
<td>4</td>
</tr>
<tr>
<td>CSME 2439</td>
<td>Advanced Hair Design</td>
<td>4</td>
</tr>
</tbody>
</table>
Dental Hygiene AAS Degree
(72 semester credit hours)

An Associate of Applied Science degree program offered by the Division of Allied Health.

The program in dental hygiene consists of a combination of subject matter, experiences, and general liberal-arts courses designed to prepare a person to provide dental hygiene services to patients. The dental hygienist's primary functions include oral prophylaxis, taking and processing radiographs, and oral-health education. The program is accredited by the Commission on Dental Accreditation of the American Dental Association; a specialized accrediting body recognized by the Council on Post-secondary Accreditation and by the United States Department of Education and is approved by the Texas State Board of Dental Examiners. Graduates of the program are eligible to take the National Board Examination and Western Regional Board Examination for licensure. Students entering the Dental Hygiene program should have a strong science background; therefore, four hours of college chemistry with a minimum grade of "C" is strongly recommended. Special consideration for acceptance will be given to applicants meeting this recommendation. The program is only offered at the Wharton campus.

Admission Requirements and Procedures
The Dental Hygiene program has a limited enrollment. Prerequisites for acceptance into the freshman Dental Hygiene class are:
1. Eligibility for admission to Wharton County Junior College.
2. Evidence of high school chemistry (2 semesters) or equivalent (4 hrs. college chemistry – CHEM 1405 or 1411) with a minimum grade of C.
3. Minimum reading score of 18 and minimum composite score of 19 on the national American College Test (ACT) taken within five years of admission to program, or pre-approved equivalent.
4. Evidence of 8 hours of college credit in Human Anatomy and Physiology I and II (BIOL 2401 and 2402) with a minimum grade of C.
5. Minimum GPA 2.5 in requisite courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2420*</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2301</td>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 1301</td>
<td>Sociology</td>
<td>3</td>
</tr>
<tr>
<td>Speech</td>
<td>SPCH 1315, 1318, or 1321</td>
<td>3</td>
</tr>
<tr>
<td>Humanities or Visual/Performing Arts elective***</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

*Taken within the last five years

***This elective must be selected from the list of core requirements for AAS degrees.

Applicants must submit the following no later than December 1st for early selection, and no later than May 31st for final selection:
1. High school and college transcripts to the Office of Admissions and Registration and to the Director of Dental Hygiene.
2. ACT scores to the Office of the Admissions and Registration and to the Director of Dental Hygiene (national test preferred).
3. Dental Hygiene Application Form to the Director of Dental Hygiene.
4. Documentation of Hepatitis B immunization, completion or in progress.
5. Submit evidence of 8 hours of college credit in BIOL 2401 and BIOL 2402 to the Director of Dental Hygiene.
6. Submit proof of dental work experience, if applicable, to the Director of Dental Hygiene.

Upon selection to the program, full acceptance is contingent upon the following:
1. Remittance of a non-refundable deposit of $125 to secure final admission;
2. Proof of current “Health Care Provider” CPR from the American Red Cross or American Heart Association;
3. Proof of required immunizations (Hepatitis B series, measles, mumps, rubella, varicella);
4. Documentation of annual tuberculosis screening (positive results require follow-up);
5. Completion of technical standards and health information form;
6. Completion of satisfactory criminal background check and negative drug and alcohol screening.

**Criminal Background Checks**
Most clinical facilities require that criminal background checks and drug screenings be completed prior to allowing students to participate in clinical
training at their facilities. The Texas State Board of Dental Examiners may deny application for licensure because of a person’s conviction under state or federal law of a felony or misdemeanor that directly relates to the duties and responsibilities of the profession for which the person seeks licensure. Therefore, applicants conditionally accepted into the WCJC Dental Hygiene program will be required to complete a criminal background check and drug screening. Final acceptance into the program is contingent upon a satisfactory background check and drug screening, which will be completed by an approved agency. An applicant with an unsatisfactory criminal background check must confer with the Director of Dental Hygiene prior to being eligible to receive full acceptance and enroll in the Dental Hygiene program.

An applicant with a positive drug screen will not gain acceptance into the program for that application period. The applicant must re-apply after a minimum of twelve months, and provide documentation of successful counseling and treatment.

The cost of the criminal background check and drug screening will be at the applicant’s expense, and the anticipated cost is approximately $105.00.

**Expenses**

Each Dental Hygiene student must purchase instruments, supplies, pin, and insurance costing approximately $2,500. Scholarships are available, and students may contact the Student Financial Aid office for information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2401</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2402</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td><strong>8 semester hours</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DHYG 1301</td>
<td>Orofacial Anatomy, Histology &amp; Embryology</td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1311</td>
<td>Periodontology</td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1431</td>
<td>Preclinical Dental Hygiene</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2420</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>***Humanities or Visual/Performing Arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>17 semester hours</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Year, Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DHYG 1339</td>
<td>General and Oral Pathology</td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1304</td>
<td>Dental Radiology</td>
<td>3</td>
</tr>
<tr>
<td>DHYG 1261</td>
<td>Clinical Dental Hygiene I</td>
<td>2</td>
</tr>
<tr>
<td>DHYG 1227</td>
<td>Preventive Dental Hygiene Care</td>
<td>2</td>
</tr>
<tr>
<td>DHYG 1307</td>
<td>General &amp; Dental Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td><strong>16 semester hours</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Summer Session I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DHYG 1319</td>
<td>Dental Materials</td>
<td>3</td>
</tr>
</tbody>
</table>
Capstone Experience: During the last semester of the program, the capstone experience consists of a Mock National Board Dental Hygiene Examination that tests comprehensive cognitive abilities. The Mock examination assesses the ability to understand important information from basic biomedical, dental, and dental hygiene sciences and also the ability to apply such information in a problem-solving context. Successful completion of the mock examination is a pre-requisite to taking the National Board Dental Hygiene Examination prior to graduation.

Early Childhood Certificates and AAS Degree
Level I Administrative Certificate: (32 semester credit hours)
Level I Technical Certificate: (36-38 semester credit hours)
AAS Degree: (64-66 semester credit hours)

A Certificate and Associate of Applied Science degree program offered by the Division of Technology and Business.

Special Admissions Requirements for Early Childhood Programs

Documentation must be provided and/or on file for the following within the first week of your first early childhood course:

1. A signed statement that you have read and agree to abide by the Texas minimum Standards for day care centers.
2. Criminal History Statement as required by the Texas Department of Protective and Regulatory Services (This will be submitted for verification and may include a minimal fee to the student.) The
following types of criminal convictions permanently bar a student from childcare operations:

Felony convictions of an offense under The Texas Penal Code or any like offense under the law of another state or federal law:

- **Title 4: Inchoate Offenses (Chapter 15 Preparatory Offenses 15.031)**
- **Title 5: Offenses Against the Person (Chapter 19, 20, 21, 22)**
- **Title 6: Offenses Against the Family (Chapter 25)**
- **Title 7: Offenses Against Property (Chapter 29)**
- **Title 8: Offenses Against Public Administration (Chapter 38)**
- **Title 9: Offenses Against Public Order and Decency (Chapter 42, 43 Subchapter A & B)**
- **Title 10: Offenses Against Public Health, Safety, and Morals (Chapter 46, 49)**

**Offenses under the Health and Safety Code: Chapter 481. Texas Controlled Substance Act (Subchapter D. Offenses and Penalties)**

Deferred adjudication is treated the same as a conviction until the probation is successfully completed. Any types of central registry findings such as sustained findings of physical or sexual abuse also permanently bars the student from childcare operations. Students with other misdemeanor or felony indictments, convictions or complaints may not enroll in child development courses until the Texas Department of Protective and Regulatory Services completes an assessment of risk. This may take several months.

3. Documentation of a negative TB skin test must be submitted each year while enrolled in the program.
4. Confirmation that confidentiality and professional discretion will be observed at all times.
5. A signed statement verifying that you are aware that the college encourages you to obtain and/or maintain personal liability insurance while you are enrolled in the program.

**Early Childhood Certificates**

The following certificates are designed to prepare students for a career in early childhood/child development instruction or in related child care professions. Students successfully completing the program will have obtained the minimal competencies needed to provide quality childcare, which integrates child development and developmentally appropriate practices. The certificates will satisfy State, (Texas Department of Protective & Regulatory Services) and National (The Council for Early Childhood Professional Recognition) credential.
education requirements.

**Child Development Administrative Certificate**

THEA Waived, Level I Certificate
32 semester credit hours

**NOTE:** A manager/director must be at least 21 years of age and have a high school diploma or its equivalent. There are several ways to satisfy the state requirements for a director’s license. Students should refer to the Texas Administrative Code. This credential is designed for the student with no college credit or less than 60 credit hours.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 1313</td>
<td>Curriculum Resources</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1319</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>ACNT 1303</td>
<td>Introduction to Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 2426</td>
<td>Administration of Programs for Children I</td>
<td>4</td>
</tr>
<tr>
<td>POFI 2301</td>
<td>Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1309</td>
<td>Administrative Office Procedures</td>
<td>3</td>
</tr>
<tr>
<td><strong>19 semester hours</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 2428(CC)</td>
<td>Administration of Programs for Children II</td>
<td>4</td>
</tr>
<tr>
<td>CDEC 1356</td>
<td>Emergent Literacy</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 2341</td>
<td>The School Aged Child</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1359</td>
<td>Special Needs</td>
<td>3</td>
</tr>
<tr>
<td><strong>CC = Capstone Course</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>13 semester hours</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Child Development Technical Certificate**

THEA Waived, Level I Certificate
36 - 38 semester credit hours

This course of study is designed to prepare students for a career in early childhood/child development instruction or in related child care professions. Additionally, the program will provide lower-level academic and technical courses for continuing educational experiences to satisfy state (Texas Department of Protective and Regulatory Services) and national (The council for Early Childhood Professional Recognition) credential requirements. Students who plan to continue to continue their education in the AAS degree program are strongly advised to enroll in PSYC 1300 Learning Framework to enhance their learning strategies.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year, First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC 1319</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1321</td>
<td>Infant and Toddler</td>
<td>3</td>
</tr>
</tbody>
</table>
### Early Childhood/Child Development AAS Degree

This program is designed to prepare students for a career in early childhood/child development instruction or in related child care professions. Additionally, the program will provide lower-level academic and technical courses for continuing educational experiences to satisfy state (Texas Department of Protective and Regulatory Services) and national (The Council for Early Childhood Professional Recognition) credential requirements. The department strongly advises that students enroll in PSYC 1300 in their first semester to enhance their learning strategies for the AAS degree.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>TECA 1301</td>
<td>Family, School and the Community</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1356</td>
<td>Creative Arts</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1313</td>
<td>Curriculum Resources</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 1319</td>
<td>Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td><strong>Freshman Year, Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 2386 (CC)</td>
<td>Internship-Child Care Provider/Assistant</td>
<td>3</td>
</tr>
<tr>
<td><strong>Summer</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDEC elective</td>
<td>CDEC 1321, CDEC 2341, or CDEC 1323</td>
<td></td>
</tr>
<tr>
<td>MATH/Natural Science</td>
<td>College Level Math or Natural Science w/lab</td>
<td>3-4</td>
</tr>
<tr>
<td>CDEC 2426</td>
<td>Administration of Programs for Children I</td>
<td>4</td>
</tr>
</tbody>
</table>

### Course Descriptions

- **ENGL 1301 Composition I**: This course is designed to improve students' writing skills, focusing on the development of clear and effective communication. It covers various writing styles and formats, including essays, research papers, and business correspondence.

- **TECA 1301 Family, School and the Community**: This course provides an overview of the roles and responsibilities of parents, teachers, and community members in the education of children. It includes practical sessions on curriculum planning and implementation.

- **CDEC 1356 Creative Arts**: This course is designed to introduce students to various art forms suitable for early childhood settings, including visual arts, music, and drama. It emphasizes hands-on activities that encourage creativity and self-expression.

- **CDEC 1313 Curriculum Resources**: This course focuses on the selection, organization, and evaluation of educational materials for early childhood programs. It covers a range of resources, including books, toys, and digital tools.

- **CDEC 1319 Child Guidance**: This course is dedicated to the skills and strategies needed for guiding children through developmentally appropriate activities. It explores methods for assessing and enhancing children's social, emotional, and cognitive development.

- **COSC 1300 Introduction to Computing**: This introductory course teaches basic computer skills, including the use of word processors, spreadsheets, and web browsers. It prepares students for more advanced computing courses.

- **TECA 1318 Wellness of the Young Child**: This course focuses on the health and well-being of young children, addressing topics such as nutrition, physical activity, and safety. It includes practical sessions and guest presentations by health professionals.

- **CDEC 1356 Emergent Literacy for Early Childhood**: This course is essential for early childhood educators, teaching the foundations of literacy development in young children. It covers reading readiness, writing, and the importance of literature in early education.

- **CDEC 2307 Math and Science for Early Childhood**: This course integrates mathematical and scientific concepts suitable for young learners. It uses hands-on activities to teach basic numeracy and scientific inquiry processes.

- **SPCH 1315 Fundamentals of Speech**: This course introduces students to the basic principles of speech communication, including pronunciation, voice quality, and nonverbal communication. It prepares students to teach speech and language skills to children.

- **SPCH 1315 Fundamentals of Speech**: This course introduces students to the basic principles of speech communication, including pronunciation, voice quality, and nonverbal communication. It prepares students to teach speech and language skills to children.

- **SPCH 1315 Fundamentals of Speech**: This course introduces students to the basic principles of speech communication, including pronunciation, voice quality, and nonverbal communication. It prepares students to teach speech and language skills to children.

- **CDEC 2341 The School-Aged Child**: This course is dedicated to the educational needs of school-aged children, focusing on curriculum design, assessment, and classroom management. It includes field experience in local schools.

- **TECA 1318 or CDEC 2428 Health, Safety, and Nutrition for the Young Child or Administration of Programs for Children II**: This course provides comprehensive training in health, safety, and nutrition for young children, emphasizing the importance of a healthy environment and effective health practices. It also covers the administration of programs for children in various settings.
### Electronics Engineering Technology AAS Degree

(72 semester credit hours)

An Associate of Applied Science degree program offered by the Division of Technology and Business.

Organized learning experiences leading to the Associate of Applied Science degree include theory and laboratory work as each relates to planning, producing, testing, assembling, installing, and maintaining electronic equipment: communications, industrial electronics, computer and computer interfaces, digital systems, robotic equipment, PLCs, and microprocessors. Program emphases are on system and component level troubleshooting, device characteristics, and circuits. Instruction is designed to develop knowledge, understanding, and skills essential for employment in industries relying on electronic means for communication, transport, manufacturing and process control, information processing, and in most electronic service occupations.

The program in electronics technology provides work-place experiences recommended by the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS).

All students entering CETT 1403 or CETT 1425 must be enrolled in or have credit for MATH 1314.

Students may begin the program in the Fall Semester or in the Spring Semester. Students entering in the Spring will take CETT 1321 the following Fall.

Credit for at least 72 hours is required to receive the AAS degree in Electronics Engineering Technology.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECA 1311</td>
<td>Educating Young Children</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2301 or HIST 1301</td>
<td>General Psychology or U. S. History I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sophomore Year, Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDEC 2428 or CDEC 2315</td>
<td>Administration of Programs for Children II or Diverse Cultural and Multilingual Education</td>
<td>3-4</td>
</tr>
<tr>
<td>CDEC elective</td>
<td>CDEC 1321, CDEC 2341, or CDEC 1323</td>
<td>3</td>
</tr>
<tr>
<td>TECA 1354</td>
<td>Child Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>Performing/Visual Arts</td>
<td>MUSI 1300, MUSI 1301, or MUSI 1306</td>
<td>3</td>
</tr>
<tr>
<td>CDEC 2386 (CC)</td>
<td>Internship-Child Care Provider/Assistant</td>
<td>3</td>
</tr>
</tbody>
</table>

**Capstone Course**

15-16 semester hours
### Freshman Year, Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CETT 1321</td>
<td>Electronic Fabrication</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314*</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>Social/Behavioral Sciences elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

*The student may enroll for Math 2312 and 2413 (Calculus) if qualified. 12 semester hours

### Freshman Year, Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CETT 1403</td>
<td>D. C. Circuits</td>
<td>4</td>
</tr>
<tr>
<td>CETT 1425</td>
<td>Digital Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 2311</td>
<td>Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1316</td>
<td>Trigonometry</td>
<td>3</td>
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</table>

14 semester hours

### Freshman Year, Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CETT 1405</td>
<td>A. C. Circuits</td>
<td>4</td>
</tr>
<tr>
<td>CETT 1429</td>
<td>Solid State Devices</td>
<td>4</td>
</tr>
<tr>
<td>CETT 1449</td>
<td>Digital Systems</td>
<td>4</td>
</tr>
<tr>
<td>Humanities or Performing/Visual Arts elective</td>
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<td>3</td>
</tr>
</tbody>
</table>

15 semester hours

### Sophomore Year, Spring Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CETT 1331</td>
<td>Programming for Discrete Electronic Devices</td>
<td>3</td>
</tr>
<tr>
<td>CETT 1341</td>
<td>Solid State Circuits</td>
<td>3</td>
</tr>
<tr>
<td>CETT 1445</td>
<td>Microprocessors</td>
<td>4</td>
</tr>
<tr>
<td>CETT 1457</td>
<td>Linear Integrated Circuits</td>
<td>4</td>
</tr>
<tr>
<td>EECT 1303</td>
<td>Introduction to Telecommunications</td>
<td>3</td>
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</table>

17 semester hours

### Sophomore Year, Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELMT 1301</td>
<td>Programmable Logic Controllers</td>
<td>3</td>
</tr>
<tr>
<td>ELMT 2433</td>
<td>Industrial Electronics</td>
<td>4</td>
</tr>
<tr>
<td>EECT 2439</td>
<td>Communications Circuits</td>
<td>4</td>
</tr>
<tr>
<td>ELMT 2330 (CC)</td>
<td>Final Project</td>
<td>3</td>
</tr>
</tbody>
</table>

CC = Capstone Course 14 semester hours

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## Emergency Medical Technology

**Certificate (37 semester credit hours)**

**AAS Degree (64 semester credit hours)**

A certificate and Associate of Applied Science degree program offered by the Division of Vocational Science.

These courses prepare students as emergency medical care providers in a pre-hospital setting. Persons certified as EMT-Paramedics provide a higher level of care as specified by the Texas Department of State Health and the National Registry of EMT’s. Courses are offered in Wharton and at the Fort Bend Tech Center (Richmond).

The Emergency Medical Technician Certificate of Paramedic program is a 1-
A year certificate course of study that earns the student up to 37 college credit hours that can be matriculated into the EMT/Paramedic Associate of Applied Science degree at a later date.

**Entrance Requirements**

1. THEA reading requirement met or Pre-THEA score of 18.
2. Complete an application for admission.
3. Provide a high-school transcript or a copy of a GED certificate and, if applicable, a transcript from each college. Students must first complete the basic EMT program and be in the process of passing the state certification examination before enrolling in the EMT-Paramedic course.
4. Students must have a current Health Care Provider CPR card from the American Heart Association prior to entering the course. Students not current in a Health Care Provider CPR should refer to the WCJC Continuing Education schedule for times and days.
5. Students must fill out an application and make an appointment for an oral interview.

**Paramedic Certificate**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester (EMT-Basic)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMSP 1401</td>
<td>Emergency Medical Technician-Basic</td>
<td>4</td>
</tr>
<tr>
<td>EMSP 1260 (CC)</td>
<td>EMT- Basic Clinical</td>
<td>2</td>
</tr>
<tr>
<td><strong>Second Semester (EMT-Intermediate)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMSP 1338</td>
<td>Introduction to Advanced Practice</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 1355</td>
<td>Trauma Management</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 1356</td>
<td>Patient Assessment and Airway Management</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 2260 (CC)</td>
<td>EMT- Intermediate Clinical</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Semester Hours:</strong></td>
<td></td>
<td><strong>6 semester hours</strong></td>
</tr>
<tr>
<td><strong>Third Semester (EMT Paramedic)</strong></td>
<td></td>
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</tr>
<tr>
<td>EMSP 2444</td>
<td>Cardiology</td>
<td>4</td>
</tr>
<tr>
<td>EMSP 2434</td>
<td>Medical Emergencies</td>
<td>4</td>
</tr>
<tr>
<td>EMSP 2261 (CC)</td>
<td>EMT – Paramedic Clinical I</td>
<td>2</td>
</tr>
<tr>
<td><strong>Fourth Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMSP 2338</td>
<td>EMS Operations</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 2243</td>
<td>Assessment-Based Management</td>
<td>2</td>
</tr>
<tr>
<td>EMSP 2330</td>
<td>Special Populations</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 2262 (CC)</td>
<td>EMT – Paramedic Clinical II</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Semester Hours:</strong></td>
<td></td>
<td><strong>10 semester hours</strong></td>
</tr>
</tbody>
</table>

CC = Capstone Course
Emergency Medical Services AAS Degree

This program is designed to prepare students for a career in emergency medical services. Students completing the first semester may apply for EMT-Basic certification. Students completing the additional occupational and general education courses will earn an AAS in Emergency Medical Services which broadens and heightens their educational and career opportunities and portability.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMSP 1401</td>
<td>Emergency Medical Technician-Basic</td>
<td>4</td>
</tr>
<tr>
<td>EMSP 1260 (CC)</td>
<td>EMT-Basic Clinical</td>
<td>2</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td>Any college-level Math</td>
<td>3</td>
</tr>
<tr>
<td>PHED elective</td>
<td>Any PHED activity course</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>13 semester hours</td>
</tr>
<tr>
<td><strong>Freshman Year, Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMSP 1338</td>
<td>Introduction to Advanced Practice</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 1355</td>
<td>Trauma Management</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 1356</td>
<td>Patient Assessment and Airway Management</td>
<td>3</td>
</tr>
<tr>
<td>EMSP 2260 (CC)</td>
<td>EMT-Intermediate Clinical</td>
<td>2</td>
</tr>
<tr>
<td>SPCH 1318</td>
<td>Interpersonal Communications</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17 semester hours</td>
</tr>
<tr>
<td><strong>Freshman Year, Summer Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOCI 1301 or</td>
<td>Introduction to Sociology or</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2301</td>
<td>Introduction to General Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 semester hours</td>
</tr>
<tr>
<td><strong>Sophomore Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMSP 2434</td>
<td>Medical Emergencies</td>
<td>4</td>
</tr>
<tr>
<td>EMSP 2261 (CC)</td>
<td>EMT–Paramedic Clinical I</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 2401</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>EMSP 2444</td>
<td>Cardiology</td>
<td>4</td>
</tr>
<tr>
<td>Humanities or Performing/Visual Arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>17 semester hours</td>
</tr>
</tbody>
</table>

Engineering Design Certificates and AAS Degree/ Tech Prep Program

Architectural Certificate: (20 semester credit hours)
CAD Certificate (20 semester credit hours)
AAS Degree (66 semester credit hours)

A Certificate and Associate of Applied Science degree program offered by the Technology and Business Division.
Engineering Design: Architectural Design Certificate

The certificate program in architectural design is recommended for those individuals who have a desire to pursue a career in architectural residential design as an apprentice or trainee. This program provides students with learning experiences in computer-aided design, architectural (residential) design, and structural design.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFTG 1405</td>
<td>Technical Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1409</td>
<td>Basic Computer-Aided Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1410</td>
<td>Specialized Basic Computer-Aided Drafting (CAD)</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1417</td>
<td>Architectural Drafting – Residential</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2432</td>
<td>Advanced Computer-Aided Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1493</td>
<td>Special Topics in Civil Drafting and Civil Engineering CAD/CADD</td>
<td>4</td>
</tr>
</tbody>
</table>

24 semester hours

Engineering Design: Computer-Aided Drafting (CAD) Certificate

The certificate program in computer-aided drafting is recommended for the individual who has prior drafting experience and wishes to update his/her skills. Manual drafting skills recommended through Tech-Prep, college transfer, high school courses or work experience.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFTG 1405</td>
<td>Technical Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1409</td>
<td>Basic Computer Aided Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1410</td>
<td>Specialized Basic Computer-Aided Drafting (CAD)</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2419</td>
<td>Intermediate Computer-Aided Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2436</td>
<td>Computer-Aided Drafting Programming</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2440</td>
<td>Solid Modeling/Design</td>
<td>4</td>
</tr>
</tbody>
</table>

24 semester hours

Engineering Design AAS Degree/Tech Prep Program

The program in engineering design is a four-semester course of study leading to an Associate of Applied Science degree. Specialized learning experiences include the implementation of computer-aided design software in various design disciplines. Instruction emphasizes the development of technical knowledge and drafting skills that are essential to the successful entrance in the job market as a design technician.

Former students have been employed as pipe designers, architectural designers, tool designers, civil designers, structural detail designers, electrical designers, and job estimators.
The Engineering Design program provides work-place experiences recommended by the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS).

Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science degree. Contact your transfer university for information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DFTG 1405</strong></td>
<td>Technical Drafting</td>
<td>4</td>
</tr>
<tr>
<td><strong>DFTG 1409</strong></td>
<td>Basic Computer-Aided Drafting</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours: 14</strong></td>
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</table>

<table>
<thead>
<tr>
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<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 1316</td>
<td>Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>DFTG 1410</td>
<td>Specialized Basic Computer-Aided Drafting (CAD)</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1417</td>
<td>Architectural Drafting, Residential</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2419</td>
<td>Intermediate Computer-Aided Drafting</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours: 15</strong></td>
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<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>DFTG 1494</td>
<td>Special Topics in Electrical/Electronics Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 1493</td>
<td>Special Topics in Civil (Structural) Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2406</td>
<td>Machine Design</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2436</td>
<td>Computer-Aided Drafting Programming</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours: 19</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFTG 2423</td>
<td>Pipe Drafting</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2440</td>
<td>Solid Modeling/Design</td>
<td>4</td>
</tr>
<tr>
<td>DFTG 2432</td>
<td>Advanced Computer-Aided Drafting</td>
<td>4</td>
</tr>
<tr>
<td>***Social Science elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Humanities or Performing/Visual Arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Semester Hours: 18</strong></td>
<td></td>
</tr>
</tbody>
</table>

*Students entering the program must take all three parts of the THEA test to determine if any remediation is necessary.

**These courses may be taken during the 11th and 12th grade, in high school, as part of a Tech-Prep Contract. Credit will be granted for DFTG 1409 only if the high school course is taught on identical CAD software.

***This elective must be selected from the list of core requirements for AAS degrees.
Fire Academy Certificate
Basic Fire Fighters Certificate Course
(26 semester credit hours)

A Certificate Program offered by the Division of Vocational Science.

Wharton County Junior College operates a licensed fire academy certified by the Texas Commission on Fire Protection Personnel Standards and Education. This 608-hour academy has been divided into 7 college credit classes, Fire Certification I through VII. These topic areas and hours have been approved by the Texas Commission on Fire Protection and upon successful completion of all 7 courses the student will be eligible to take the state licensing examination to become a licensed paid firefighter in the state of Texas. All courses must be completed as a block.

The Fire Academy offers both day and evening classes. The Fire Academy also offers in-service training for both paid and volunteer area fire departments. Participants must apply and be accepted.

Entrance Requirements

1. Be at least 18 years of age.
2. Successfully complete all entry tests and forms as required by the WCJC Fire Academy.
3. Pass a Physical and Drug Exam.
4. Not have been convicted of any felony offense at any time.
5. Not have been convicted of an offense above a Class C Misdemeanor within the last five (5) years.
6. Be a high school graduate or have passed the GED test.

Persons who wish to enroll in fire training should write to the Wharton County Junior College Public Safety Training, 911 E. Boling Hwy, Wharton, Texas 77488.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIRS 1401</td>
<td>Fire Fighter Certification I</td>
<td>4</td>
</tr>
<tr>
<td>FIRS 1507</td>
<td>Fire Fighter Certification II</td>
<td>5</td>
</tr>
<tr>
<td>FIRS 1313</td>
<td>Fire Fighter Certification III</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 semester hours</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIRS 1319</td>
<td>Fire Fighter Certification IV</td>
<td>3</td>
</tr>
<tr>
<td>FIRS 1423</td>
<td>Fire Fighter Certification V</td>
<td>4</td>
</tr>
<tr>
<td>FIRS 1329</td>
<td>Fire Fighter Certification VI</td>
<td>3</td>
</tr>
<tr>
<td>FIRS 1433</td>
<td>Fire Fighter Certification VII</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>14 semester hours</td>
</tr>
</tbody>
</table>
Health Information Technology AAS Degree
(70 semester credit hours)

An Associate of Applied Science degree program offered by the Division of Allied Health.

The Health Information Technology Program is accredited by the Commission on Accreditation of Health Informatics and Information Management Education (CAHIIM). Graduates of the program are eligible to sit for the American Health Information Management Association’s credentialing exam for qualifications as a Registered Health Information Technician (RHIT). Graduates are prepared to serve as entry-level RHITs in a variety of settings including hospitals, clinics, long-term care facilities, insurance companies, state, local and federal health agencies and related health facilities. The RHIT performs such functions as coding and classifying patient data for reimbursement; reviewing medical records for completeness and accuracy; providing security of information to protect patient privacy; responding to authorized inquiries for insurance and legal purposes; and for organizing, analyzing and evaluating information for statistics, billing, research and other reports and special studies. Registered Health Information Technicians are often responsible for supervising the daily work of employees in health information management departments.

The Health Information Technology program is designed to accomplish the following objectives:

A. To provide a quality HIT curriculum which will prepare the graduate to assume the role of an active, competent, and productive health-information professional.

B. To provide a quality HIT curriculum so structured that the student who is unable to complete the courses of study will acquire skills that enhance his or her employment opportunities following each course taken.

C. To provide qualified health-information technicians to staff the health-information centers of various types of facilities in the local and regional communities of Texas.

D. To provide an HIT curriculum in which the student has the opportunity to prepare at the associate-degree level for his or her education to attain a Health Information Management (HIM) degree.

E. To encourage HIT students to develop a set of values based on integrity and health-information ethics to guide them in their personal responsibilities and their working experiences.

F. To provide HIT students with courses which will develop mental discipline
through self-study and achievement at the student’s own initiative.

G. To provide the HIT students with the political, social, and economic aspects of our democracy and the effect they have on the health-care field and to encourage students to appreciate their role in the community as a person and as a citizen.

H. To provide HIT students with a curriculum containing basic facts and principles from the humanities and the natural and social sciences.

**Estimated Costs:**

Tuition and Fees ........................................ see Financial Information Section
Books (approximate)........................................ $500 per semester

Prior to Clinical Practicum:
- Criminal Background Check........................................ $52.02
- Negative Drug Screen........................................ (approximately) $50.00
- Accident + Liability Insurance....................................... $35
- Physical Examination ........................................ (individual physician’s fee)

Transportation costs incurred during clinical phase vary according to individually planned schedules. Students are responsible for transportation.

National Accreditation Exam Fee (after graduation) ................... $235

Upon successful completion of the program, graduates receive an Associate of Applied Science degree and are eligible to take the national examination for certification as a health information technician, given by the American Health Information Management Association. Upon successful completion of the examination, candidates are eligible for certification in the national professional organization and are entitled to use the letters RHIT (Registered Health Information Technician) after their names.

The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

- Students must have a personal interview with the program director prior to enrolling in the program.
- Students must have completed the series of three Hepatitis B immunizations prior to enrolling in HITT 1167.
- Most clinical facilities require that criminal background checks and a negative drug screen be completed prior to allowing students to participate in clinical training at their facilities.
- Applicants conditionally accepted into the HIT program will be required to complete a criminal background check and a negative drug screen, which will be completed by a WCJC approved agency prior to enrolling in HITT 1167. The cost of the background check and negative drug screen will be at the applicant’s expense. The anticipated cost for
the criminal background check is $52.02. The anticipated cost for the drug screen is $50.00.

- Information regarding this process should be obtained from the HIT Department Head.
- Students who plan to transfer to a Health Information Management program should see the program director for additional prerequisite courses for transfer.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HITT 1345</td>
<td>Health Care Delivery Systems</td>
<td>3</td>
</tr>
<tr>
<td>HITT 1301</td>
<td>Health Data Content and Structure</td>
<td>3</td>
</tr>
<tr>
<td>HITT 1305</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BIOI 2401</td>
<td>Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>19 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Year, Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MRMT 1307</td>
<td>Medical Transcription Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>HITT 1249</td>
<td>Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>HITT 1353</td>
<td>Legal &amp; Ethical Aspects of Health Information</td>
<td>3</td>
</tr>
<tr>
<td>BIOI 2402</td>
<td>Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2301</td>
<td>Constitutions, Federalism and Participation</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>18 semester hours</strong></td>
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</tr>
<tr>
<td><strong>Sophomore Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HITT 1441</td>
<td>Coding and Classification Systems</td>
<td>4</td>
</tr>
<tr>
<td>HITT 1355</td>
<td>Health Care Statistics</td>
<td>3</td>
</tr>
<tr>
<td>HITT 1167</td>
<td>Practicum I Health Information Technology</td>
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<td>HPRS 2301</td>
<td>Pathophysiology</td>
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<tr>
<td>HITT 1311</td>
<td>Computers in Health Care</td>
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</tr>
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<td>SPCH 1315</td>
<td>Fundamentals of Speech</td>
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</tr>
<tr>
<td></td>
<td><strong>17 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Sophomore Year, Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HITT 2166</td>
<td>Practicum II Health Information Technology</td>
<td>1</td>
</tr>
<tr>
<td>HITT 2339 (CC)</td>
<td>Health Information Organization and Supervision</td>
<td>3</td>
</tr>
<tr>
<td>HITT 2435</td>
<td>Coding and Reimbursement Methodologies</td>
<td>4</td>
</tr>
<tr>
<td>HITT 2443</td>
<td>Quality Assessment and Performance Improvement</td>
<td>4</td>
</tr>
<tr>
<td>****Humanities or Performing/Visual Arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>15 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Sophomore Year, Summer Session</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HITT 2167 (CC)</td>
<td>Practicum III Health Information Technology</td>
<td>1</td>
</tr>
</tbody>
</table>

**(CC) = Capstone Course.** 1 semester hour

**This elective must be selected from the list of core requirements for AAS degrees.**
Heating, Air Conditioning and Refrigeration Certificate  
(36 semester credit hours)

A certificate program offered by the Division of Vocational Science.

This is a one-year program designed to provide students with job-entry knowledge and skills in the practical application of refrigeration and air conditioning. The program of study includes, but is not limited to, methods of installing, maintaining, diagnosing, and repairing equipment. Specific competencies taught include gas brazing and soldering, electrical circuit and motor analysis, and systems troubleshooting.

To receive a certificate, the student must maintain an overall GPA of 2.0.

Entrance Requirements

Applicants must be high-school graduates or have satisfactory scores on the Test of General Education Development (GED).

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HART 1401</td>
<td>Electricity Principles</td>
<td>4</td>
</tr>
<tr>
<td>HART 1403</td>
<td>A/C Control Principles</td>
<td>4</td>
</tr>
<tr>
<td>HART 1407</td>
<td>Refrigeration Principles</td>
<td>4</td>
</tr>
<tr>
<td><strong>Second Semester</strong></td>
<td>12 semester hours</td>
<td></td>
</tr>
<tr>
<td>HART 1441</td>
<td>Residential Air Conditioning</td>
<td>4</td>
</tr>
<tr>
<td>HART 2442</td>
<td>Commercial Refrigeration</td>
<td>4</td>
</tr>
<tr>
<td>HART 1445</td>
<td>Gas and Electric Heating</td>
<td>4</td>
</tr>
<tr>
<td><strong>Third Semester</strong></td>
<td>12 semester hours</td>
<td></td>
</tr>
<tr>
<td>HART 2431</td>
<td>Advanced Electricity</td>
<td>4</td>
</tr>
<tr>
<td>HART 2434</td>
<td>Advanced A/C Controls</td>
<td>4</td>
</tr>
<tr>
<td>HART 2436 (CC)</td>
<td>Troubleshooting</td>
<td>4</td>
</tr>
<tr>
<td>(CC) = Capstone Course</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Human Services Certificate and AAS Degree

Certificate: (36-37 semester credit hours)  
AAS Degree: (69-71 semester credit hours)

A Certificate and Associate of Applied Science degree offered by the Division of Allied Health, and affiliated with the Council for Standards in Human Service Education
**Level One Human Services Technician Certificate**

The Human Service Technician Level One certificate will provide students an opportunity to gain entry level skills to enter fields such as psychiatry, psychology, human services, rehabilitative therapy, social work, child welfare, health, family services, criminal justice, substance abuse, therapeutic recreation, education, and homelessness, among others. It will also train students to observe patients and record information, conduct patient interviews, implement treatment plans, employ problem-solving techniques and develop an awareness of elements relative to a multi-culturally diverse community population. Certificate completers will participate in external learning experiences in a variety of contexts and will be required to complete a supervised practicum or clinical. Effective communication, interpersonal and time management skills will be emphasized throughout the program.

**Criminal Background Checks:** Most clinical facilities require criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the Human Services Program will be required to complete a criminal background check. **Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency.**

Students will only be allowed to take 12 semester credit hours prior to the completion of the criminal background check. The cost of the criminal background check will be at the applicant's expense. The anticipated cost for the criminal background check is approximately $52.00. Information regarding this process should be obtained from the Director of the Human Services Program.

**Clinical /Practicum Site Requirements:** Many clinical/practicum sites require drug screens for students completing their field experience within the practicum sites. Prior to the start of clinical/practicum, drug screens and criminal background checks will be required.

Students should be aware that certain criminal histories may prevent them from participating in the practicum experience. Students deemed ineligible for clinical/practicum due to original history will be dismissed from the program and dropped from the program courses.

Students will be required to have a negative drug screen through the college approved agency. The estimated cost is $40.00. Students may be required to submit to additional drug screens as required by the Human Services Program or the clinical/practicum sites as warranted.

The certificate level requires 180 hours of practicum field experience at an approved site within the community.
Consideration for acceptance into the Human Services Program is based upon the submission of the following:

1. Completed Application for Admission to WCJC, submitted to both the office of Admissions and Registration and to the Human Services Program.
2. Copy of all college transcripts (if applicable).
3. Completed application to the Human Services Program.
4. Completed Criminal Background Check.
5. Negative drug screen when required.

Upon acceptance in the Human Services Program:

1. All students who are accepted into the Human Services Program must purchase liability insurance through WCJC prior to practicum at a cost of approximately $35.00.
2. Students need also be aware most practicum settings will require evidence of current immunizations (possibly diphtheria-tetanus, Hepatitis B, measles, mumps, rubella, varicella, and a TB test – results for the TB test will require follow-up). The needed immunizations are specific to practicum settings.
3. A grade of “C” or better must be obtained in all curriculum specific to the Human Services Program. A grade-point average of 2.5 is required in all other general education courses in the Human Services Program degree plan.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCWK 1321</td>
<td>Orientation to Social Services</td>
<td>3</td>
</tr>
<tr>
<td>MRKG 1301</td>
<td>Customer Relations</td>
<td>3</td>
</tr>
<tr>
<td>DAAC 1319</td>
<td>Intro to Alcohol and Other Drug Addictions</td>
<td>3</td>
</tr>
<tr>
<td>CHLT 1209</td>
<td>Community Ethics</td>
<td>2</td>
</tr>
<tr>
<td>CHLT 1302</td>
<td>Wellness &amp; Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>CMSW 1309</td>
<td>Problems of Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>PSYT 1329</td>
<td>Interviewing and Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>DAAC 1317</td>
<td>Basic Counseling Skills</td>
<td>3</td>
</tr>
<tr>
<td>CHLT 1340</td>
<td>Community Health Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>GERS 1342</td>
<td>Aging and Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>PSYT 2335</td>
<td>Family Systems</td>
<td>3</td>
</tr>
<tr>
<td>CHLT 2166*</td>
<td>Practicum-Community Health Services/</td>
<td>1</td>
</tr>
<tr>
<td>CMSW 2166*</td>
<td>Practicum-Clinical/Medical Social Work</td>
<td></td>
</tr>
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</table>

*Capstone Course 16 semester hours
Human Services AAS Degree

The Human Services AAS degree will prepare students for careers in a variety of fields such as psychiatry, psychology, human services, rehabilitative therapy, social work, child welfare, health, family services, criminal justice, substance abuse, therapeutic recreation, education, and homelessness, among others. Job titles might include human service worker, case management aide, social work assistant, community support worker, mental health aide, community outreach worker, life skills counselor or gerontology aide. Working conditions may vary considerably. Some may work in offices, clinics and hospitals, while other graduates may work in group homes, shelters, day programs or may spend their time in the field, visiting clients. Human service assistants may provide direct and indirect client services. Students will be trained to observe patients and record information, conduct patient interviews, implement treatment plans, employ problem-solving techniques, handle crisis intervention matters, use proper case management and referral procedures, and develop an awareness of elements relative to a multi-culturally diverse community population. Graduates will have a strong background in the appropriate cores of psychology and sociology; will participate in external learning experiences in a variety of contexts and will be required to complete a supervised practicum or clinical. Effective communication, interpersonal and time management skills will be emphasized throughout the program. The AAS degree is designed to facilitate a transition from WCJC to a university with little or no loss of transfer credit giving the student an opportunity to obtain an advanced degree in fields such as psychology, social work, sociology and human services.

Criminal Background Checks: Most clinical facilities require that criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the Human Services Program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency. Students will only be allowed to take 12 semester credit hours prior to the completion of the criminal background check. The cost of the criminal background check will be at the applicant’s expense. The anticipated cost for the criminal background check is approximately $52.00. Information regarding this process should be obtained from the Director of the Human Services Program.

Clinical/Practicum Site Requirements: Many clinical/practicum sites require drug screens for students completing their field experience within the practicum sites. Prior to the start of clinical/practicum, drug screens and criminal background checks will be required.

Students should be aware that certain criminal histories may prevent them from
participating in the practicum experience. Students deemed ineligible for clinical/practicum due to original history will be dismissed from the program and dropped from the program courses.

Students will be required to have a negative drug screen through the college approved agency. The estimated cost is $40.00. Students may be required to submit to additional drug screens as required by the Human Services Program or the clinical/practicum sites as warranted.

The AAS degree requires 250 hours of practicum field experience at an approved practicum site within the community.

Consideration for acceptance into the Human Services Program is based upon the submission and/or evidence of the following:

1. Completed Application for Admission to WCJC, submitted to both the office of Admissions and Registration and to the Human Services Program.
2. Copy of all college transcripts (if applicable).
3. Completed application to the Human Services program.
4. Completed Criminal Background Check.
5. Acceptable college entrance exams on file with college and evidence provided for the Human Services Program (i.e. ACT, THEA, ASSET, etc.)
6. Negative drug screen when required.

Upon acceptance into the Human Services Program:

1. All students who are accepted into the Human Services Program, must purchase liability insurance through WCJC at a cost of approximately $35.00.
2. Students need also be aware most practicum settings will require evidence of immunizations (possibly diphtheria-tetanus, Hepatitis B, measles, mumps, rubella, varicella, and a TB test – positive for the TB test results will require follow-up). The needed immunizations are specific to practicum settings.
3. A grade of “C” or better must be obtained in all curriculum specific to the Human Services Program. A grade-point average of 2.5 is required in all other general education courses in the Human Services Program degree plan.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCWK 1321</td>
<td>Orientation to Social Services</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2301</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 semester hours</td>
</tr>
<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Law Enforcement AAS Degree

(66 semester credit hours)

An Associate of Applied Science degree offered by the Division of Social and Behavioral Science.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>DAAC 1319</td>
<td>Intro to Alcohol and Other Drug Addictions</td>
<td>3</td>
</tr>
<tr>
<td>CHLT 1209</td>
<td>Community Ethics</td>
<td>2</td>
</tr>
<tr>
<td>CHLT 1302</td>
<td>Wellness &amp; Health Promotion</td>
<td>3</td>
</tr>
<tr>
<td>CMSW 1309</td>
<td>Problems of Children and Adolescents</td>
<td>3</td>
</tr>
<tr>
<td>PSYT 1329</td>
<td>Interviewing and Communication Skills</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>17</strong></td>
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<tr>
<td><strong>Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>DAAC 1317</td>
<td>Basic Counseling Skills</td>
<td>3</td>
</tr>
<tr>
<td>CHLT 1340</td>
<td>Community Health Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>GERS 1342</td>
<td>Aging and Mental Health</td>
<td>3</td>
</tr>
<tr>
<td>PSYT 2335</td>
<td>Family Systems</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>Summer I</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>Humanities or Visual/Performing Arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>6</strong></td>
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<tr>
<td><strong>Third Semester</strong></td>
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<td></td>
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<tr>
<td>MRKG 1301 or SPCH 1315 or SPCH 1318</td>
<td>Customer Relations, Fundamentals of Speech or Interpersonal Communications</td>
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<tr>
<td>PSYT 2345</td>
<td>Principles of Behavior Management and Modification</td>
<td>3</td>
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<tr>
<td>Science elective* or PSYC 2315</td>
<td>Science elective or Psychology of Adjustment</td>
<td>3-4</td>
</tr>
<tr>
<td>MATH 1342</td>
<td>Introduction to Statistics</td>
<td>3</td>
</tr>
<tr>
<td>GOVT 2301* or SOCI 1301</td>
<td>Constitutions, Federalism &amp; Participation or Introduction to Sociology</td>
<td>3</td>
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<tr>
<td><strong>Total</strong></td>
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<tr>
<td><strong>Fourth Semester</strong></td>
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<tr>
<td>GOVT 2302* or SOCI/PSYC 2306</td>
<td>Institutions, Rights &amp; Public Policies or Human Sexuality</td>
<td>3</td>
</tr>
<tr>
<td>Science elective* or PSYC 2314</td>
<td>Science elective or Lifespan Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td>PSYT 2321</td>
<td>Crisis Intervention</td>
<td>3</td>
</tr>
<tr>
<td>PMHS 2160 or PSYT 2164</td>
<td>Clinical-Psychiatric/Mental Health Services Practicum-Clinical Psychology</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>10-11</strong></td>
</tr>
</tbody>
</table>

*Students intending to transfer to a 4-year university should take Science and Govt. courses.

***This elective must be selected from the list of core requirements for AAS degrees.
The program in law enforcement is designed to prepare the student for the state licensing exam for peace officers and immediate employment in law enforcement.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 1301</td>
<td>Introduction to Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 1310</td>
<td>Fundamentals of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH</td>
<td>College Level Math</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Freshman Year, Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>CRJ 1306</td>
<td>Court Systems and Practices</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 1307 (Crime in America) or Social/Behav. science elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 2313</td>
<td>Corrections Systems &amp; Practices</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2311</td>
<td>Technical Report Writing</td>
<td>3</td>
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</table>

**First Summer Session**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJSA 2288</td>
<td>Internship I</td>
<td>2</td>
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</tbody>
</table>

**Second Summer Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CJSA 2289</td>
<td>Internship II</td>
<td>2</td>
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</tbody>
</table>

**Sophomore Year, First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 2323</td>
<td>Legal Aspects of Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 2328</td>
<td>Police Systems and Practices</td>
<td>3</td>
</tr>
<tr>
<td>Humanities or Performing/Visual Arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 2314</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>SPCH 1315</td>
<td>Speech (or SPCH 1318)</td>
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**Sophomore Year, Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*CJLE 1506</td>
<td>Basic Peace Officer I</td>
<td>5</td>
</tr>
<tr>
<td>*CJLE 1512 (CC)</td>
<td>Basic Peace Officer II</td>
<td>5</td>
</tr>
<tr>
<td>*CJLE 1518 (CC)</td>
<td>Basic Peace Officer III</td>
<td>5</td>
</tr>
<tr>
<td>*CJLE 1524 (CC)</td>
<td>Basic Peace Officer IV</td>
<td>5</td>
</tr>
</tbody>
</table>

(CC) = Capstone Course

*Required courses for the Texas Commission on Law Enforcement licensing exam and must be taken in sequence in successive semesters as offered.

**Work/Life Experience Policy**

The Criminal Justice program has developed the following mechanism to assist those persons employed in the criminal justice field to satisfy degree requirements for their work/life experience and in-service training.

Students who wish to obtain an applied science degree from the college in Law Enforcement and are certified peace officers in the state of Texas may satisfy
degree requirements for Basic Peace Officer courses and for Internship I and II courses by meeting the following criteria and paying $12.00 per credit hour. (Students must have taken and successfully completed 24 hours of transferable college credit from Wharton County Junior College prior to receiving credit for the Peace Officer and Internship courses.) Criminal Justice department head approval is required for permission to satisfy degree requirements in this manner.

The prerequisites for work/life and in-service training credit are as follows:

1. The applicant must be currently employed with a criminal justice agency and have at least six months experience, and;
2. The applicant must submit a résumé and all supporting documentation to the head of the department for evaluation, and;
3. The applicant must secure a letter of verification from the chief administrator of the employing agency attesting to the information contained in the applicant’s résumé and supporting documentation, regarding the prerequisites and criteria required by this policy, and;
4. The applicant must pay all fees required by the college.

No credit by résumé is applicable until the applicant has earned an equivalent number of hours at Wharton County Junior College.

Credit for the following courses may be awarded by résumé under the work/life experience policy:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISA 2288</td>
<td>Internship I</td>
</tr>
<tr>
<td>CISA 2289</td>
<td>Internship II</td>
</tr>
<tr>
<td>CJLE 1506</td>
<td>Basic Peace Officer I</td>
</tr>
<tr>
<td>CJLE 1512</td>
<td>Basic Peace Officer II</td>
</tr>
<tr>
<td>CJLE 1518</td>
<td>Basic Peace Officer III</td>
</tr>
<tr>
<td>CJLE 1524</td>
<td>Basic Peace Officer IV</td>
</tr>
</tbody>
</table>

These classes are courses required for graduation with an Associate of Applied Science degree from Wharton County Junior College.

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**Nuclear Power Technology**

**Enhanced Skills Certificate (14 semester credit hours)**

**Associate in Applied Science Degree (67-68 semester credit hours)**

Certificate and AAS degree offered by the Division of Vocational Science.

This program is designed to prepare students for entry level employment at the South Texas Nuclear Plant in the areas of operations, maintenance, chemistry and health physics. Students will be provided with the academic and technical competencies required to begin employment in
the nuclear industry.

Enhanced Skills Certificate – Nuclear Power Technology

**AAS PROCESS TECHNOLOGY REQUIRED**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUCP 1370</td>
<td>Nuclear Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>NUCP 1471</td>
<td>Nuclear Fundamentals II</td>
<td>4</td>
</tr>
<tr>
<td>NUCP 1472</td>
<td>Nuclear Power Plant Organization &amp; Processes</td>
<td>4</td>
</tr>
<tr>
<td>NUCP 1371</td>
<td>Math &amp; Chemistry Fundamentals for Nuclear Power</td>
<td>3</td>
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</tbody>
</table>

**14 semester hours**

AAS Degree – Nuclear Power Technology

**Fall I**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUCP 1371</td>
<td>Math &amp; Chemistry Fundamentals for Nuclear Power</td>
<td>3</td>
</tr>
<tr>
<td>ELPT 1370 or PTAC 1302</td>
<td>Intro to Power Technology or Intro to Process Technology</td>
<td>3</td>
</tr>
<tr>
<td>BCIS 1305</td>
<td>Business Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314 or MATH 2312</td>
<td>College Algebra or Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition &amp; Rhetoric I</td>
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**15 semester hours**

**Spring I**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>NUCP 1370</td>
<td>Nuclear Fundamentals I</td>
<td>3</td>
</tr>
<tr>
<td>NUCP 1471</td>
<td>Nuclear Fundamentals II</td>
<td>4</td>
</tr>
<tr>
<td>PTAC 1432 *</td>
<td>Instrumentation*</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1405 or CHEM 1411</td>
<td>Introductory Chemistry or General Chemistry I</td>
<td>4</td>
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<tr>
<td>NUCP 1472</td>
<td>Nuclear Power Plant Organization &amp; Process</td>
<td>4</td>
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**19 semester hours**

**Fall II**

<table>
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<tr>
<th>Course</th>
<th>Course Title</th>
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<tr>
<td>CETT 1409*</td>
<td>DC-AC Circuits*</td>
<td>4</td>
</tr>
<tr>
<td>NUCP 2470</td>
<td>Nuclear Power Plant Systems I</td>
<td>4</td>
</tr>
<tr>
<td>Social Science</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>PTAC 2314</td>
<td>Quality</td>
<td>3</td>
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<tr>
<td>PTAC 1308</td>
<td>Safety, Health, &amp; Environment</td>
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**17 semester hours**

**Spring II**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>NUCP 2471r(CC)</td>
<td>Nuclear Power Plant Systems II</td>
<td>4</td>
</tr>
<tr>
<td>Humanities</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective+</td>
<td>Discipline Related Studies Elective+</td>
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<tr>
<td>SPCH 1318</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>BMGT 2347</td>
<td>Critical Thinking &amp; Problem Solving</td>
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</table>

**17 semester hours**

*Courses may be taken in any order; both must be completed for degree.*
Discipline Related Studies Elective: Students choose one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1411 or 1412</td>
<td>PHYS 1401</td>
</tr>
<tr>
<td>MATH 2413</td>
<td>HART 1407</td>
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<tr>
<td>CETT 1425</td>
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</tr>
</tbody>
</table>

**Nursing: Associate Degree Nursing AAS Degree**

**Preparation for RN (72 semester credit hours)**

An Associate of Applied Science degree program offered by the Division of Allied Health.

The Associate Degree in Nursing (ADN) is a twenty-two month long program to prepare graduates to be accountable, responsible, beginning practitioners of professional nursing who are able to utilize the nursing process in giving direct care to clients in structured health care settings. General education courses as well as nursing courses are included in the curriculum and are transferable to many four-year colleges that offer baccalaureate degrees in nursing. The ADN program has a limited enrollment.

Upon successful completion of the program, graduates are qualified to make application to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The program is approved by the Texas Board of Nursing (BON).

**Admission Requirements**

Due to a limited enrollment, admission to the ADN program is based on the following criteria:

1. ACT scores.
2. Required general education courses completed.
3. College GPA in required general education courses.

To be considered for admission to the program an applicant must submit the following by **March 31**:

1. Completed application to the ADN program.
2. Entrance Test Scores: A composite score of 19 or above on the American College Test (ACT). The ACT must be taken within five years of admission to the ADN program.
3. Transcripts from all colleges attended.

Applicants must meet the admission requirements to Wharton County Junior College. Admission to WCJC is a separate process from admission to the nursing program. Applicants must be eligible to register for courses at WCJC in
order to be considered for admission to the ADN program.

A grade of C or better must be achieved in BIOL 2401, BIOL 2402 and BIOL 2420 prior to admission.

A grade of C or better must be achieved in BIOL 1322, PSYC 2301 and PSYC 2314 prior to graduation.

BIOL 2401, BIOL 2402, and BIOL 2420 must have been taken within the last five years.

A grade-point average of 2.5 is required in all other general education courses in the ADN degree plan.

**Criminal Background Checks and Eligibility for Licensure**

Upon acceptance into the ADN program, students will be required to have Wharton County Junior College complete a criminal background check. If there is something in the background check that cannot be resolved quickly, the student will have to reapply to the nursing program when the problem has been resolved. A student with a significant criminal background screen is eligible to be considered for full acceptance and enrollment in the nursing program if: 1) the student has previously submitted a Declaratory Order to the Texas Board of Nursing (BON), and 2) received BON verification of eligibility for future licensure as a Registered Nurse. A person who has been convicted of or received a deferred order, with or without adjudication of guilt for a crime other than a minor traffic violation or minor in possession, or treated for certain mental illnesses and/or chemical dependency within the last five years must contact the Texas Board of Nursing (BON) to determine eligibility to take the NCLEX-RN.

All individuals seeking licensure as a registered nurse in the state of Texas must submit to the BON, a set of fingerprints for the purpose of obtaining a criminal history from the Texas Department of Public Safety and the Federal Bureau of Investigation.

**Conditions for Full Acceptance**

Upon acceptance, all admissions to the ADN Program are contingent upon the following:

- Completion of a satisfactory criminal background check and negative drug screen
- The cost of the criminal background check and drug screen will be at the student’s expense. Only criminal background checks and drug screens conducted through the College approved agency will be
accepted. The estimated cost of the criminal background check is $52.00.

- Providing a completed health data form
- Showing proof of required immunizations (diphtheria-tetanus, Hepatitis B series, measles, mumps, rubella, and varicella).
- Documentation of annual TB skin test (positive results will require follow-up)
- Proof of current CPR certification by the American Heart Association in Basic Life Support for Healthcare Providers

The curriculum of the Associate Degree Nursing Program is sequential; therefore a student must achieve a grade of “C” in each nursing course to receive credit for the course and progress to the next sequence of courses.

**Expenses:** Estimated costs of tuition, textbooks, fees, diagnostic tests, uniforms, insurance, supplies, and equipment and graduation expenses are approximately $6,500 for in-district students for the two-year period. Scholarships are available, and students may contact the Student Financial Aid Office for information.

**Fees:** Students will be assessed a $160.00 per semester testing fee, a Nursing Skills lab fee of $100.00 for the freshman year first semester, a Nursing Materials fee of $50.00 for the freshman year second semester.

*Prior to admission to the ADN Program the prerequisite courses of BIOL 2401, BIOL 2402, and BIOL 2420 must be completed with a grade of “C” or better. Courses must be taken within five years of admission to the ADN program.*

<table>
<thead>
<tr>
<th>Prerequisite Courses</th>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>BIOL 2401</em></td>
<td></td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td><em>BIOL 2402</em></td>
<td></td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2420</td>
<td></td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>12 semester hours</strong></td>
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**Freshman Year, First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>RNSG 1205</td>
<td>Nursing Skills I</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 1513</td>
<td>Foundations of Nursing Practice</td>
<td>5</td>
</tr>
<tr>
<td>RNSG 1260</td>
<td>Clinical-Nursing (RN Training)</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 1301</td>
<td>Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2301</td>
<td>Psychology</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>18 semester hours</strong></td>
<td>18</td>
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</table>

**Freshman Year, Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>RNSG 1441</td>
<td>Common Concepts of Adult Health</td>
<td>4</td>
</tr>
<tr>
<td>RNSG 1461</td>
<td>Clinical-Nursing (RN Training)</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>
PSYC 2314  Life Span/Growth & Development  3

14 semester hours

Summer Session
RNSG 2213  Mental Health Nursing  2
RNSG 2161  Clinical-Nursing (RN training)  1

3 semester hours

Sophomore Year, First Semester
RNSG 1251  Care of the Childbearing Family  2
RNSG 2262  Clinical-Nursing (RN Training)  2
RNSG 2201  Care of Children and Families  2
RNSG 2263  Clinical-Nursing (RN Training)  2
BIOL 1322  Nutrition  3

***Humanities or Performing/Visual Arts elective  3

14 semester hours

Sophomore Year, Second Semester
RNSG 1343  Complex Concepts of Adult Health  3
RNSG 2231  Advanced Concepts of Adult Health  2
RNSG 2463 (CC)  Clinical-Nursing (RN Training)  4
RNSG 2207 (CC)  Transition to Nursing Practice  2

CC = Capstone Course.  11 semester hours

***This elective must be selected from the list of core requirements for AAS degrees.

Nursing: LVN-ADN Transition Program
(72 semester credit hours)

A transition track program to the Associate of Applied Science degree (AAS) program in nursing offered by the Division of Allied Health

This eleven-month long program provides a transition track into the ADN program. It is designed specifically for students who are already licensed vocational nurses (LVNs) who wish to make the transition to the ADN program. Graduates are prepared to be accountable, responsible, beginning practitioners of professional nursing who are able to utilize the nursing process in giving direct care to clients in structured health care settings.

General education courses as well as nursing courses are included in the curriculum and are transferable to many four-year colleges that offer baccalaureate degrees in nursing.

Upon successful completion of the program, graduates are qualified to make application to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The program is approved by the Texas Board of Nursing (BON).

The LVN-ADN transition program has a limited enrollment.
Admission Procedure and Requirements

Due to a limited enrollment, admission to the LVN-ADN transition program is based on the following criteria:

1. ACT scores
2. Required general education courses completed
3. College GPA in required prerequisite general education courses

To be considered for admission to the program an applicant must submit the following by March 31:

1. Completed application to the LVN-ADN Transition program.
2. Entrance Test Scores: A composite score of 19 or above on the American College Test (ACT). The ACT must be taken within five years of admission to the LVN-ADN Transition program.
3. Transcripts from all colleges attended.
4. Proof of current Texas licensure as a LVN.
5. Proof of a minimum of 1 year of experience as a LVN within the last three-year period.

Applicants must meet the admission requirements to Wharton County Junior College. Admission to WCJC is a separate process from admission to the nursing program. Applicants must be eligible to register for courses at WCJC in order to be considered for admission to the LVN-ADN Transition Program.

A grade of C or better must be achieved in BIOL 1322, BIOL 2401, BIOL 2402, BIOL 2420, PSYC 2301, and PSYC 2314 prior to admission.

A grade-point average of 2.5 is required in all other general education courses in the LVN-ADN degree plan.

Criminal Background Checks and Eligibility for Licensure

Upon acceptance into the LVN-ADN Transition Program, students will be required to have Wharton County Junior College complete a criminal background check. If there is something in the background check that cannot be resolved quickly, the student will have to reapply to the nursing program when the problem has been resolved. A student with a significant criminal background screen is eligible to be considered for full acceptance and enrollment in the nursing program if: 1) the student has previously submitted a Declaratory Order to the Texas Board of Nursing (BON), and 2) received BON verification of eligibility for future licensure as a Registered Nurse. A person who has been convicted of or received a deferred order with or without adjudication of guilt for a crime other than a minor traffic violation or minor in possession or treated for certain mental illnesses and/or chemical dependency within the last five years cannot be considered for full acceptance and enrollment in the LVN-ADN Transition Program.
years must contact the Texas Board of Nursing (BON) to determine eligibility to take the NCLEX-RN.

All individuals seeking licensure as a registered nurse in the state of Texas must submit to the BON, a set of fingerprints for the purpose of obtaining a criminal history from the Texas Department of Public Safety and the Federal Bureau of Investigation.

**Conditions for Full Acceptance**

Upon acceptance, all admissions to the LVN-ADN Transition Program are contingent upon the following:

- Completion of a satisfactory criminal background check
- The cost of the criminal background check will be at the student’s expense. Only criminal background checks conducted through the College approved agency will be accepted. The estimated cost of the criminal background check is $52.00.
- Providing a completed health data form
- Showing proof of required immunizations (diphtheria-tetanus, Hepatitis B series, measles, mumps, rubella, and varicella)
- Documentation of annual TB skin test (positive results will require follow-up)
- Proof of current CPR certification by the American Heart Association in Basic Life Support for Healthcare Providers

The curriculum of the LVN-ADN Transition Program is sequential; therefore a student must achieve a grade of “C” in each nursing course to receive credit for the course and progress to the next sequence of courses.

**Expenses:** Estimated costs of tuition, textbooks, fees, diagnostic tests, uniforms, insurance, supplies, and equipment and graduation expenses are approximately $6,500 for in-district student for the program. Scholarships are available, and students may contact the Student Financial Aid Office for information.

**Students will be assessed a $160.00 per semester testing fee.**

These prerequisite courses must be completed prior to admission to the LVN-ADN Transition Program:

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2401</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2402</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2301</td>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Course</td>
<td>Title</td>
<td>Hours</td>
</tr>
<tr>
<td>--------</td>
<td>--------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2314</td>
<td>Life Span/Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 2420</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1322</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>27 semester hours</strong></td>
</tr>
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**First Summer Session**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNSG 1327</td>
<td>Transition from Vocational to Professional Nursing</td>
<td>3</td>
</tr>
<tr>
<td>RNSG 1161</td>
<td>Clinical-Nursing (RN Training)</td>
<td>1</td>
</tr>
<tr>
<td>Credit for previous experience</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>17 semester hours</strong></td>
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**Second Summer Session**

<table>
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<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>RNSG 2213</td>
<td>Mental Health Nursing</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 2161</td>
<td>Clinical-Nursing (RN Training)</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>3 semester hours</strong></td>
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</table>

**Sophomore Year, First Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNSG 1251</td>
<td>Care of the Childbearing Family</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 2262</td>
<td>Clinical-Nursing (RN Training)</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 2201</td>
<td>Care of Children and Families</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 2263</td>
<td>Clinical-Nursing (RN Training)</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 1301</td>
<td>Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>Humanities or Performing/Visual Arts elective</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>14 semester hours</strong></td>
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**Sophomore Year, Second Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNSG 1343</td>
<td>Complex Concepts of Adult Health</td>
<td>3</td>
</tr>
<tr>
<td>RNSG 2231</td>
<td>Advanced Concepts of Adult Health</td>
<td>2</td>
</tr>
<tr>
<td>RNSG 2463 (CC)</td>
<td>Clinical-Nursing (RN Training)</td>
<td>4</td>
</tr>
<tr>
<td>RNSG 2207 (CC)</td>
<td>Transition to Nursing Practice</td>
<td>2</td>
</tr>
<tr>
<td><strong>CC = Capstone course.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>11 semester hours</strong></td>
</tr>
</tbody>
</table>

**Nursing:**

**Vocational Nursing Certificate (LVN Prep)**

*(51 semester credit hours)*

A certificate program offered by the Division of Allied Health.

The program in vocational nursing includes theory and practical clinical experience designed to prepare the successful student to function as a member of the nursing team in providing nursing care for clients in structured health care settings. Wharton County Junior College offers the program in vocational nursing at the Wharton campus. This program is fully approved by the Texas Board of Nursing (BON). Upon successful completion of the program, graduates are qualified to make application to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). Those passing this examination and the jurisprudence examination will qualify for licensure as a vocational nurse (LVN).
The aim of the program is to provide the type of educational background essential to preparing vocational nurses to assist in conserving life and promoting the physical, mental, emotional, and spiritual welfare of patients and their families.

The VN program has a limited enrollment.

**Criminal Background Checks and Eligibility for Licensure**

Upon acceptance into the VN program students will be required to complete a criminal background check and drug screen through the college approved agency at the student’s expense. A student with a positive criminal background screen is eligible to be considered for full acceptance and enrollment in the VN program if: 1) the student has previously submitted a Declaratory Order to the Texas Board of Nursing (BON) and 2) received BON verification of eligibility for future licensure as a Licensed Vocational Nurse. A person who has been convicted of or received a deferred order with or without adjudication of guilt for a crime other than a minor traffic violation or minor in possession or treated for certain mental illnesses and/or chemical dependency within the last five years must contact the BON to determine eligibility to take the NCLEX-PN.

All applicants seeking initial licensure by examination as a Licensed Vocational Nurse in the state of Texas must submit to the BON, a set of fingerprints for the purpose of obtaining a criminal history from the Texas Department of Public Safety and the Federal Bureau of Investigation.

**Admission Requirements and Procedure**

Note: An applicant must submit the following by May 31st

1. Applicants must meet the admission requirements to Wharton County Junior College, be a high-school graduate or have satisfactory scores on the Test of General Education Development (GED). Admission to WCJC is a separate process from admission to the nursing program. Applicants must be eligible to register for courses at WCJC in order to be considered for admission.
2. Entrance Test Scores: All students applying for the Vocational Nursing program are required to take the THEA (formerly TASP), ASSET, or COMPASS test. Scores may be no older than 5 years.
3. Completed application to the VN Program.
4. Transcripts from all colleges attended, including Wharton County Junior College.
5. Three completed personal reference forms.
6. Completed Questionnaire Form.
7. Proof of completion of Hepatitis B vaccine: The Texas Department of State Health Services (DSHS) requires that all nursing students provide
proof of completion of the Hepatitis B immunization series or provide proof of immunity to Hepatitis B before being allowed to administer patient care. Since students begin to administer patient care in November, all applicants are required to provide proof of completion of at least the first two shots. This proof must accompany the application. The Hepatitis B vaccine is a series of three injections which takes 6 months to complete.

8. Applicants will be exempted from VNSG1505 if they have:
   a. taken Biology 2401 and 2402 and BIOL 1322 within the past two years and passed with at least a B and;
   b. passed the VNSG1505 final with a 75% or better.

9. Applicants will be exempted from VNSG1133 if they have:
   a. taken PSYC 2314 within the past five (5) years and passed with at least a B and;
   b. passed the VNSG 1133 final with a 75% or better.

10. Conditions for Full Acceptance: Upon acceptance, all admissions to the VN program are contingent upon the following:
    • completion of a satisfactory criminal background check and negative drug screen
    • The cost of the criminal background check and drug screen will be at the student’s expense. Only criminal background checks and drug screens conducted through the college approved agency will be accepted. The estimated cost of the criminal background check is $52.00. The estimated cost of the drug screen is $40.00.
    • completion of VN Program Health Data Form
    • documentation of required immunizations (diphtheria-tetanus, Hepatitis B, measles, mumps, rubella, and varicella)
    • documentation of a TB skin test (positive results will require follow-up)
    • documentation of current CPR certification by the American Heart Association in Basic Life Support for Healthcare Providers.

Cost of the Vocational Nursing program is approximately $3,200* excluding tuition and fees. This includes the THEA/ASSET test fee, liability insurance, books, miscellaneous supplies, uniforms, and costs related to graduation and licensure. The cost of tuition and fees is dependent on residence status.

*Program costs including tuition and fees are subject to change without notice.

### LVN Program Curriculum

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>VNSG 1423</td>
<td>Basic Nursing Skills</td>
<td>4</td>
</tr>
<tr>
<td>VNSG 1429</td>
<td>Medical-Surgical Nursing</td>
<td>4</td>
</tr>
<tr>
<td>VNSG 1304</td>
<td>Foundations of Nursing</td>
<td>3</td>
</tr>
<tr>
<td>VNSG 1327</td>
<td>Essentials of Medication Administration</td>
<td>3</td>
</tr>
</tbody>
</table>
**Office Administration Certificate and AAS Degree**

**Certificate (32 semester credit hours)**

**AAS Degree (62-63 semester credit hours)**

A Certificate and Associate of Applied Science degree program offered by the Division of Technology and Business.

### Administrative Assistant Certificate

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACNT 1303*</td>
<td>Introduction to Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>POFI 2301</td>
<td>Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1227</td>
<td>Introduction to Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>POFT 1301</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1309</td>
<td>Administrative Office Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>MRKG 1301</td>
<td>Customer Relations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
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</tr>
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<td><strong>Total Semester Hours:</strong> 17 semester hours</td>
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<table>
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<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year, Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACNT 1311</td>
<td>Introduction to Computerized Accounting</td>
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<tr>
<td>POFT 1321</td>
<td>Business Math</td>
<td>3</td>
</tr>
<tr>
<td>POFT 2331</td>
<td>Desktop Publishing</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1349</td>
<td>Spreadsheets: Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1313 **</td>
<td>Professional Workforce</td>
<td>3</td>
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</tbody>
</table>

*Tech Prep course **Capstone Course 15 semester hours

### Office Administration AAS Degree

This flexible program is designed so that students complete a foundation
program and then choose their office specialization from accounting, legal, or computer courses. The AAS degree in Office Administration includes a combination of courses and practical experiences including in-depth knowledge of software used in modern offices, communication skills, systematizing information about transactions and activities into accounts and quantitative records, paying and receiving money, and generally accepted office procedures. A graduate of this program is prepared to work as an office administrator, office assistant, legal secretary, bookkeeper, cashier, teller, and in other related occupations depending on the area of specialization.

Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science degree. Contact your transfer university for information.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year, First Semester</strong></td>
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<td></td>
</tr>
<tr>
<td>ACNT 1303**</td>
<td>Introduction to Accounting I</td>
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</tr>
<tr>
<td>POFI 2301</td>
<td>Word Processing</td>
<td>3</td>
</tr>
<tr>
<td>POFT 1227</td>
<td>Introduction to Keyboarding</td>
<td>2</td>
</tr>
<tr>
<td>POFT 1301</td>
<td>Business English</td>
<td>3</td>
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<tr>
<td>POFT 1309</td>
<td>Administrative Office Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>MRKG 1301</td>
<td>Customer Relations</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>17 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Freshman Year, Second Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACNT 1311</td>
<td>Introduction to Computerized Accounting</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1321</td>
<td>Business Math</td>
<td>3</td>
</tr>
<tr>
<td>POFI 2331</td>
<td>Desktop Publishing</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1349</td>
<td>Spreadsheets: Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>POFI 1313 ***</td>
<td>Professional Workforce</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>15 semester hours</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Sophomore Year, First Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUSI 1301</td>
<td>Business Principles</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td>Social/Behavioral Science elective</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1301 or SPCH 1315</td>
<td>Composition I Fundamentals of Speech</td>
<td>3</td>
</tr>
<tr>
<td>Free elective*</td>
<td>(Accounting, Paralegal or Computer Science)</td>
<td>3</td>
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<tr>
<td>Math/Natural Science elective</td>
<td></td>
<td>3-4</td>
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<tr>
<td></td>
<td><strong>15-16 semester hours</strong></td>
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<td><strong>Sophomore Year, Second Semester</strong></td>
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</tr>
<tr>
<td>PBAD 2339</td>
<td>Human Resource Management</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td>Humanities or Performing/Visual Arts elective</td>
<td>3</td>
</tr>
<tr>
<td>BUSI 2304 (CC)</td>
<td>Business Report Writing &amp; Correspondence</td>
<td>3</td>
</tr>
<tr>
<td>Social/Behavioral Science elective</td>
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</tr>
<tr>
<td>Elective*</td>
<td>(Accounting, Paralegal or Computer Science)</td>
<td>3</td>
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</tbody>
</table>

*** Capstone Course

* Electives should be selected from Accounting, Paralegal Studies, or Computer Science courses for maximum job skills.

**Tech Prep course
Paralegal Studies AAS Degree
AAS Degree (68 semester credit hours)

An Associate of Applied Science degree offered by the Technology and Business Division.

The AAS in Paralegal Studies program prepares students for careers as Paralegals, assisting lawyers in law offices, corporate or government legal departments, non-profits and legal clinics. It can also serve as the first two years of study toward a Bachelor of Applied Science degree at many colleges and universities. Contact your transfer university for information. This program is excellent preparation for students who plan to attend law school.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year, First Semester</td>
<td>ENGL 1301 Composition I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>HIST 1301 U.S. History I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>MATH 1314 College Algebra</td>
<td>3</td>
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<tr>
<td></td>
<td>LGLA 1313 Introduction to Paralegal Studies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LGLA 1303 Legal Research</td>
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<td></td>
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<td>15 semester hours</td>
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<th>Semester Hours</th>
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<tbody>
<tr>
<td>Freshman Year, Second Semester</td>
<td>ENGL 1302 Composition II</td>
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<td>HIST 1302 U.S. History II</td>
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<td></td>
<td>Natural Science Elective</td>
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<td></td>
<td>Social or Behavioral Science Elective</td>
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</tr>
<tr>
<td></td>
<td>LGLA 1305 Legal Writing</td>
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<td>LGLA 1345 Civil Litigation</td>
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<td>19 semester hours</td>
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<tbody>
<tr>
<td>Sophomore Year, First Semester</td>
<td>GOVT 2301 Constitutions, Federalism and Participation</td>
<td>3</td>
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<td></td>
<td>Natural Science Elective</td>
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<tr>
<td></td>
<td>Humanities or Performing/Visual Arts Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LGLA 1353 Wills, Trusts, and Probate Administration</td>
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<td>LGLA 1355 Family Law</td>
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<td></td>
<td>LGLA 2307 Law Office Management</td>
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<td></td>
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<td>19 semester hours</td>
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<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>Sophomore Year, Second Semester</td>
<td>GOVT 2302 Institutions, Rights and Public Policies</td>
<td>3</td>
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<td>LGLA 2309 Real Property</td>
<td>3</td>
</tr>
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<td></td>
<td>LGLA 2313 Criminal Law and Procedures</td>
<td>3</td>
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<tr>
<td></td>
<td>LGLA 1351 Contracts</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>LGLA 2388 (CC) Internship – Paralegal/Legal Assistant</td>
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<tr>
<td></td>
<td>(CC) = Capstone Course.</td>
<td>15 semester hours</td>
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</table>
Physical Therapist Assistant AAS Degree
(71 semester credit hours)

An Associate of Applied Science degree program offered by the Division of Allied Health.

This is a 21-month course of study accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association. The program includes supervised classroom and clinical experiences designed to prepare the graduate for eligibility to take the examination to become a Licensed Physical Therapist Assistant. Upon successful completion of the program, the student is awarded an Associate of Applied Science degree and is eligible to sit for the licensing exam given by the Texas State Board of Physical Therapy Examiners.

Requirements and Procedures

Applicants must obtain an “Information Packet” from the Physical Therapist Assistant (PTA) program. Information packets can be obtained by calling the PTA program or by downloading from the PTA website. Consideration for acceptance into the PTA program is based upon submission of the following:

1. Completed Application for Admission to WCJC, submitted to the Office of Admissions and Registration.
2. Completed application for the Physical Therapist Assistant program submitted to the PTA program director. Program application is part of the PTA Information Packet.
3. Composite score of 18 on the Enhanced American College Test (ACT), current within the last five years, and must include a minimum score of 18 on the science reasoning section of the ACT.
4. Copy of ALL college transcripts (if applicable). Applicant is responsible for providing the PTA program with WCJC transcripts.
5. Transcript Evaluation Form if you have attended other institutions other than WCJC. The transcript(s) should be evaluated by Susan Hoelscher in the Registrar’s Office and a copy of the evaluation turned into the PTA program with your completed application.
6. Completion of both semesters of Human Anatomy & Physiology (BIOL 2401 & 2402) prior to admission is highly recommended. Preference will be given to those applicants meeting this recommendation. Completion of BIOL 2401 & 2402 must be current within 10 years.
7. Minimum of 40 observation hours in at least two different clinical settings.
8. Verification of observation hours. Form used to verify observation hours is part of PTA Information Packet.

Most clinical facilities require that criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the WCJC Physical Therapist Assistant program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency. An applicant with an unsatisfactory criminal background check will only be eligible to receive full acceptance and enroll in the PTA program if: 1) the applicant has their background check information reviewed by the chief investigator of the Texas Board of Physical Therapy Examiners; and 2) the applicant provides a letter from the Texas Board of Physical Therapy Examiners stating that the applicant would be currently eligible for state licensure. The cost of the criminal background check will be at the applicant’s expense. The anticipated cost for the criminal background check is approximately $55.00. In addition, the student enrolled in the PTA program may also be subject to drug screen testing if required by a clinical facility or if the student is suspected of substance abuse at any time during a clinical affiliation.

The PTA program has a limited enrollment and admission to the program is on a selective basis. Preference during the selection process is given to those applicants who have college credit with a grade of “C” or above in the non-PTA courses listed below. Admission to the college does not guarantee admission to the PTA program. **Deadline for application is the last Thursday in May** with admission determined by the PTA selection committee. Applicants are notified by letter of the committee’s decision in early June.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2401</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2402</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1302 or ENGL 2311</td>
<td>Composition II or Technical Report Writing</td>
<td>3</td>
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<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2314</td>
<td>Life Span/Growth &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>***Humanities or Performing/Visual Arts elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

**26 semester hours**

Students must receive a grade of “C” or better in the non-PTA courses listed above in order to satisfy graduation requirements of the PTA program.

***This elective must be selected from the list of core requirements for AAS degrees.
Estimated Expenses

1. Tuition and Fees........................................ consult WCJC college catalog
2. Books and Supplies - approximately ........................................ $500
3. Physical Exam w/ proof of immunizations (Hepatitis B required)- ................................................................. varies
4. CPR certification................................................................... varies
5. Uniform, name tag, watch with second hand- approximately $100-150
6. Parking (required at some clinics)................................. varies
7. Travel – students may be required to leave the Wharton area to complete their full-time clinical affiliations, resulting in additional travel and housing costs................................. varies
8. Graduation Cap and Gown - approximately ...................... $35
9. Criminal Background Check - approximately .................... $55
10. Drug Screen – approximately ........................................... $40
11. Student Liability Insurance fee* ......................................... $20
12. Student Accident Medical Insurance fee** ...................... $15

*This will be added to PTHA 1413 and PTHA 2435 courses.
**This will be added to the PTHA 1360 course.

Transportation costs to clinical sites vary with location of clinics. Proof of immunization is required prior to admission to the program. Completion of the Hepatitis B vaccination series is required before the student begins their first clinical rotation during the summer semester.

A CPR certificate is prerequisite to clinical rotations.

All inquiries, applications, and transcripts must be mailed directly to the Director of the Physical Therapist Assistant program.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>Freshmen Year, Fall Semester</td>
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<td></td>
</tr>
<tr>
<td>BIOL 2401</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>COSC 1300</td>
<td>Introduction to Computing</td>
<td>3</td>
</tr>
<tr>
<td>PTHA 1409</td>
<td>Introduction to Physical Therapy</td>
<td>4</td>
</tr>
<tr>
<td>PTHA 1413</td>
<td>Functional Anatomy</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>18 semester hours</td>
</tr>
<tr>
<td>Freshmen Year, Spring Semester</td>
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<td></td>
</tr>
<tr>
<td>BIOL 2402</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
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<td>ENGL 1302 or ENGL 2311</td>
<td>Composition II or Technical Report Writing</td>
<td>3</td>
</tr>
<tr>
<td>PTHA 2201</td>
<td>Essentials Of Data Collection</td>
<td>2</td>
</tr>
<tr>
<td>PTHA 1531</td>
<td>Physical Agents</td>
<td>5</td>
</tr>
<tr>
<td>PTHA 2409</td>
<td>Therapeutic Exercise</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>18 semester hours</td>
</tr>
<tr>
<td>Semester</td>
<td>Course</td>
<td>Credit Hours</td>
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<tr>
<td>---------------</td>
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<tr>
<td><strong>Summer I</strong></td>
<td>PSYC 2314 Lifespan Growth &amp; Development</td>
<td>3</td>
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<tr>
<td></td>
<td>PTHA 2205 Neurology</td>
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<td><strong>5 semester hours</strong></td>
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<tr>
<td><strong>Summer II</strong></td>
<td>PTHA 1360 Clinical-Physical Therapist Assistant I</td>
<td>3</td>
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<td>Humanities or Performing/Visual Arts Course</td>
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<td><strong>Sophomore Year, Fall Semester</strong></td>
<td>MATH 1314 College Algebra</td>
<td>3</td>
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<tr>
<td></td>
<td>PTHA 1321 Pathophysiology</td>
<td>3</td>
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<tr>
<td></td>
<td>PTHA 2431 Management of Neurological Disorders</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PTHA 2435 Rehabilitation Techniques</td>
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<td><strong>14 semester hours</strong></td>
<td></td>
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<tr>
<td><strong>Sophomore Year, Spring Semester</strong></td>
<td>PTHA 2360 <strong>Clinical-Physical Therapist Assistant II</strong></td>
<td>3</td>
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<td></td>
<td>PTHA 2460 <strong>Clinical-Physical Therapist Assistant III</strong></td>
<td>4</td>
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<tr>
<td></td>
<td>PTHA 2339 <strong>Professional Issues</strong></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Capstone Course</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>10 semester hours</strong></td>
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</tbody>
</table>

The curriculum of the Physical Therapist Assistant program is sequential; therefore a student must achieve a grade of “C” in each PTA course in order to progress to the next semester of coursework. Students who do not maintain a “C” average in all PTA courses will be dropped from the program. Readmission the following year is conditional and contingent upon compliance with the “Readmission Policy” outlined in the PTA Student Handbook.

**Police Academy**

**Basic Peace Officers Training Certificate (20 semester credit hours)**

A certificate program offered by the WCJC Police Academy in the Division of Vocational Science, through Public Safety Training.

WCJC operates a licensed police academy certified by the Texas Commission on Law Enforcement Officer Standards and Education. Participants must apply and be accepted. Students who successfully complete this training are eligible to take the state licensing examination to become a licensed peace officer in the State of Texas.

The police academy offers both day and evening classes in the Basic Peace Officers Course. The Police Academy also offers in-service training for area law-enforcement agencies and officers. Students must take certificate courses as a block. A class average of 80% and a grade of 80 on the final exam are required to successfully complete the Basic Peace Officers Certificate Course.
The following qualifications **must** be met before enrolling in the WCJC Police Academy (Basic Peace Officers Certificate Course):

1. Be at least 21 years of age within 60 days after graduation from the police academy; **or**
   a. have received credit for at least 60 semester hours of study from an accredited college or university; or
   b. have received an associate degree from an accredited college; **or**
   c. have received an Honorable Discharge from the Armed Forces of the United States after at least two years of active service; **and**

2. Have **not** been convicted at any time of a felony offense.

3. Have **never** been nor currently on court-ordered community supervision or probation for any criminal offense above the grade of a Class B misdemeanor or a Class B Misdemeanor within the last ten years.

4. Have **never** been convicted for any criminal offense above the grade of a Class B Misdemeanor or a Class B Misdemeanor within the last 10 years.

5. Have **never** been convicted at any time of a Family Violence offense.

6. Are **not** prohibited by state or federal law from possessing firearms or ammunition.

7. Be a high-school graduate or
   a. received a high school equivalency certificate and has completed at least 12 hours at an institution of higher education with at least a 2.0 grade point average on a 4.0 scale, or
   b. an honorable discharge from the armed forces of the United States after at least 24 months of active duty service.

8. Be examined by a licensed physician and be declared, in writing, within the past 90 days, both:
   a. to be physically sound and free from any defects which may adversely affect the performance of duty as a peace officer, reserve peace officer, or jailer; and
   b. to show no trace of drug dependency or illegal drug use after a physical examination, blood test, or other medical test.

9. Be examined by the WCJC Police Academy's licensed psychologist or psychiatrist at the prescribed time and declared in writing to be in satisfactory psychological and emotional health.

10. Be of good moral character.

11. Successfully complete all entry tests and forms as required by the WCJC Police Academy.
Applicants who are currently employed by a law-enforcement agency and have completed these requirements as a part of their employment need not be re-examined, but must submit documentation for verification. This does not include the academy's entry examinations.

<table>
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<tr>
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<th>Course Title</th>
<th>Semester Hours</th>
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<td>CJLE 1506</td>
<td>Basic Peace Officer I</td>
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<td>CJLE 1512</td>
<td>Basic Peace Officer II</td>
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<tbody>
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<td>CJLE 1518</td>
<td>Basic Peace Officer III</td>
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<tr>
<td>CJLE 1524</td>
<td>Basic Peace Officer IV</td>
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<td><strong>10 semester hours</strong></td>
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Persons who wish to enroll in police training should write to the Wharton County Junior College Public Safety Training, 911 E. Boling Hwy, Wharton, Texas 77488.

### Process Technology AAS Degree
(68-69 semester credit hours)

An Associate of Applied Science degree program offered by the Division of Vocational Science.

The program in Process Technology is designed to prepare students for advanced technology in the area of process operations at petrochemical and refining companies and other industries. Students will be provided with both the academic and technical competencies required by the rapidly changing technology demands of the industry. Students in the program learn theory as well as have hands-on experience.

<table>
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<th>Course Title</th>
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<td>Intro to Process Technology</td>
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<tr>
<td>PTAC 1308</td>
<td>Safety, Health &amp; Environment</td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
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<td>CHEM 1405</td>
<td>Intro Chemistry I</td>
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<td>COSC 1300</td>
<td>Introduction to Computing</td>
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<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
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<td>PTAC 1410</td>
<td>Process Technology I – Equipment</td>
<td>4</td>
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<td>SPCH 1315 or</td>
<td>Fundament of Speech, or</td>
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<tr>
<td>SPCH 1318</td>
<td>Interpersonal Communications</td>
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<td>PTAC 1432</td>
<td>Instrumentation I</td>
<td>4</td>
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<td></td>
<td>Humanities or Visual/Performing Arts elective***</td>
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</table>
Radiologic Technology AAS Degree
(72 semester credit hours)

An Associate of Applied Science degree program offered by the Division of Allied Health.

Consistent with the mission of Wharton County Junior College, the Radiography Program will graduate students with an Associate of Applied Science. The program will afford the opportunity for individual growth, application of knowledge, and articulation to a baccalaureate degree program in the pursuit of continuous knowledge. Upon graduation from the program, the student will have the clinical, problem-solving, and communication skills equal to that of an entry-level radiologic technologist able to meet the needs of our community.

WCJC offers a cooperative program with local hospitals designed to provide understanding, proficiency, and skill in radiologic technology. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT) 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901 TEL: (312)704-5300. Graduates are eligible to sit for the certification exam administered by the American Registry of Radiologic Technologists (ARRT), 1255 Northland Dr., St. Paul, MN 55120 TEL: (651) 687-0048, and to

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BMGT 2347</td>
<td>Critical Thinking &amp; Problem Solving</td>
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<td>PTAC 2436</td>
<td>Instrumentation II</td>
<td>4</td>
</tr>
<tr>
<td>PTAC 2420</td>
<td>Process Technology II – Systems</td>
<td>4</td>
</tr>
<tr>
<td>FIRT 1315</td>
<td>Hazardous Materials</td>
<td>3</td>
</tr>
</tbody>
</table>

**17 semester hours**

**Sophomore Year, Second Semester**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTAC 1454</td>
<td>Petrochemical Processes</td>
<td>4</td>
</tr>
<tr>
<td>PTAC 2446 (CC)</td>
<td>Process Troubleshooting</td>
<td>4</td>
</tr>
<tr>
<td>PTAC 2314</td>
<td>Quality</td>
<td>3</td>
</tr>
<tr>
<td>PTAC 2438 (CC)</td>
<td>Process Technology III – Operations (Note: CTEC 1380 Co-Operative Education I-Technician will substitute for this course based upon selection criteria in Course Description.)</td>
<td>4</td>
</tr>
<tr>
<td>PHED 1304</td>
<td>Health</td>
<td>3</td>
</tr>
<tr>
<td>CTEC 1380*</td>
<td>Cooperative Education I – Technician (Note: If not selected for this course per selection process in course description, the student must take PTAC 2438 to meet graduation requirements.)</td>
<td>3</td>
</tr>
</tbody>
</table>

**CC = Capstone Course**

17-18 semester hours

*See Department Head for details.

***This elective must be selected from the list of core requirements for AAS degrees.
apply for state licensure through the Texas Department of Health.

The RT curriculum is a balance of general educational and technical courses as well as supervised clinical work at local hospitals. These courses provide the student with an opportunity for educational development as well as occupational competence during the 24-month program.

The program in Radiologic Technology has a limited enrollment.

**Admission Requirements and Procedure**

Applicants must be 18 years of age, be high-school graduates, or have satisfactory scores on the Test of General Education Development (GED). In addition, they must have a composite score of 18 on the American College Test (ACT) taken within the last five years. Finally, they must have 16 hours of observation at an affiliated hospital.

Applicants must obtain an application packet from the Radiologic Technology Department and provide:

1. Meet WCJC college requirements for admission.
2. Complete application of admission to Radiologic Technology Program.
3. A transcript from each college you have attended.
4. Transcript Evaluation Form if you have attended institutions other than WCJC. The transcript(s) should be evaluated by Susan Hoelscher in the Registrar’s office and a copy of the evaluation turned into the radiology program with your completed application.
5. Copy of ACT scores with a composite of at least 18 Enhanced taken within the last five years.
7. Completion of 16 hours of observation in a radiology department of a hospital or clinic, observing a licensed radiographer. The prospective student must complete 8 of the 16 hours starting at 8:00 a.m. Monday through Friday. Prospective students are expected to adhere to the hospital or clinic’s rules and ethical conduct codes. An appointment must be made with the Director of the Radiology Department. Please wear slacks and a nice shirt or blouse. Jeans, T-shirts, and open-toed shoes are not acceptable. If you are not dressed appropriately the clinic personnel will send you home.
8. Observation Evaluation Form verifying observation hours (form included in the Radiologic Technology Program application packet). This evaluation form will be completed by the technologist. The evaluation will be based on the prospective student’s interest and involvement in the department.
9. Prepare a one-page typed summary of what you learned during your observation at the hospital during the 16-hour observation period.
10. Technical Standards form (included in application packet) signed.
11. Confidentiality statement (included in application packet) signed.
12. ARRT Eligibility Notification Form
13. Pass all three sections of the THEA test or satisfy the basic skills requirement in any way prescribed by the Texas Higher Education Coordinating Board
14. Hepatitis B series must be completed prior to May 31st and documentation attached. This series takes 6 months to complete.

Preference is given to applicants who have college credit in the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2401*</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2402*</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PSYC 2301</td>
<td>Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Humanities or Performing/Visual Arts course</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>20 semester hours</strong></td>
</tr>
</tbody>
</table>

* Courses must be taken within five years of admission into the Radiologic Technology Program. Students must receive a “C” or better in the courses listed above to satisfy graduation requirements for the Radiology program.

**Criminal Background Checks**

Most clinical facilities require that criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the Radiologic Technology Program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency. An applicant with an unsatisfactory criminal background check will not be accepted into the program in the year for which they have applied, but will have the option of completing the following steps and re-applying for the following year:

1. Submit a “Pre-Application Review” with the American Registry of Radiologic Technologists (ARRT), and
2. Receive ARRT verification of eligibility for possible future ARRT certification.

Upon completion of the above steps the applicant may make an appointment with the program director to discuss clinical options. The clinical site must be willing to accept the applicant for clinical rotations.

The cost of the criminal background check will be at the applicant’s expense. The anticipated cost for the criminal background check is $52.00.
Drug Screening

Applicants conditionally accepted into WCJC Radiologic Technology Program will also be required to complete a drug screen with negative results. Only drug screens conducted through a college approved agency will be accepted. The estimated cost of the drug screen is $40.00. For more information regarding the drug screening contact the program director of the Radiologic Technology program.

Students who do not maintain a grade of “C” or above in each Radiology course will be dropped from the program.

Applicants or those seeking additional information should contact the director of the Radiologic Technology program. Applicants should submit the required information prior to May 31 for review by the Admissions Committee.

Expenses

Tuition and Fees.......................... see Financial Information Section
Books (approximate) ................................................................................. $850
Uniform (approximate) ........................................................................ $65
CPR course ................................................ Varies according to course provider
Liability Insurance (approximate) ......................................................... $20/year
Physical Examination .................................. individual physician's fee
Transportation Costs ................................ vary according to clinical site
Graduation Pin ................................... $40
Name Pin .............................................. $10
Criminal Background Check ................................................................. $52
Drug Screen .......................................................................................... $40
TDH License ......................................................................................... $32
ARRT EXAM .................................................................................... $150

Upon selection to the program, students must remit a deposit of $75 to secure final admission.

Sample schedule assuming no completed course work:

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year, First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADR 1201</td>
<td>Introduction to Radiography</td>
<td>2</td>
</tr>
<tr>
<td>RADR 1303</td>
<td>Patient Care</td>
<td>3</td>
</tr>
<tr>
<td>RADR 1411</td>
<td>Basic Radiographic Procedures</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 2401</td>
<td>Human Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>13 semester hours</td>
</tr>
<tr>
<td>Freshman Year, Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADR 2401</td>
<td>Intermediate Radiographic Procedures</td>
<td>4</td>
</tr>
<tr>
<td>RADR 1313</td>
<td>Principles of Radiographic Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>RADR 1266</td>
<td>Practicum I</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 2402</td>
<td>Human Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1314</td>
<td>College Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>
Capstone Experience: During the last semester of the program, the capstone experience consists of a total body competency exam that tests the student’s psychomotor skills and a mock registry exam that measures cognitive skills. The students are then allowed to sit for the American Registry of Radiologic Technologists examination.

Surgical Technology Certificate
(41 semester credit hours)

A certificate program offered by the Division of Allied Health.

The program in surgical technology includes theory and practical clinical experience designed to prepare the successful completer to function as an integral member of the surgical team. Emphasis is placed on the proper application of sterile technique and modern technology to patient care in the operating room. Upon completion of the program the student is qualified to take the national certification examination for surgical technologists. The program is accredited by the Accreditation Review Committee—Surgical Technology (ARC-ST) in collaboration with the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Wharton County Junior College offers the Surgical Technology program at the
main campus located in Wharton, Texas.

**Admission Requirements and Procedure**

Applicants must:

1. Be high school graduates or have satisfactory scores on the Test of General Education Development (GED) and be 18 years of age.

2. Have satisfactory scores on required pre-entrance exams, ACT scores can be no older than five years:
   a. Enhanced ACT composite of at least 17;
   b. ACT Reading score of at least 18;
   c. THEA given by State or WCJC only
   d. ASSET test taken at WCJC only

3. Have pre-entrance physical examination by a physician. Must be turned in to Director before the first class day.

4. Provide evidence of current certification for American Heart Association for Healthcare Providers (CPR). This certification must be maintained while enrolled in the program.

5. Submit documentation of TB skin test. Positive results of the TB skin test must be followed up by a chest x-ray or accompanied by a statement from a physician identifying the reason for the positive test and any needed treatment/follow-up.

6. Provide evidence of required immunizations or immunity to: Diphtheria-Tetanus, Hepatitis B (the first Hepatitis B vaccine must be given no later than May 15 prior to entering the program. The series takes six (6) months to complete), Measles, Mumps, and Rubella.

7. For consideration of readmission, an applicant must take the final examinations in the courses that he/she has completed satisfactorily and make a 75% or better. The selection committee will review the results on an individual basis and determine admission status.

8. Applicants will be exempted from VNSG 1420 if they have taken BIOL 2401 and BIOL 2402 within the past five years with a grade of C or better. Applicants will be exempted from VNSG 1115 if they have taken BIOL 2420 within the past five years with a grade of C or better. Applicants will be exempted from SRGT 1301 if they have taken HITT 1305 with a grade of C or better.

To be considered for admission to the program an applicant must submit the following by the last Thursday in May:

1. Copy of completed application for admission to Wharton County
Junior College.

2. Completed application to the Surgical Technology Program.

3. Entrance Test scores (Scores can be no older than five years):
   - ACT (American College Test): Enhanced composite of at least 17, Reading score of at least 18 or,
   - THEA or ASSET test.

4. Copy of current Driver’s License.

5. Proof of Permanent Residence.

6. High School Transcript or GED.

7. Transcripts from all colleges attended.

**Estimated Expenses**

- Criminal Background Check…………………………...Approximately $53
- Drug Testing…………………………………………………Approximately $50
- Tuition and Fees ..................................................See Financial Information Section
- Textbooks……………………………………………………$700
- Name Pin……………………………………………………..$10
- Pre-entrance Test Fee (ACT)………………………………$30
- Lab Coat………………………………………………………$25
- Hospital Shoes……………………………………prices vary upon choice of vendor
- Eye Shields………………………………………………….$12
- Liability Insurance………………………………………….$20
- Graduation Certificate……………………………………
- AST Student Membership………………………………...$45
- Certification Exam Fee (Second semester)………………$190
- Pin ………………………………………………………………. $65
- Uniform………………………………………………………$150
- Transportation costs ………….vary according to clinical site
- Self Assessment Exam ………………………………………$35

**Personal Expenses to Consider**

Travel, meals, and parking pertaining to clinical sites vary according to individually planned schedules. Students are responsible for transportation.

The student must maintain a minimum grade point average of 75 (C) in each subject to remain in the program. Grading system: 90-100=A; 89-80=B; 79-75=C; 60-74=D; below 0-59=F.

**Criminal Background Checks and Drug Screening**

Most clinical facilities require that criminal background checks and drug screens
be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the Surgical Technology program will be required to complete a criminal background and drug screen through the college approved agency. Final acceptance into the program is contingent upon a satisfactory background check and a negative drug screen. The cost of the criminal background check and drug screen will be at the applicant’s expense. Information regarding this process should be obtained from the Surgical Technology Department Head.

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRGT 1301</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>VNLSG 1420</td>
<td>Anatomy and Physiology for Allied Health</td>
<td>4</td>
</tr>
<tr>
<td>VNLSG 1115</td>
<td>Disease Control and Prevention</td>
<td>1</td>
</tr>
<tr>
<td>SRGT 1405</td>
<td>Introduction to Surgical Technology</td>
<td>4</td>
</tr>
<tr>
<td>SRGT 1409</td>
<td>Fundamentals of Aseptic Technique</td>
<td>4</td>
</tr>
</tbody>
</table>

**First Semester**

16 semester hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPRS 2301</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>SRGT 1541</td>
<td>Surgical Procedures I</td>
<td>5</td>
</tr>
<tr>
<td>HITT 1249</td>
<td>Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>SRGT 1560</td>
<td>Clinical I-Surgical/Operating Room Technician</td>
<td>5</td>
</tr>
</tbody>
</table>

**Second Semester**

15 semester hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRGT 2130</td>
<td>Professional Readiness</td>
<td>1</td>
</tr>
<tr>
<td>SRGT 1542</td>
<td>Surgical Procedures II</td>
<td>5</td>
</tr>
<tr>
<td>SRGT 2461 (CC)</td>
<td>Clinical II-Surgical/Operating Room Technician</td>
<td>4</td>
</tr>
</tbody>
</table>

**Summer Session I & II**

10 semester hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
</table>

Welding Technology Certificate

(39 semester credit hours)

A certificate program offered by the Division Vocational Science.

The Welding Technology Certification (WTC) Program is designed to prepare individuals for a career as a welding technician in the fabrication, construction and manufacturing industries. This includes hands-on skills development in the application of SMAW, GTAW, GMAW, FCAW and SAW process, in all positions, using pipe, plate and structural shapes. The Welding Technology Certificate curriculum also includes basic metallurgy and inspection procedures. The WTC program prepares the student for entry-level employment as a structural welder or welding technician.

To receive a certificate, the student must maintain an overall GPLA of 2.0.

**Entrance Requirements**
Applicants must be high-school graduates or have satisfactory scores on the Test of General Education Development (GED).

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLDG 1428</td>
<td>Intro to Shielded Metal Arc Welding</td>
<td>4</td>
</tr>
<tr>
<td>WLDG 1417</td>
<td>Intro to Layout and Fabrication</td>
<td>4</td>
</tr>
<tr>
<td>WLDG 1413</td>
<td>Intro to Blueprint Reading</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 semester hours</td>
</tr>
<tr>
<td>Second Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLDG 1434</td>
<td>Intro to Gas Tungsten Arc Welding</td>
<td>4</td>
</tr>
<tr>
<td>WLDG 1457</td>
<td>Intermediate Shielded Metal Arc Welding</td>
<td>4</td>
</tr>
<tr>
<td>WLDG 1435</td>
<td>Intro to Pipe Welding</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12 semester hours</td>
</tr>
<tr>
<td>Third Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WLDG 2380</td>
<td>Cooperative Education</td>
<td>3</td>
</tr>
<tr>
<td>WLDG 2453</td>
<td>Advanced Pipe Welding</td>
<td>4</td>
</tr>
<tr>
<td>WLDG 2447</td>
<td>Advanced Gas Metal Arc Welding</td>
<td>4</td>
</tr>
<tr>
<td>WLDG 2451</td>
<td>Advanced Gas Tungsten Arc Welding</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 semester hours</td>
</tr>
</tbody>
</table>
Course Descriptions

Course Numbering and Digital Descriptions

Texas Common Course Numbering System. Following each course prefix identifying the subject (for example, BIOL for biology), a four-digit number appears, which is a standard statewide number adopted by most colleges and universities in Texas. This numbering system is designed to:

- identify courses with comparable content and similar competencies expected upon completion of these courses;
- help students identify which courses to complete at one college to meet specific degree requirements at another college; and
- facilitate the successful transfer of coursework among colleges and universities in Texas.

The TCCNS consists of a uniform set of four-character abbreviations for academic disciplines and four-digit course numbers. The first digit of the number reflects the academic level of the course (1 for freshman, 2 for sophomore) and the second digit reflects the semester-credit hour value of the course. The third and fourth digits represent sequence.

Digital Description. A series of numbers appears in bold, flush right, on the same line as the course number and title. These numbers indicate (a) the number of credit hours, (b) the number of lecture hours, and (c) the number of lab hours for that course, as the following examples indicate:

4:3:2  This course carries four semester credit hours and has three class hours a week of lecture and two lab hours a week.

3:3:0  This course carries three credit hours and meets for three lecture hours a week. It has no lab.

Frequency of Offerings

The frequency of course offerings is given in brackets after each course description. However, the college reserves the right to adjust each semester’s schedule in any manner whatsoever as circumstances warrant.
Some courses are considered Academic (generally transferable toward a bachelor’s degree) and others are considered Technical (not expected to transfer). At the end of each course description, the course type will be listed as Acad (for Academic) or Tech (for Technical).

ACCOUNTING (ACCT)
Division of Technology and Business

ACCT 2401. Principles of Accounting I - Financial. 4:3:2
Accounting concepts and their application in transaction analysis and financial statement preparation; analysis of financial statements; and asset and equity accounting in proprietorships, partnerships, and corporations. Prerequisite: THEA reading and math requirements met. Sophomore standing recommended. [Offered fall semester.] Type: Acad

ACCT 2402. Principles of Accounting II - Managerial. 4:3:2
Introduction to cost behavior, budgeting, responsibility accounting, cost control, and product costing. Prerequisite: Accounting 2401. [Offered spring semester.] Type: Acad

AGRICULTURE (AGRI)
Division of Life Sciences

AGRI 1231. The Agricultural Industry. 2:2:0
Overview of world agriculture, nature of the industry, resource conservation, and the American agricultural system, including production, distribution, and marketing. Prerequisite: None. [Offered fall semester.] Type: Acad

AGRI 1309. Computers in Agriculture. 3:3:0
Use of computers in agricultural applications. Introduction to programming languages, word processing, electronic spreadsheets and agricultural software. Prerequisite: None. Type: Acad

AGRI 1315. Horticulture. 3:2:2
Growth, cultivation, and management of fruit and vegetable crops, including temperature requirements, site selection, planting, fertilization, varieties, harvesting and pest management and basic care of ornamental plants. Study of techniques used in propagating fruits, vegetables, and ornamentals, including cuttage, layerage, budding, grafting, and seeding. Prerequisite: THEA reading and writing requirements met or concurrent enrollment. [Offered fall semester.]
Type: Acad

AGRI 1319. Introduction to Animal Science. 3:2:2
Scientific animal agriculture. Importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of beef cattle, swine, sheep, goats, and horses. Prerequisite: None. [Offered fall semester.] Type: Acad

AGRI 1325. Marketing Agricultural Products. 3:3:0
Principles, practices, and problems involved in the marketing of agricultural commodities. Marketing system as it applies to the farmer, and methods of reducing costs and of improving efficiency of agricultural marketing. Prerequisite: THEA reading and writing requirements met. [Offered spring semester.] Type: Acad

AGRI 1329. Principles of Food Science. 3:3:0
Biological and scientific aspects of modern industrial food supply systems. Prerequisite: None. Type: Acad

AGRI 1407. Agronomy. 4:3:2
A study of the growth, cultivation and management of common field and forage crops including nutrients requirements, soil and water management, planting, fertilizing, harvesting and pest management. Prerequisite: None. Type: Acad

AGRI 2301. Agricultural Power Units. 3:2:2
Fundamentals of internal combustion engines: gasoline, diesel, and liquefied petroleum. Maintenance and adjustments of the electrical, ignition, fuel, lubricating, and cooling systems of agricultural power machinery. Prerequisite: None. [Offered spring semester.] Type: Acad

AGRI 2303. Agricultural Construction I. 3:2:2
Selection, use, and maintenance of hand and power tools; arc and oxyacetylene welding; and construction materials and principles. Prerequisite: None. [Offered fall semester.] Type: Acad

AGRI 2313. Plant Protection - Entomology. 3:2:2
The principal orders of insects, collection and identification, anatomy and physiology of insects related to control methods, and economic importance of common insect pests and control methods. Prerequisite: THEA reading and writing requirements met or concurrent enrollment. [Offered fall semester.] Type: Acad

AGRI 2317. Introduction to Agricultural Economics. 3:3:0
Introduction to agricultural economics including characteristics of our economic
system and basic economic concepts, production economics, agriculture prices, marketing, and financing. Prerequisite: THEA reading and writing requirements met. [Offered spring semester.] Type: Acad

AGRI 2321. Livestock Evaluation I. (formerly Livestock Judging) 3:3:0
Comparative evaluation of breeding and marketing animals. Emphasis on evaluating, selecting, and grading for breeding and performance of beef cattle, swine, sheep and horses. Ability to present accurate, clear, and concise oral reasons is stressed. Practice in judging and in fitting and showing techniques. Prerequisite: None. [Offered fall semester.] Type: Acad

AGRI 2330. Wildlife Conservation and Management. 3:3:0
An introductory course which covers the study of practices and ecological principles used in the conservation and management of wildlife resources, with special reference to the wildlife resources of Texas. Topics of study include heritage and history of wildlife management theory and practices which promote wildlife habitats. Prerequisite: THEA reading and writing requirements met. [Offered spring semester.] Type: Acad

ANTHROPOLOGY (ANTH)
Division of Social and Behavioral Science

ANTH 2346 (or HUMA 2323). General Anthropology. 3:3:0
Study of human beings, their antecedents and related primates, and their cultural behavior and institutions. Introduces the major subfields: physical and cultural anthropology, archaeology, linguistics, and ethnology. Cross listed as HUMA 2323. Prerequisites: Minimum passing scores on THEA reading and writing tests. Type: Acad

ANTH 2351. Cultural Anthropology. (Core 080) 3:3:0
An introduction to the study of cultural and social anthropology, why cultural activities or beliefs come into existence, why they change or disappear, and why they persist. The course focuses on ways in which culture is influenced by forces such as population, resources, technology, ideology, and social organization. Prerequisite: THEA reading and writing requirements met. Type: Acad

ART (ARTS)
Division of Communications and Fine Arts

ARTS 1303. Art History Survey I. (Core 050) 3:3:0
Western art from prehistoric times through the thirteenth century. Prerequisite:
THEA reading and writing requirements met. Type: Acad

**ARTS 1304. Art History Survey II. (Core 050)** 3:3:0  
Western art from the beginning of the fourteenth century to the present. Prerequisite: THEA reading and writing requirements met. ARTS 1303 recommended. Type: Acad

**ARTS 1311. Design I. (Core 050)** 3:2:4  
Theory and practice of two-dimensional organization. Examine the principles and elements of design along with color theory to enhance aesthetic judgment and use these principles and elements to solve visual problems (for art majors and non-art majors). Prerequisite: None. [Offered fall and spring semester.] Type: Acad

**ARTS 1312. Design II.** 3:2:4  
Theory and practice of three-dimensional organization including the fundamentals of line, color, texture, mass, and space arrangement. Prerequisite: ARTS 1311. [Offered spring semester.] Type: Acad

**ARTS 1313. Foundations of Art. (Core 050)** 3:2:2  
Theory and practice of two- and three-dimensional organization related to design principles. Includes study of historical and current art trends, directed toward an intelligent appreciation of visual arts. Prerequisite: THEA reading requirement met. [Offered fall, spring and summer I semesters.] Type: Acad

**ARTS 1316. Drawing I.** 3:2:4  
Beginning course investigating a variety of media, techniques, and subjects. Explores perceptual and descriptive possibilities with consideration of drawing as a developmental process as well as an end in itself. Prerequisite: None. [Offered fall and spring semester.] Type: Acad

**ARTS 1317. Drawing II.** 3:2:4  
Continuation of ARTS 1316. Emphasis on figure study including anatomy, gesture, and figure composition. Prerequisite: ARTS 1316. [Offered spring semester.] Type: Acad

**ARTS 2316. Painting I.** 3:2:4  
Beginning painting course. Emphasis is on basic painting techniques, color mixing, and composition. Individual expression is encouraged. Students may use oil and/or acrylic paints. Individual and group criticism is encouraged. Prerequisites: ARTS 1316 and ARTS 1311. [Offered spring and summer I semesters.] Type: Acad
ARTS 2317. Painting II.  
Continuation of ARTS 2316. Further skill is developed in the use of line, mass, and color in creative expression with some emphasis on painting the human figure. Individual techniques are encouraged. Three outside work hours a week. Prerequisite: ARTS 2316. [Offered spring semester.] Type: Acad

ARTS 2326. Sculpture I.  
Exploration of basic techniques and aesthetics of three-dimensional forms in various media (plaster, plastic, wood, metal), carving, forming, and casting, including additive and subtractive techniques. Three outside work hours a week. Prerequisites: ARTS 1312 and ARTS 1317. [Offered spring semester.] Type: Acad

ARTS 2346. Ceramics I.  
Basic techniques in hand building: pinch, coil, and slab. Glaze formulation is explored as well as stacking and firing a kiln. The use of the potter's wheel is introduced. Three outside work hours a week. Prerequisites: ARTS 1312 and ARTS 1317. [Offered fall and spring semesters.] Type: Acad

AUTOMOTIVE TECHNOLOGY (AUMT)  
Division of Vocational Science

AUMT 1249. Automotive Electronics Theory.  
A course in automotive technology including electrical principles, semiconductor and integrated circuits, digital fundamentals, microcomputer systems, and electrical test equipment. Prerequisites: Concurrent enrollment in the WCJC Automotive Technology program. [Offered spring semester.] Type: Tech

An introduction to the automobile industry including automotive history, safety practices, shop equipment and tools, vehicle subsystems, service publications, fasteners, professional responsibilities, and automobile maintenance. Prerequisite: THEA reading requirement met. [Offered fall and spring semesters.] Type: Tech

AUMT 1407. Automotive Electrical Systems.  
An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, and repair of batteries, charging and starting systems, and electrical accessories. Emphasis on electrical schematic diagrams and service manuals. Prerequisites: Automotive Technology major. Credit for or concurrent enrollment in AUMT 1301. [Offered fall semester.] Type: Tech

AUMT 1410. Automotive Brake Systems.  
Operation and repair of drum/disc type brake systems. Emphasis on safe use of modern equipment. Topics include brake theory, diagnosis, and repair of power,
manual, anti-lock brake systems, and parking brakes. May be taught with
manufacturer specific instructions. Prerequisites: Automotive Technology
major. Credit for or concurrent enrollment in AUMT 1301. [Offered spring
semester.] Type: Tech

AUMT 1416. Automotive Suspension and Steering Systems. 4:3:4
A study of automotive suspension and steering systems including tire and wheel
problem diagnosis, component repair, and alignment procedures. May be taught
manufacturer specific. Prerequisites: Automotive Technology major. Credit for or
concurrent enrollment in AUMT 1301. [Offered summer I semester.] Type: Tech

AUMT 1419. Automotive Engine Repair. 4:3:4
Fundamentals of engine operation, diagnosis and repair including lubrication
systems and cooling systems. Emphasis on overhaul of selected engines,
identification and inspection, measurements, and disassembly, repair and
reassembly of the engine. Prerequisites: Automotive Technology major. Credit
for or concurrent enrollment in AUMT 1301. [Offered fall semester.] Type: Tech

AUMT 1445. Automotive Heating and Air Conditioning. 4:3:4
Theory of automotive air conditioning and heating systems. Emphasis on the
basic refrigeration cycle and diagnosis and repair of system malfunctions.
Covers EPA guidelines for refrigerant handling and new refrigerant
replacements. Prerequisites: Automotive Technology major. Credit for or
concurrent enrollment in AUMT 1301. [Offered summer I semester.] Type: Tech

AUMT 2201. Automotive Management. 2:2:0
Instruction in human relations, customer relations, and customer satisfaction.
Emphasis on management techniques and building relationships between the
service department and the customer. Prerequisites: Concurrent enrollment in
the WCJC Automotive Technology Program or Certificate in Automotive
Technology. [Offered spring semester.] Type: Tech

AUMT 2380. Cooperative Education-Automotive Technician. 3:1:20
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. Prerequisites: Certificate in Automotive Technology.
[Offered as demand requires.] Type: Tech

AUMT 2413. Automotive Drive Train and Axles. 4:3:4
A study of automotive clutches, clutch operation devices, manual transmissions
-transaxles, and differentials with emphasis on the diagnosis and repair of transmissions/transaxles and drive lines. May be taught with manufacturer specific instructions. Prerequisites: Automotive Technology major. Credit for or concurrent enrollment in AUMT 1301. [Offered spring semester.] Type: Tech

AUMT 2417. Automotive Engine Performance Analysis I. 4:3:4
Theory, operation, diagnosis, and repair of basic engine dynamics, ignition systems, and fuel delivery systems. Use of basic engine performance diagnostic equipment. May be taught with manufacturer specific instructions. Prerequisites: Automotive Technology major. Credit for or concurrent enrollment in AUMT 1301. [Offered fall semester.] Type: Tech

AUMT 2425. Automotive Automatic Transmissions and Transaxles. 4:3:4
A study of the operation, hydraulic principles, and related circuits of modern automatic transmissions and automatic transaxles. Diagnosis, disassembly, and assembly procedures with emphasis on the use of special tools and proper repair techniques. Prerequisites: Automotive Technology major. Credit for or concurrent enrollment in AUMT 1301. [Offered spring semester.] Type: Tech

AUMT 2434. Automotive Engine Performance Analysis II. 4:3:4
A study of diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems; and proper use of advanced engine performance diagnostic equipment. May be taught manufacturer specific. Prerequisites: Automotive Technology major. Credit for or concurrent enrollment in AUMT 1301. [Offered spring semester.] Type: Tech

AUMT 2437. Automotive Electronics (advanced). 4:3:4
Topics address electrical principles, semiconductor and integrated circuits, digital fundamentals, microcomputer systems, and electrical test equipment as applied to automotive technology. Prerequisites: Automotive Technology Certificate. [Offered fall semester.] Type: Tech

BASIC PEACE OFFICER CERTIFICATE COURSES (CJLE)
Public Safety Training
Division of Vocational Science

CJLE 1506. Basic Peace Officer I. 5:5:5
Introduction to fitness and wellness, history of policing, professionalism and ethics, United States Constitution and Bill of Rights, Criminal Justice system, Texas Penal Code, Texas Code of Criminal Procedure, civil process, and stress management. Prerequisite: Must be completed in sequence with Basic Peace Officer II, III, and IV to constitute the TCLEOSE-approved Basic Peace Officer
CJLE 1512. Basic Peace Officer II. (Capstone Course) 5:5:5
Basic preparation for a new peace officer. Covers field note taking, report writing, “use of force” law and concepts, problem solving, multiculturalism, professional policing approaches, patrol procedures, victims of crime, family violence, MHMR, crowd management, HAZMAT, and criminal investigation. Prerequisites: Must be completed in sequence with Basic Police Officer I, III, and IV to constitute the TCLEOSE-approved Basic Peace Officer Academy. Type: Tech

CJLE 1518. Basic Peace Officer III. (Capstone Course) 5:5:5
Basic preparation for a new peace officer. Covers laws pertaining to controlled substances, crowd management, personal property, and crime scene investigation. Prerequisite: Must be completed in sequence with Basic Peace Officer I, II and IV to constitute the TCLEOSE-approved Basic Peace Officer Academy. Type: Tech

CJLE 1524. Basic Peace Officer IV. (Capstone Course) 5:5:5
Basic preparation for a new peace officer. Covers laws directly related to police field work. Topics include Texas Transportation Code, intoxicated driver, Texas Penal Code, elements of crimes, Texas Family Code, Texas Alcoholic Beverage Code, and civil liability. Requires the demonstration and practice of the skills of a police officer including patrol, driving, traffic stop skills, use of force, mechanics of arrest, firearm safety, and emergency medical care. Also includes 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. Prerequisite: Must be completed in sequence with Basic Peace Officer I, II and III to constitute the TCLEOSE-approved Basic Peace Officer Academy. Type: Tech

BIOLOGY (BIOL)
Division of Life Sciences

BIOL 1322. Nutrition. 3:3:0
Designed to develop an understanding of metabolism, nutrition, diet analysis, and diet therapy for students of nursing and other areas of science. Prerequisite: BIOL 1406 or BIOL 2401 with a grade of “C” or better; concurrent enrollment or completion of BIOL 2402 strongly suggested. [Offered fall and spring semesters.] Type: Acad
BIOL 1406. General Biology I. (Core 030) 4:3:2
Topics emphasized will include the chemical basis of life; cell organization, function, and reproduction; energy pathways; and genetics and molecular biology. Prerequisites: THEA reading and writing requirements met. [Offered fall and spring semesters] Type: Acad

BIOL 1407. General Biology II. (Core 030) 4:3:2
Topics emphasized will include evolution, biological diversity, general ecology, and the structure and function of organisms. Prerequisite: BIOL 1406; or a semester of college chemistry with a grade of C or better. [Offered fall and spring semesters] Type: Acad

BIOL 2106. Environmental Biology Lab. (Core 030) 1:0:2
Study of human interaction with and the effect upon plant and animal communities. Includes a study of the management of natural resources, the problems caused by human population and pollution, the balance of ecosystems, and mankind’s role in the environment. Field trips required. Prerequisite enrollment in BIOL 2306 or credit for BIOL 2306. Not for major credit. Type: Acad

BIOL 2306. Environmental Biology. (Core 030) 3:3:0
Study of human interaction with and the effect upon plant and animal communities. Includes a study of the management of natural resources, the problems caused by human population and pollution, the balance of ecosystems, and mankind’s role in the environment. Field trips required. Prerequisite: THEA reading and writing requirements met. Not for major credit. Type: Acad

BIOL 2401. Human Anatomy and Physiology I. (Core 030) 4:3:2
Cellular organization and the skeletal, muscular, nervous, and endocrine systems. Prerequisite: THEA reading and writing requirements met. [Offered fall, spring, and summer I, semesters.] Type: Acad

BIOL 2402. Human Anatomy and Physiology II. (Core 030) 4:3:2
Continuation of BIOL 2401. Covers the circulatory, excretory, reproductive, respiratory, and digestive systems. Prerequisites: BIOL 2401 with a grade of C or better and THEA reading and writing requirements met. [Offered fall, spring, and summer I semesters.] Type: Acad

BIOL 2420. Microbiology. (Core 030) 4:3:2
Fundamental course for students in nursing, pharmacy, and allied health programs; stresses introductory laboratory procedures and theoretical concepts, with particular emphasis on microorganisms that cause disease. Prerequisites: THEA reading and writing requirements met. BIOL 1406, BIOL 1407, or BIOL
BUSINESS (BUSI)
Division of Technology and Business

BUSI 1301. Business Principles. 3:3:0
Introduction to the role of business in modern society. Includes overview of business operations, analysis of the specialized fields within the business organization, and development of a business vocabulary. Prerequisite: THEA reading requirement met. [Offered fall and spring semesters.] Type: Acad

BUSI 2301. Business Law. 3:3:0
Principles of law which form the legal framework for business activity. Prerequisite: THEA reading and writing requirements met. [Offered fall semester.] Type: Acad

BUSI 2304. Business Report Writing & Correspondence. 3:3:0
Theory and applications for technical reports and correspondence in business. Prerequisites: THEA reading and writing requirements met and POFT 1301 or ENGL 1301. [Offered spring semester.] Type: Acad (Capstone Course)

CHEMISTRY (CHEM)
Division of Math and Physical Science

CHEM 1405. Introductory Chemistry I. (Core 030) 4:3:2
History of chemistry; the metric system, the structure of atoms and molecules; weight and volume calculations from chemical equations; certain laws governing chemical and physical changes in matter; the chemical and physical properties of a select group of elements and compounds; the periodic table; and properties of gases. Prerequisite: THEA reading requirement met or concurrent enrollment in READ 0307. [Offered fall and spring semesters; offered summer I semester at Sugar Land.] Type: Acad

CHEM 1407. Introductory Chemistry II. (Core 030) 4:3:2
Continuation of CHEM 1405. Includes the following topics: solutions, acids, bases, and ionic equations; chemical equilibrium; electrochemistry; ionic equilibria. Introduction to organic chemistry including petroleum, chemicals in the home, plastics, vitamins and drugs, fertilizers. Introduction to nuclear chemistry. Prerequisite: CHEM 1405 or 1411. [Offered when demand requires.] Type: Acad
CHEM 1411. General Chemistry I (w/lab). (Core 030) 4:3:4
Topics include fundamental laws and their everyday application; chemical and physical properties; uses of common elements and compounds; structure of matter; properties of gases and solutions; the periodic table and valence; ionization, oxidation and reduction, electrolysis, and the modern theory of acids and bases. Prerequisites: High-school chemistry or CHEM 1405 or college GPA of 3.3. Satisfactory completion of the THEA reading and math requirements. [Offered fall, spring and summer I semesters.] Type: Acad

CHEM 1412. General Chemistry II (w/lab). (Core 030) 4:3:4
Continuation of CHEM 1411. Topics include oxidation, reduction, and electrochemistry; molecular and ionic equilibria; introduction to chemical kinetics and chemical thermodynamics; introduction to organic chemistry, radioactivity and atomic energy; and qualitative analysis of common ions. Prerequisite: CHEM 1411. [Offered spring and summer II semesters.] Type: Acad

CHEM 2423. Organic Chemistry I. (Core 030) 4:3:4
Survey of organic chemistry with emphasis on present-day theories and chemical principles that relate to everyday phenomena. Topics include hydrocarbons, benzene, stereochemistry, spectroscopy, and halogen compounds. Prerequisite: CHEM 1412. [Offered fall semester at Wharton.] Type: Acad

CHEM 2425. Organic Chemistry II. (Core 030) 4:3:4
Continuation of CHEM 2423. Topics include compounds containing unlike substituents, carbohydrates, derivatives of hydrocarbons, diazo compounds, phenols, quinones, heterocyclic compounds, proteins, carbonyl compounds, amines, NMR, and spectroscopy. Prerequisite: CHEM 2423. [Offered spring semester at Wharton.] Type: Acad

COMPUTER SCIENCE
Division of Technology and Business

BCIS 1305. Business Computer Applications. 3:2:2
Computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Prerequisite: THEA Math and Reading requirement met. Type: Acad

COSC 1300. Introduction to Computing. 3:2:2
Study of basic hardware, software, operating systems, and current application in various segments of society. Current issues such as the effect of computers on
society and the history and use of computers are also studied. Labs may include, but are not limited to, introduction to operating systems, the Internet, word processing, spreadsheets, databases, and programming concepts with emphasis on critical thinking/problem solving. Prerequisite: Strongly recommend THEA Math and Reading requirements met or concurrent enrollment in developmental courses. Type: Acad

COSC 1436. Programming Fundamentals I  4:3:2
Introduces the fundamental concepts of structured programming using C++ Java. in the Visual Studio .NET environment. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. Prerequisites: THEA Math and Reading. [Offered Fall semester] Type: Acad

COSC 1437. Programming Fundamentals II.  4:3:2
Review of control structures and data types with emphasis on structured data types using C++ in the Visual Studio .NET environment Java. 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. Prereq: COSC 1436. [Offered Spring semester] Type: Acad

COSC 2425. Computer Organization and Machine Language.  4:3:2
Basic computer organization; machine cycle, digital representation of data and instructions; assembly language programming, assembler, loader, macros, subroutines, and program linkages. Prerequisite: COSC 1436 [Offered Spring semester] Type: Acad

COSC 2436. Programming Fundamentals III.  4:3:2
Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms using C++ in the Visual Studio .NET environment Java. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. Prerequisite: COSC 1437. [Offered Fall semester] Type: Acad

CSIR 2351. Fiber Optic Communication System Installation & Repair 3:2:2
Focus on installation and repair of fiber optic communication systems including networks and peripherals. Topics include fiber optic technology, state-of-the-art networking systems, installation/repair of fiber optic systems, and testing equipment. Prepares students for the Electronics Technicians Association Fiber Optics Installer Certification exam. Prerequisite: None. [Offered Fall and Spring
IMED 1316. Web Design I. 3:2:2
Instruction in web page design and related graphic design issues including markup languages, web sites, and browsers. Students will design, create, and publish web pages and sites. Prerequisite: None. [Offered Spring semester] Type: Tech

INEW 2330. Comprehensive Software Project: Planning and Design. 3:2:2
A comprehensive application of skills learned in previous courses in a simulated workplace. Covers the development, testing, and documenting of a completed software and/or hardware solution. Prerequisite: Completion of 30 computer credit hours in the degree. [Offered Spring semester] Type: Tech (Capstone Course)

INEW 2334. Advanced Web Programming. 3:2:2
Programming for Web authorizing. Includes industry-standard languages and data stores. Prerequisite: COSC 1437 and ITSE 2302. [Offered Spring semester] Type: Tech

ITCC 1401. CISCO Exploration – Network Fundamentals. 4:3:3
A course introducing the architecture, structure, functions, components, and models of the internet. Describes the use of OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. Covers the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. Build simple LAN topologies by applying basic principles of cabling; perform basic configurations of network devices, including routers and switches; and implementing IP addressing schemes. Prepares students for the Cisco Certified Network Associate certification exam. Prerequisites: ITSC 1325 and ITSC 1305 recommended. [Generally offered Fall and Spring semester.] Type: Tech

ITCC 1404. CISCO Exploration 2 – Routing Protocols and Concepts. 4:3:3
This course describes the architecture, components, and operations of routers and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols of RIPv1, RIPv2, EIGRP, and OSPF. Students also recognize and correct common routing problems and model and analyze routing processes. Prepares students for the Cisco Certified Network Associate certification exam. Prerequisite: Grade of C or higher in ITCC 1401. [Generally offered Spring and Summer semesters] Type: Tech

ITCC 2408. CISCO Exploration 3 – LAN Switching and Wireless 4:3:3
This course presents an in-depth view of switch operations in a LAN environment for small and large networks. Students will analyze, configure,
verify, and troubleshoot VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Campus network design and layer-3 switching concepts are introduced. Prepares students for the Cisco Certified Network Associate certification exam. Prerequisite: Grade of C or higher in ITCC 1401. [Generally offered Summer and Fall semesters] Type: Tech

ITCC 2410. CISCO Exploration 4 – Accessing the WAN 4:3:3
This course explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Describes user access technologies and devices and implementation and configuration of Point-to-Point Protocol (PPP), Point-to-Point Protocol over Ethernet (PPPoE), DSL, and Frame Relay. WAN security concepts, tunneling, and VPN basics are introduced. Discuss the special network services required by converged application and an introduction to quality of service (QoS). Prepares students for the Cisco Certified Network Associate certification exam. Prerequisite: Grade of C or higher in ITCC 1404. [Generally offered Fall semester.] Type: Tech

ITNW 1325. Fundamentals of Networking. 3:2:2
Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. Prerequisite: None. [Offered Spring semester] Type: Tech

ITNW 1345. Implementing Network Directory Services. 3:2:2
Provides students with the knowledge and skills necessary to install, configure, and administer Network Directory service. Students will understand the logical and physical structure of directory services, configure the Domain Name System (DNS) server service to support directory services; create and administer user accounts and group resources; delegate and administer control of Directory objects; manage group policies, and maintain and restore the directory services database using Microsoft Windows Server Active Directory. Prerequisite: ITNW 2305. [Offered Fall semester] Type: Tech

ITNW 2305. Network Administration. 3:2:2
Topics include network components, user accounts and groups, network file systems, file system security, and network printing. Students will describe the components of a local area network, create and administer user accounts and groups; plan and set up network file systems; create effective file system security; and implement and administer network printing using Microsoft Windows Server. Prerequisite: ITSC 1305 recommended. [Offered Spring semester] Type: Tech.
ITNW 2311. Implementing Mail Servers. 3:2:2
An in-depth study of electronic message using mail servers. Prerequisite: ITNW 2305. [Offered Spring semester] Type: Tech

ITNW 2335. Network Troubleshooting and Support. 3:2:2
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. Students will complete a Capstone Project in this course. Prerequisite: ITNW 2305 and completion of 30 credit hours in the degree program. [Offered Spring semester] Type: Tech (Capstone Course)

ITNW 2352. Administering SQL Server. 3:2:2
Topics include installation, configuration, administration, and troubleshooting SQL servers using Microsoft SQL Server. Students will describe SQL Server architecture, plan for an installation, install and configure SQL server, manage files and databases, configure login security, implement permissions, backup and restore databases, and monitor performance. Prerequisite: ITNW 2305 [Offered Spring semester] Type: Tech

ITSC 1301. Introduction to Computers. 3:2:2
Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Prerequisite: THEA Math and Reading requirement met. [Offered as necessary only.] Type: Tech

ITSC 1305. Introduction to PC Operating Systems 3:2:2
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 using Microsoft client operating systems. Prerequisite: None. [Offered Fall semester] Type: Tech

ITSC 1307. Unix Operating System I. 3:2:2
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 using RedHat Linux. Prerequisite: COSC 1300 recommended. [Offered Spring Semester] Type: Tech

ITSC 1325. Personal Computer Hardware. 3:2:2
A study of current personal computer hardware including personal computer assembly and upgrading, setup and configuration, and troubleshooting. Students will build and configure personal computers. Prerequisite: None. [Offered Fall semester] Type: Tech
ITSC 1358. Unix System Administration I. 3:2:2
Basic Unix workstation administration. Includes installing a stand-alone system, adding users, backing up and restoring file systems, and adding new printer support. Emphasis on the procedures needed to perform system administration tasks. Introduces the concept of the system and disk management. Uses RedHat Linux. Prerequisite: ITSC 1307. [Offered Fall semester] Type: Tech

ITSC 2339. Personal Computer Help Desk. 3:2:2
Diagnosis and solution of user hardware and software related problems with on-the-job projects. Topics include establishing rapport with users in problem-solving situations; analyzing user problems and leading them through solutions; maintaining problem logs; managing projects; and formulating problem-solving methodologies. Prerequisites: ITSC 1305 and completion of 15 credit hours in the certificate. [Offered Spring semester] Type: Tech (Capstone Course)

ITSE 1311. Beginning Web Programming. 3:2:2
Syllabus development in web page programming including mark-up and scripting languages. Prerequisite: None. [Offered Spring semester] Type: Tech.

ITSE 1329. Programming Logic and Design. 3:2:2
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. Prerequisite: None. [Offered Fall semester] Type: Tech

ITSE 1350. System Analysis and Design. 3:2:2
Introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. Prerequisite: ITSE 1329. [Offered Fall semester] Type: Tech

ITSE 2302. Intermediate Web Programming. 3:2:2
Techniques for web development. Create and use client-side and server-side scripts to design and implement dynamic web sites. Prerequisite ITSE 1311 or department approval. [Offered Fall semester] Type: Tech

ITSE 2309. Introduction to Database Programming. 3:2:2
Database development using database programming techniques emphasizing database structures, modeling, and database access. Uses Structured Query Language (SQL) in a Relational Database Management System (RDBMS) to create tables, views, sequences, and constraints. Prerequisites: None. [Offered Fall semester] Type: Tech
ITSE 2321. Object-Oriented Programming. 3:2:2
Introduction to object-oriented programming. Emphasis on the fundamentals of design with classes, including development, testing, implementation, and documentation. Prerequisite: ITSE 1350. [Offered Spring semester] Type: Tech

ITSW 1307. Introduction to Database. 3:2:2
Introduction to database theory and the practical applications of a database. Students will plan, define and design a database; design and generate tables, forms and reports and devise and process queries using Microsoft Access. Prerequisite: None. [Offered Spring semester] Type: Tech

ITSY 1342. Information Technology Security. 3:2:2
Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses. Prerequisite: ITNW 2305. [Offered Fall semester] Type: Tech

COSMETOLOGY (CSME)
Division of Vocational Science

CMSE 1191. Special Topics in Cosmetic Services, General 1:1.5:0
This class is required for all introductory level students. It is designed to develop their professional image by teaching proper salon etiquette, positive attitudes towards co-workers, clients and salon management. The course also teaches professional ethics, time management, power booking, preparing resumes and interviewing skills. Prerequisites: None. Type: Tech

CSME 1401. Orientation to Cosmetology. 4:3:7
An overview of the skills and knowledge necessary for the field of cosmetology. Prerequisite: Nelson-Denny. Type: Tech

CSME 1405. Fundamentals of Cosmetology. 4:3:7
A course in the basic fundamentals of cosmetology. Topics include service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out. Prerequisite: Nelson-Denny. Type: Tech

CSME 1451. Artistry of Hair Theory and Practice. 4:3:7
Instruction in the artistry of hair design. Topics include theory, techniques, and application of hair design. Prerequisite: Nelson-Denny. Type: Tech

CSME 1453. Chemical Reformation and Related Theory. 4:3:7
Presentation of the theory and practice of chemical reformation including terminology, application, and workplace competencies. Prerequisite: Nelson-
Denny. Type: Tech

CSME 1391. Special Topics in Cosmetic Services, General 3:1:6
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 was designed to be repeated multiple times to improve student proficiency. Prerequisite: Nelson-Denny. Type: Tech

CSME 2237. Advanced Techniques. 2:1:7
Mastery of advanced cosmetology techniques including hair designs, professional cosmetology services, and workplace competencies. Prerequisite: Nelson-Denny. Type: Tech

CSME 2343 Salon Development. 3:1:5
Applications of procedures necessary for salon development. Topics include professional ethics and goals, salon operation, and record keeping. Prerequisite: Nelson-Denny. Type: Tech

CSME 2401. The Principals of Hair Color and Theory. 4:3:7
Presentation of the theory, practice, and chemistry of hair color. Topics include terminology, application, and workplace competencies related to hair color. Prerequisite: Nelson-Denny. Type: Tech

CSME 2439. Advanced Hair Design. 4:3:7
Advanced concepts in the theory and practice of hair design. Prerequisite: Nelson-Denny. Type: Tech

CSME 2441. Prep for the State Licensing Exam. 4:1:6
Preparation for the state licensing examination. Prerequisite: Director Approval. Type: Tech

CRIMINAL JUSTICE (CRIJ)
Division of Social and Behavioral Science

CJSA 2288. Internship I. 2:1:6
Provides the preservice law-enforcement student with on-site experience at various levels such as federal, state, and local agencies. Provides field observation and actual work experience in a law-enforcement agency. This is a required course for all students seeking an Associate of Applied Science degree in Criminal Justice. In-service students currently employed as full-time
commissioned peace officers can satisfy degree requirements for the internship
courses under the provisions related to work/life experience. Prerequisites:
Completion of nine hours in academic criminal justice courses and instructor
approval. [Offered Summer I semester.] Type: Tech

**CJSA 2289. Internship II.** 2:1:6
Continuation of CJSA 2288. Prerequisites: Instructor approval and successful
completion of CJSA 2288. [Offered summer II semester.] Type: Tech

**CRIJ 1301. Introduction to Criminal Justice.** 3:3:0
History and philosophy of criminal justice and ethical considerations; definition
of crime; nature and impact of crime; overview of the criminal-justice system;
law enforcement; the court system including prosecution and defense and the
trial process; and corrections. Prerequisites: THEA reading and writing
requirements met. Type: Acad

**CRIJ 1306. Court Systems and Practices** 3:3:0
The judiciary in the criminal-justice system, the structure of the American court
system, prosecution, the right to counsel, pretrial release, grand juries, the
adjudication process, types and rules of evidence, and sentencing. Prerequisites:
THEA reading and writing requirements met. Type: Acad

**CRIJ 1307. Crime in America. (Core 080)** 3:3:0
Historical perspective on American crime, social and public-policy factors
affecting crime, social impact of crime and crime trends, social characteristics of
specific crimes, and prevention of crime. Prerequisites: THEA reading and
writing requirements met. Type: Acad

**CRIJ 1310. Fundamentals of Criminal Law.** 3:3:0
The nature of criminal law including philosophical and historical development,
major definitions and concepts, classification of crime, elements of crimes and
criminal responsibility. The Texas statutes will be used as illustrations.
Prerequisites: THEA reading and writing requirements met. Type: Acad

**CRIJ 2301. Community Resources in Corrections.** 3:3:0
Introduction to the role of the community in corrections. Topics include
community programs for adults and juveniles, administration of community
programs, legal issues, and trends in community treatment. Prerequisites: THEA
reading and writing requirements met. Type: Acad

**CRIJ 2313. Correctional Systems and Practices.** 3:3:0
Corrections in the criminal-justice system, organization of correctional systems,
correctional role, institutional operations, alternative to institutionalization,
treatment and rehabilitation, current and future issues. Prerequisites: THEA
reading and writing requirements met. Type: Acad

**CRIJ 2314. Criminal Investigation.** 3:3:0
Investigative theory, collection and preservation of evidence, sources of information, interview and interrogation, uses of forensic sciences, case and trial preparation. THEA reading and writing requirements met. Type: Acad

**CRIJ 2323. Legal Aspects of Law Enforcement.** 3:3:0
Police authority including responsibilities, constitutional restraints, laws of arrest, search and seizure, police liabilities. Prerequisites: CRIJ 1306 and 1310 recommended. THEA reading and writing requirements met. Type: Acad

**CRIJ 2328. Police Systems and Practices.** 3:3:0
The police profession including organization of law-enforcement systems, police discretion and ethics, police-community interaction, current and future issues. Prerequisites: THEA reading and writing requirements met. Type: Acad

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**DENTAL HYGIENE (DHYG)**
Division of Allied Health

**DHYG 1223 Dental Hygiene Practice** 2:2:0
Emphasis on the laws governing the practice of dentistry and dental hygiene, moral standards, and the ethical standards established by the dental hygiene profession. Practice settings for the dental hygienist, office operations, and preparations for employment. Prerequisites: DHYG 2362, 2201, 1315, and 1235 with grade of C or better. [Offered spring semester.] Type: Tech

**DHYG 1227. Preventive Dental Hygiene Care.** 2:2:0
The dental hygienist in the dental health care system emphasizing the basic concepts of disease prevention and health promotion. Communication and behavior modification skills are utilized to facilitate the role of the dental hygienist. Prerequisites: DHYG 1301, 1311, and 1431 with grade of C or better. [Offered spring semester.] Type: Tech

**DHYG 1235. Pharmacology for the Dental Hygienist.** 2:2:0
Classes of drugs and their uses, actions, interactions, side effects, contraindications, and oral manifestations with emphasis on dental applications. Prerequisites: DHYG 1339, 1304, 1261, 1227, 1319, and 1307 with grade of C or better. [Offered fall semester.] Type: Tech

**DHYG 1261. Clinical Dental Hygiene I.** 2:0:11
A health-related work-based learning experience that enables the student to
apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisites: DHYG 1301, 1311, and 1431 with a grade of C or better. [Offered spring semester.] Type: Tech

DHYG 1271. Service-Learning for Local Need. 2:1:2
An advanced level course. A structured learning experience that combines community service with explicit academic learning objectives, preparation, and reflection. Further development of clinical skills, interpersonal skills, and leadership while facilitating a sense of social responsibility and citizenship skills. Impacts academic learning by demonstrating problem analysis, critical thinking, and cognitive development as well as benefiting the community. Prerequisites: DHYG 2362, 2201, 1315, and 1235 with grade of C or better. [Offered spring semester] Type: Tech

DHYG 1301. Orofacial Anatomy, Histology & Embryology. 3:3:1
Histology and embryology of oral tissues, gross anatomy of the head and neck, tooth morphology, and individual tooth identification. Prerequisites: Open only to students admitted to Dental Hygiene program. [Offered fall semester.] Type: Tech

DHYG 1304. Dental Radiology. 3:2:3
Radiation physics, hygiene, and safety theories. Emphasis on the fundamentals of oral radiographic techniques and interpretation of radiographs. Includes exposure of intra-oral radiographs, quality assurance, radiographic interpretation, patient selection criteria, and other ancillary radiographic techniques. Prerequisites: DHYG 1301, 1311, and 1431 with grade of C or better. [Offered spring semester.] Type: Tech

DHYG 1307. General & Dental Nutrition. 3:3:0
General nutrition and nutritional biochemistry with emphasis on the effects of nutrition, dental health, diet, and application of counseling strategies. Prerequisites: DHYG 1301, 1311, and 1431 with grade of C or better. [Offered spring semester] Type: Tech

DHYG 1311. Periodontology. 3:3:0
Normal and diseased periodontium including the structural, functional, and environmental factors. Emphasis on etiology, pathology, treatment modalities, and therapeutic and preventive periodontics. Prerequisites: Open only to students admitted to Dental Hygiene program. [Offered fall semester.] Type: Tech

DHYG 1315. Community Dentistry. 3:3:1
Principles and concepts of community public health and dental health education emphasizing community assessment, educational planning, implementation, and
evaluation including methods and materials used in teaching dental health education in various community settings. Prerequisites: DHYG 1339, 1304, 1261, 1227, 1319, and 1307 with grade of C or better. [Offered fall semester.] Type: Tech

DHYG 1319. Dental Materials. 3:2:2
Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry. Prerequisites: DHYG 1339, 1304, 1261, 1227, and 1307 with grade of C or better. [Offered summer I.] Type: Tech

DHYG 1339. General and Oral Pathology. 3:3:0
Disturbances in human body development, diseases of the body, and disease prevention measures with emphasis on the oral cavity and associated structures. Prerequisites: DHYG 1301, 1311, and 1431 with grade of C or better. [Offered spring semester.] Type: Tech

DHYG 1431. Preclinical Dental Hygiene. 4:2:6
Foundational knowledge for performing clinical skills on patients with emphasis on procedures and rationale for performing dental hygiene care. Prerequisites: Open only to students admitted to Dental Hygiene program. [Offered fall semester.] Type: Tech

DHYG 2201. Contemporary Dental Hygiene Care I. 2:2:0
Dental hygiene care for the medically or dentally compromised patient including supplemental instrumentation techniques. Prerequisites: DHYG 1339, 1304, 1261, 1227, 1307, and 1319 with grade of C or better. [Offered fall semester.] Type: Tech

DHYG 2231. Contemporary Dental Hygiene Care II. 2:2:0
A continuation of Contemporary Dental Hygiene Care I. Dental hygiene care for the medically or dentally compromised patient including advanced instrumentation techniques. Prerequisites: DHYG 2362, 2201, 1315, and 1235 with grade of C or better. [Offered spring semester.] Type: Tech

DHYG 2362. Clinical Dental Hygiene II. 3:0:14
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisites: DHYG 1339, 1304, 1261, 1319, 1227, and 1307 with grade of C or better. [Offered fall semester.] Type: Tech

DHYG 2363. Clinical Dental Hygiene III. 3:0:14
A health-related work-based learning experience that enables the student to
apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisites: DHYG 2362, 2201, 1315, and 1235 with a grade of C or better [Offered spring semester.] Type: Tech

DRAMA (DRAM)
Division of Communications and Fine Arts

DRAM 1120. Rehearsal and Performance. 1:0:9
A laboratory course for the production of plays. May be repeated for a total of four semester hours. Prerequisite: None. [Offered fall and spring semesters.] Type: Acad

DRAM 1162 (or MUSI 1159). Musical Theatre. 1:0:3
Study of and practical experience in the integration of music, acting, and staging through the production of a full-length musical theater presentation. Course serves as an opera workshop. May be counted as Music or Drama but not both. May be repeated for a total of two semester hours. Prerequisite: None. [Offered periodically.] Type: Acad

DRAM 1310. Introduction to Theatre. (Core 050) 3:3:0
Introduction to the fundamentals of dramatic literature, acting, technical production, design, theater management, and directing. Designed to benefit all students in appreciating and understanding the dramatic art. Prerequisite: THEA reading and writing requirements met. [Offered at fall and spring semesters.] Type: Acad

DRAM 1322. Stage Movement. 3:3:0
A study of rhythmic form, stage movement, and basic postural alignment techniques to increase the range, flexibility, and strength of the actor’s body. Prerequisite: None. Type: Acad

DRAM 1330. Stagecraft I. 3:0:6
Introduction to the aspects of play production including lighting, make-up, sound, costuming, stage construction and scene painting. Prerequisite: None. [Offered Fall Semester.] Type: Acad

DRAM 1342 Introduction to Costume. 3:2:3
Principals and techniques of costume design and construction for theatrical productions. Prerequisites: DRAM 1310 or concurrent enrollment DRAM 1310 recommended. Type: Acad

DRAM 1351. Acting I. 3:3:0
Development of Basic skills and techniques of acting including increased
sensory awareness, ensemble performing, character analysis, and script analysis. Emphasis on the mechanics of voice, body, emotion, and analysis as tools for the actor. Prerequisite: THEA reading and writing requirements met. Type: Acad

DRAM 1352. Acting II. 3:3:0
Continuation of DRAM 1351; emphasis on intermediate exercises in the development of characterization. Development of character through study of theory, styles and methods of acting. Students are required to participate in a series of acting exercises and performances. Prerequisites: THEA reading and writing requirements met and DRAM 1351 or consent of instructor. [Offered periodically] Type: Acad

DRAM 2331. Stagecraft II. 3:0:6
Continuation of aspects of play production including lighting, make-up, sound, costuming, stage construction, and scene painting. Prerequisite: None. DRAM 1330 recommended. [Offered spring semester.] Type: Acad

DRAM 2336 (or SPCH 1342). Voice and Articulation. 3:3:0
Application of the performer’s use of the voice as a creative instrument of effective communication. Encourages an awareness of the need for vocal proficiency and employs techniques designed to improve the performer’s speaking ability. The course may be counted as Drama or Speech but not both. Prerequisite: THEA reading and writing requirements met. [Offered as demand requires.] Type: Acad

DRAM 2351. Acting III. 3:3:0
A detailed, practical study of acting techniques and characterization. Extensive scene work with student and instructor critique. Emphasis on audition technique. Prerequisites: DRAM 1351 or consent of instructor. [Offered periodically.] Type: Acad

DRAM 2366. The Development of the Motion Picture. (Core 050) 3:3:0
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. Prerequisite: THEA Reading and Writing requirements met. [Offered spring semester] Type: Acad

EARLY CHILDHOOD DEVELOPMENT
Division of Technology and Business

CDEC 1313. Curriculum Resources for Early Childhood Program. 3:3:0
A study of the fundamentals of curriculum design and implementation in
developmentally appropriate programs for children. Prerequisite: None. Type: Tech

CDEC 1319. Child Guidance. 3:3:0
An exploration of guidance strategies for promoting pro-social behaviors with individual and groups of children. Emphasis on positive guidance principles and techniques, family involvement and cultural influences. Practical application through direct participation with children. Prerequisite: None. Type: Tech

CDEC 1321. The Infant and Toddler. 3:3:0
A study of appropriate infant and toddler (birth to 3 years) programs, including an overview of development, quality care giving routines, appropriate environments, materials and activities, and teaching/guidance techniques. (A CDEC elective for the AAS degree) Prerequisite: None. Type: Tech

CDEC 1323. Observation and Assessment. 3:3:0
A study of observation skills, assessment techniques, and documentation of children’s development. A CDEC elective for the AAS degree. Prerequisite: None. Type: Tech

CDEC 1356. Emergent Literacy for Early Childhood. 3:3:0
An exploration of principles, methods, and materials for teaching young children language and literacy through a play-based, integrated curriculum. Prerequisite: CDEC 1313. Type: Tech

CDEC 1358. Creative Arts for Early Childhood. 3:3:0
An exploration of principles, methods, and materials for teaching children music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking. Prerequisite: None. Type: Tech

CDEC 1359. Children with Special Needs. 3:3:0
A survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, intervention strategies, available resources, referral processes, the advocacy role, and legislative issues. Prerequisite: None. Type: Tech

CDEC 2307. Math and Science for Early Childhood. 3:3:0
An exploration of principles, methods, and materials for teaching children math and science concepts and process skills through discovery and play. Prerequisite: None. Type: Tech

CDEC 2315. Diverse Cultural and Multilingual Education. 3:3:0
An overview of multicultural education to include relationships with the family and community to develop awareness and sensitivity to diversity related to
individual needs of children. This is an intermediate level elective course used to satisfy requirements for the AAS degree in Early Childhood. Prerequisite: Sophomore standing and approval of the program director. Type: Tech

**CDEC 2341. The School Age Child.**  
3:3:0
A study of appropriate programs for the school age child (5-13 years), including an overview of development, appropriate environments, materials and activities, and teaching/guidance techniques. (A CDEC elective for the AAS degree)  
Prerequisite: None. Type: Tech

**CDEC 2386. Internship-Child Care and Guidance Workers and Managers Provider/Assistant.**  
3:0:9
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. Prerequisite: Approval of program coordinator and 15 hours coursework in Early Childhood Education. (Capstone Course.) Type: Tech

**CDEC 2426. Administration of Programs for Children I.**  
4:3:2
A practical application of management procedures for early child care education programs, including a study of planning operating, supervising, and evaluating programs. Topics on philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication. Prerequisite: Approval of program coordinator. Type: Tech

**CDEC 2428. Administration of Programs for Children II.**  
4:3:2
An in-depth study of the skills and techniques in managing early care and education programs, including legal and ethical issues, personnel management, team building, leadership, conflict resolution, stress management advocacy, professionalism, fiscal analysis and planning parent education/partnerships, and technical applications in programs. (This is an intermediate level elective course used to satisfy requirements for the AAS degree in Early Childhood.)  
Prerequisite: Approval of program coordinator and CDEC 2426. (Capstone Course) Type: Tech

**TECA 1303. Family, School, and the Community.**  
3:3:0
A study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse, and current family life issues. This course requires students to participate in field experiences with children from infancy through age 12 years in a variety of settings with varied and diverse populations. Prerequisite: THEA Reading and Writing recommended; students must pass a criminal history check. Type: Acad
TECA 1311. Educating Young Children.  3:3:0
An introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. This course requires students to participate in field experiences with children from infancy through age 12 years in a variety of settings with varied and diverse populations. Prerequisite: THEA Reading and Writing recommended; students must pass a criminal history check. Type: Acad

TECA 1318. Wellness of the Young Child.  3:3:0
A study of the factors that impact the well-being of the young child including healthy behavior, food, nutrition, fitness, and safety practices. Focus on local and national standards and legal implications of relevant policies and regulations. The course content must be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. This course requires students to participate in field experiences with children from infancy through age 12 years in a variety of settings with varied and diverse populations and includes a minimum of 16 hours of field experiences scheduled in approved settings. Prerequisite: THEA Reading and Writing recommended; students must pass a criminal history check. Type: Acad

TECA 1354. Child Growth and Development.  3:3:0
A study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence. Prerequisite: THEA Reading and Writing recommended must be met. Type: Acad

ECONOMICS (ECON)
Division of Social and Behavioral Science

ECON 2301. Principles of Economics. (Macroeconomics) (Core 080)  3:3:0
Analysis of basic economic concepts and principles dealing with the processes and factors of production, exchange, distribution, and consumption; national income accounting and employment theory; cyclical fluctuations; and money, credit, and banking. Intended to enable students to consider intelligently some of the most important present-day economic problems. Prerequisites: THEA Reading and Writing requirements met. Type: Acad

ECON 2302. Principles of Economics. (Microeconomics) (Core 080)  3:3:0
Includes the topics of pricing, costs of production, market structure, government regulation of business, public finance, taxation, labor, foreign trade, and alternative economic systems. Intended to enable students to consider intelligently some of the most important present-day economic problems. Prerequisites: THEA Reading and Writing requirements met. Type: Acad
EDUCATION
Division of Technology and Business

EDUC 1301. Introduction to the Teaching Profession. 3:3:0
An enriched and integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career especially in high need fields; provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations; provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Prerequisites: THEA reading and writing requirements met, and must pass a criminal history check. (Recommended G-4 - G-8; Secondary Certification) Course must include a minimum of 16 contact hours of field experiences in P-12 classrooms. Type: Acad

EDUC 2301. Introduction to Special Populations. 3:3:0
This course is an enriched integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic, and academic diversity and equity with an emphasis on factors that facilitate learning. It provides students with opportunities to participate in early field observations of P-12 special populations. Prerequisites: EDUC 1301, and must pass a criminal history check. Course must include a minimum of 16 contact hours of field experiences in P-12 classrooms. Type: Acad

ELECTRONICS ENGINEERING TECHNOLOGY
Division of Technology and Business

CETT 1321. Electronic Fabrication. 3:3:1
A study of electronic circuit fabrication techniques including printed circuit boards, wire wrapping, bread boarding, and various soldering techniques. Skill in techniques of electronic equipment fabrication is gained through layout and construction of a complete unit. Component recognition, schematic symbols, soldering, wire wrapping, ESD considerations, and re-work techniques for discrete, leaded, and surface-mount components. IPC-A-610B training. Prerequisite: None. Type: Tech

CETT 1331. Programming for Discrete Electronic Devices. 3:3:1
Introduction to a high level programming language such as BASIC, PASCAL, or “C”. Topics include structured programming and problem solving and how they apply to technical applications. Lecture and lab programming practice
using Python. Prerequisites: MATH 1314. Type: Tech

CETT 1341. Solid State Circuits. 3:3:1
A study of various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Multistage transistor amplifiers, common-collector circuits; power amplifiers; amplifier class A, B, and C configurations; FET circuits; thyristors; amplifier frequency response; and basic linear operational amplifier circuits. Prerequisite: Credit for CETT 1429. Type: Tech

CETT 1403. D.C. Circuits. 4:3:3
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. Voltage, current, resistance, Ohm’s Law, Kirchhoff’s Voltage and Current Laws, Thevenin, Norton, superposition, and maximum power transfer theorems. Laboratory use of components, meters, power supplies, and oscilloscope. Prerequisite: Credit for or concurrent enrollment in CETT 1425. Concurrent enrollment in or credit for MATH 1314. Type: Tech

CETT 1405. A.C. Circuits. 4:3:3
A study of the fundamentals of alternating current including series and parallel AC circuits, phasors, capacitive and inductive networks, transformers, and resonance. Sinusoidal steady-state circuit analysis using complex numbers, inductance, capacitance, RL and RC time constants, transformers, resonance, filters, and frequency response. Laboratory realization of lecture topics. Prerequisite: Credit for CETT 1403 or approved credit from a high school with which WCJC has a current articulation agreement for Electronics Technology. Concurrent enrollment in or credit for MATH 1316. Type: Tech

CETT 1425. Digital Fundamentals. 4:3:3
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. Introduction to flip-flops. Laboratory realization of logic circuits using TTL and CMOS gates. Laboratory use of logic probes, meters, and oscilloscopes for digital troubleshooting. Prerequisite: Concurrent enrollment in or credit for CETT 1403. Concurrent enrollment in or credit for MATH 1314. Type: Tech

CETT 1429. Solid State Devices. 4:3:3
A study of diodes and bipolar semiconductor devices, including analysis of static and dynamic characteristics, bi techniques, and thermal considerations of solid state devices. Basic power-supply design and application. Linear and
switching circuits. Laboratory realization of lecture topics. Prerequisite: Credit for CETT 1403 or approved credit for CETT 1403 from a high school with which WCJC has a current articulation agreement for Electronics Technology.
Type: Tech

CETT 1445. Microprocessors.  
An introductory course in microprocessor software and hardware; its architecture, timing sequence, operation, and programming; discussion of appropriate software diagnostic language and tools. Organization, construction, and application of stored program LSI computers, both hardware and software. Microprocessor architecture: processor, memory, and I/O. The bus concept, RAM, and ROM. Instruction sets for the Intel 80xxx. Programming and I/O for open- and closed-loop control. Laboratory application of concepts using 8085 systems with extensive troubleshooting experience. Prerequisite: CETT 1449.
Type: Tech

CETT 1449. Digital Systems.  
A course in electronics covering digital systems. Emphasis on application and troubleshooting digital systems using counters, registers, code converters, multiplexers, analog-to-digital to-analog circuits, and large-scale integrated circuits. Logic family characteristics: TTL, ECL, and CMOS. I/O techniques and devices, A/D, D/A conversion, and display methods. Prerequisite: CETT 1425.
Type: Tech

CETT 1457. Linear Integrated Circuits.  
A study of the characteristics, operations, stabilization, testing, and feedback techniques of linear integrated circuits. Application in computation, measurements, instrumentation, and active filtering. Prerequisites: CETT 1405 and CETT 1429. Type: Tech

ELMT 2330. Final Project.  
Principles of electrical/electronic design encompassing schematics wiring diagrams, materials lists, operating characteristics, completion schedules, and cost estimates. The student will be required to plan and develop a project consisting of research, design, layout, construction and operation of an electrical-mechanical project. A formal written report and a demonstration and presentation of process and results is required. This course is intended to provide a Capstone experience for graduating Electronics Technology students. Prerequisite: Electronics Technology major expecting graduation in the current semester. Type: Tech

ELMT 1301. Programmable Logic Controllers  
An introduction to programmable logic controllers as used in industrial environments including basic concepts, programming, applications,
troubleshooting of ladder logic, and interfacing of equipment. Laboratory experience in programming and interfacing commercial PLCs. Prerequisites: CETT 1405, CETT 1425, and CETT 1429. Type: Tech

**ELMT 2433. Industrial Electronics.** 4:3:3
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. Analog and digital control loops and their application in process control and robotics. Microprocessors for control and monitoring. Sensing devices for pressure, level, flow, temperature, and position. Signal processing: A/D and D/A conversion, feedback, and servos. Laboratory work includes microprocessor and robotics interfacing and control circuits. Prerequisite: CETT 1457. Type: Tech

**EECT 1303. Introduction to Telecommunications.** 3:3:0
An overview of the telecommunications industry. Topics include the history of the telecommunications industry, terminology, rules and regulations, industry standards and protocols, microwave, satellite, optical, and wire/cable-based communications systems. Instruction in installation, testing, and maintenance of communications systems components. Introduction to data communication protocols. Prerequisites: CETT 1405, CETT 1429, CETT 1449. Type: Tech

**EECT 2439. Communication Circuits.** 4:3:3
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. Laboratory realization of lecture topics. Prerequisites: CETT 1405, CETT 1425, and CETT 1429. Type: Tech

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**EMERGENCY MEDICAL TECHNICIAN - PARAMEDIC**
**Public Safety Training**
**Division of Vocational Science**

**EMSP 1260. Emergency Medical Technology-Basic Clinical.** 2:1:7
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 college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary. As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws; and interactions within and among political, economic, environmental, social, and legal systems associated
with the particular occupation and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry. Prerequisite. Minimum passing scores on THEA reading and writing tests and current enrollment in EMSP 1401 with a minimum grade of 80%. Type: Tech

**EMSP 1338. Introduction to Advanced Practice.** 3:3:1
An exploration of the foundations necessary for mastery of the advanced topics of clinical practice out of the hospital. At the completion of this module, the student will understand the roles and responsibilities of a paramedic within the EMS system; apply the basic concepts of development, Pathophysiology and pharmacology to assessment and management of emergency patients; be able to properly administer medications; communicate effectively with patients; and understand the medical/legal and ethical issues relating to EMS practice as well as the issues impacting the well-being of the paramedic. Prerequisite: Emergency Medical Technician-Basic. Type: Tech

**EMSP 1355. Trauma Management.** 3:2:2
A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with traumatic injuries. At the completion of this module, the student will be able to integrate the pathophysiological principles and assessment findings to formulate a field impression and to implement the treatment plan for the trauma patient. Prerequisite: EMSP 1356. Type: Tech

**EMSP 1356. Patient Assessment and Airway Management.** 3:2:3
A detailed study of the knowledge and skills required to reach competence in performing patient assessment and airway management. At the completion of this module, the student will be able to take a proper history and perform a comprehensive physical exam on any patient; develop a patient care plan; communicate with others; and establish and/or maintain a patient airway, oxygenate, and ventilate a patient. Prerequisite: EMSP 1338. Type: Tech

**EMSP 1401. Emergency Medical Technician–Basic.** 4:4:4
This course is the introduction to the level of Emergency Medical Technician(EMT) – Basic. Includes all the skills necessary to provide emergency medical care at a basic life support level with an ambulance service or other specialized services. The student will display a working knowledge of clinical information and related topics relevant to the practice of pre-hospital emergency medical care of the EMT-Basic level; demonstrate the ability to competently perform all applicable skills; and exhibit attitudes and behavior consistent with the ethics and professionalism expected of the EMT-Basic. Prerequisite: Minimum passing scores on THEA reading and writing test,
current American Heart Association Health Care Provider course completion.
Type: Tech

**EMSP 2243. Assessment-Based Management.** 2:1:3
Designed to provide for teaching and evaluating comprehensive, assessment-based patient care management. At the completion of this module, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan for patients with common complaints. Prerequisites: EMSP 1356, EMSP 1355, EMSP 2444, EMSP 2434, and EMSP 2330. Type: Tech (Capstone Course)

**EMSP 2260. Emergency Medical Technology-Intermediate Clinical.** 2:1:9
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. As outlined in the learning plan, the student will apply the theory, concepts and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal and ethical in the assessment and management of patients with cardiac emergencies. At the completion of this module, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan for the cardiac patient. Prerequisite: EMSP 1356. Type: Tech

**EMSP 2261. Emergency Medical Technology-Paramedic Clinical I.** 2:1:9
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. As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry. Prerequisite: Concurrent enrollment in EMSP 2444, EMSP 2434, and EMSP 1356. Type:
EMSP 2262. Emergency Medical Technology-Paramedic Clinical II. 2:0:12
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. As outlined in the learning plan, the student will apply theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry. Prerequisite. Concurrent enrollment in EMSP 2243, EMSP 2444, and EMSP 1356. Type: Tech

EMSP 2330. Special Population. 3:3:2
A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of ill or injured patients in nontraditional populations. At the completion of this module, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for neonatal, pediatric, and geriatric patients, diverse patients, and chronically ill patients. Prerequisite: EMSP 1356, EMSP 2444, and EMSP 2434. Type: Tech

EMSP 2338. EMS Operations. 3:2:3
A detailed study of the knowledge and skills necessary to reach competence to safely manage the scene of an emergency. At the completion of this unit, the student will be able to safely manage medical incidents, rescue situations, hazardous materials and crime scenes. Prerequisite: EMSP 1356. Type: Tech

EMSP 2434. Medical Emergencies. 4:3:3
A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with medical emergencies. At the completion of this module, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the medical patient. Prerequisite: EMSP 1356 and EMSP 2444. Type: Tech

EMSP 2444. Cardiology. 4:3:3
A detailed study of the knowledge and skills necessary to reach competence in the assessment and management of patients with cardiac emergencies. At the
completion of this module, the student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan for the cardiac patient. Prerequisite: EMSP 1356. Type: Tech

ENGINEERING (ENGR)
Division of Math and Physical Science

ENGR 2301. Statics. 3:3:0
This course is required in most fields of Engineering (Civil, Mechanical, Aerospace, Electrical, etc.). It consists of a study of forces and moments of forces, equilibrium of particles and rigid bodies, centroids and centers of gravity, analysis of structures, forces in beams and cables, friction and moments of inertia. Prerequisites: Credit for or concurrent enrollment in MATH 2414 and PHYS 2425 or consent of the head of the department. [Offered fall semester.] Type: Acad

ENGR 2302. Dynamics. 3:3:0
This course is the second part of the Statics-Dynamics sequence. It consists of the study of kinematics and kinetics of particles and rigid bodies through the use of force, work, and energy as well as impulse and momentum methods with the appropriate engineering applications. Also includes mechanical vibrations and applications. Prerequisite: ENGR 2301 or PHYS 2425 or consent of the department head. [Offered spring semester.] Type: Acad

ENGINEERING DESIGN
Division of Technology and Business

DFTG 1405. Technical Drafting. 4:3:3
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. Prerequisite: Credit in DFTG 1409 or concurrent enrollment in DFTG 1409; and THEA reading requirement met or concurrent enrollment in READ 0307. Type: Tech

DFTG 1409. Basic Computer-Aided Drafting. 4:3:3
An introduction to basic computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinating systems, and plot/print to scale. Prerequisite: THEA reading requirement met or READ 0307. Type: Tech
DFTG 1410. Specialized Basic Computer-Aided Drafting (CAD)  4:3:3
A supplemental course to Basic Computer-Aided Drafting using an alternative
computer-aided drafting (CAD) software to create detail and working drawings.
Prerequisites:  THEA reading requirement met or READ0307.  DFTG 1405 is
recommended.  Type:  Tech

DFTG 1417. Architectural Drafting, Residential.  4:3:3
Architectural drafting procedures, practices, and symbols, including preparation
of detailed working drawings for residential structure with emphasis on light
frame construction methods.  Prerequisite:  DFTG 1409 and DFTG 1410, or
concurrent enrollment.  Type:  Tech

DFTG 1493. Special topics in Civil Drafting and Civil Engineering.  4:3:3
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 was designed to be
repeated multiple times to improve student proficiency.  Prerequisites:  DFTG
1409 & DFTG 1410.  Type:  Tech

DFTG 1494. Special Topics in Electrical/Electronics Drafting
and Electrical/Electronics.  4:3:3
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.  Prerequisites:  DFTG 1405 and
DFTG 1410.  Type:  Tech

DFTG 2406. Machine Design.  4:3:3
Theory and practice of design. Projects in problem-solving, including press fit,
bolted and welded joints, and transmission components. Prerequisites:  DFTG
1405 and DFTG 1409.  Type:  Tech

DFTG 2419. Intermediate Computer-Aided Drafting.  4:3:3
A continuation of practices and techniques used in basic computer-aided
drafting emphasizing advanced dimensioning techniques, the development and
use of prototype drawings, construction of pictorial drawings, interfacing 2d and
3d environments and extracting data.  Prerequisites:  DFTG 1405 and DFTG
1409.  Type:  Tech

DFTG 2423. Pipe Drafting.  4:3:3
A study of pipe fittings, symbols, specifications and their applications to a
piping process system.  Creation of symbols and their usage in flow diagrams,
plans, elevations, and isometrics. Prerequisites:  DFTG 1405 and DFTG 1409.
DFTG 2419 recommended.  Type:  Tech
DFTG 2432. Advanced Computer-Aided Drafting. 4:3:3
Use of advanced techniques, including the use of a customized system and the principles of data manipulation for drawing production enhancement. Presentation of advanced drawing applications, such as three-dimensional modeling and linking graphic entities to external non-graphic data. Prerequisites: DFTG 1409 and DFTG 1410. Type: Tech

DFTG 2436. Computer-Aided Drafting Programming. 4:3:3
Course Level: Advanced
Use of programming language to enhance CAD software. Prerequisites: DFTG 1405 and DFTG 1409. Type: Tech

DFTG 2440. Solid Modeling/Design. 4:3:3
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. Prerequisites: DFTG 1405 and DFTG 1409. Type: Tech

ENGLISH (ENGL)
Division of Communications and Fine Arts

ENGL 0306. Preparatory English. 3:3:2
Non-transfer credit course for students who qualify on the basis of English placement tests. Designed to help students overcome deficiencies in basic English and to help students write clear sentences and coherent paragraphs. Students are placed in this course according to WCJC developmental placement guidelines. Prerequisite: None.

ENGL 0307. Writing. 3:3:2
Preparatory, non-transfer credit course for students who qualify on the basis of test scores. This course is designed to help the student raise his or her level of competency in use of language and enable him or her to write college-level compositions. This course is geared to help the student improve spelling, punctuation, sentence construction, and paragraphing and to give the student practice in writing so that he or she will be able to write effective compositions in ENGL 1301. Prerequisite: Students are placed in this course according to WCJC developmental placement guidelines. This course must be passed with a C or better to satisfy TSI requirements. [Offered fall, spring and summer semesters.]

ENGL 1301. Composition I. (Core 010) 3:3:0
Study of English to improve students' ability to think objectively and to communicate effectively. Stress on clarity and effectiveness in the sentence,
ENGL 1302. Composition II. (Core 010) 3:3:0
Second half of the English composition sequence. Emphasizes the process of writing a research paper and analysis and interpretation of printed material. Students are encouraged to read with a degree of sophistication and to apply the principles of critical thinking and organization to written assignments. Prerequisites: ENGL 1301 [Offered fall, spring and summer semesters. Also offered as an Internet course.] Type: Acad

ENGL 2311. Technical Report Writing. 3:3:0
The study of the fundamentals of good, clear writing in the scientific and technical fields. Students are instructed in the planning and preparation of reports, correspondence, and other professional communication applicable to a wide range of disciplines and careers. The course emphasizes audience analysis, research skills, effective design, and clear, concise, accurate expression. Preparation and presentation of oral reports will be covered. Prerequisite: ENGL 1301 with a grade of C or better. [Offered fall and spring semesters; occasionally offered in the summer. Also offered as an Internet course.] Type: Acad

ENGL 2322. British Literature I. (Core 040) 3:3:0
Chronological study of the major works and literary trends in British literature from the Old English period through the eighteenth century. Prerequisite: ENGL 1302. [Offered fall and summer I semesters.] Type: Acad

ENGL 2323. British Literature II. (Core 040) 3:3:0
Chronological study of British literature from the Romantic period to the present, focusing on the major authors and literary trends of each period. Prerequisite: ENGL 1302. ENGL 2322 is not a prerequisite for ENGL 2323. [Offered spring and summer II semesters.] Type: Acad

ENGL 2327. American Literature I. (Core 040) 3:3:0
Focuses on American Literature from the pre-Colonial Period through the Romantic Period. Prerequisite: ENGL 1302. ENGL 2307 is not a prerequisite for ENGL 2328. Type: Acad
ENGL 2332. World Literature I. (Core 040) 3:3:0
Focuses on Western and non-Western literary works from the ancient world through the Renaissance. Prerequisite: ENGL 1302. [Offered fall semester; occasionally offered in the summer.] Type: Acad

ENGL 2333. World Literature II. (Core 040) 3:3:0
Focuses on Western and non-Western literary works from the eighteenth through the twentieth centuries. Prerequisite: ENGL 1302. ENGL 2332 is not a prerequisite for ENGL 2333. [Offered spring and summer semesters.] Type: Acad

ENGL 2341. Forms of Literature. (Core 040) 3:3:0
The study of one or more literary genres including, but not limited to, poetry, fiction, drama, and film. The course topic and the nature and specific focus of a field trip, if any, vary by semester. May be repeated for credit. Prerequisite: ENGL 1302. [Offered occasionally in the fall, spring, and summer semesters.] Type: Acad

FIRE SCIENCE (FIRS)
Public Safety Training
Division of Vocational Science

FIRS 1313. Fire Certification III. 3:2:2
General principles of fire apparatus, pump operations, fire streams, and public operations as they relate to fundamental development of basic firefighter skills. Licensing/Certification Agency: Texas Commission on Fire Protection. Suggested Prerequisite: College-level math skills. Must be completed in sequence with Fire Certification I, II, IV, V, VI, and VII to constitute the Texas Fire Commission - approved Basic Paid Firefighter Certification. Type: Tech

FIRS 1319. Fire Certification IV. 3:3:1
Course Description: A study of equipment, tactics, and procedures used in forcible entry, ventilation, salvage, and overhaul. Required as preparation for certification as a basic firefighter. Licensing/Certification Agency: Texas Commission on Fire Protection. Prerequisite: Must be completed in sequence with Fire Certification I, II, III, V, VI, and VII to constitute the Texas Fire Commission - approved Basic Paid Firefighter Certification. Type: Tech

FIRS 1329. Fire Certification VI. 3:3:1
The study of fire inspection techniques and practices, public transportation, fire cause determination. Topics include fire protection systems, wild land fire, and pre-incident planning. Required as preparation for certification as a basic firefighter. Licensing/Certification Agency: Texas Commission on Fire
Protection. Suggested Prerequisite: College-level math skills. Must be completed in sequence with Fire Certification I, II, III, IV, V, and VII to constitute the Texas Fire Commission - approved Basic Paid Firefighter Certification. Type: Tech

**FIRS 1401. Fire Certification I.** 4:4:2
An introduction to firefighter safety and development. Topics include Texas Commission on Fire Protection Rules and Regulations, firefighter safety, fire science, personal protective equipment, self-contained breathing apparatus, and fire reports and records. Licensing/Certification Agency: Texas Commission on Fire Protection. Prerequisite: Must be completed in sequence with Fire Certification II, III, IV, V, VI, and VII to constitute the Texas Fire Commission - approved Basic Paid Firefighter Certification. Type: Tech

**FIRS 1423. Fire Certification V.** 4:4:2
The study of ropes and knots, rescue procedures and techniques, and hazardous materials. Required as preparation for certification as a basic firefighter. Licensing/Certification Agency: Texas Commission on Fire Protection. Prerequisite: Must be completed in sequence with Fire Certification I, II, III, IV, VI, and VII to constitute the Texas Fire Commission - approved Basic Paid Firefighter Certification. Type: Tech

**FIRS 1433. Fire Certification VII.** 4:2:5
An in-depth study and practice of simulated emergency operations and hands-on live fire training exercises, incident command procedures, and combined operations using proper extinguishing methods. Emphasis on safety. Licensing/Certification Agency: Texas Commission on Fire Protection. Prerequisite: Must be completed in sequence with Fire Certification I, II, III, IV, V, and VI to constitute the Texas Fire Commission - approved Basic Paid Firefighter Certification. Type: Tech

**FIRS 1507. Fire Certification II.** 5:4:3
The study of basic principles and skill development in handling fire service hose and ladders. Topics include the distribution system of water supply; basic building construction; and emergency service communication, procedures, and equipment. Licensing/Certification Agency: Texas Commission on Fire Protection. Prerequisite: Must be completed in sequence with Fire Certification I, III, IV, V, VI, and VII to constitute the Texas Fire Commission - approved Basic Paid Firefighter Certification. Type: Tech
GEOGRAPHY (GEOG)
Division of Social and Behavioral Science

GEOG 1303. World Geography. (Core 080) 3:3:0
Examination of major cultural realms of the world with focus on how the physical environment of terrain, soils, vegetation, and climate influence cultural development. Includes interpreting maps and location of major political subdivisions and cities in the cultural realms. Note: Emphasis is on cultural geography. Prerequisite: THEA reading and writing requirements met. Type: Acad

GEOLOGY (GEOL)
Division of Math and Physical Science

GEOL 1103. Physical Geology Laboratory. (Core 030) 1:0:2
Laboratory exercises involving the study of rocks, minerals, and map interpretations. Prerequisite: Concurrent enrollment in GEOL 1303 or credit for GEOL 1303. [Offered fall and spring semesters.] Type: Acad

GEOL 1104. Historical Geology Laboratory. (Core 030) 1:0:2
Laboratory exercises include the study of plant and animal fossils and practical application of the principles of historical geology. Prerequisite: Concurrent enrollment in GEOL 1304 or credit in GEOL 1304. [Offered fall and spring semesters.] Type: Acad

GEOL 1303. Physical Geology. (Core 030) 3:3:0
Introduction to the materials, processes, and structure of the earth. Topics include continental drift, earthquakes, glaciation, mineral resources, mountain building, oceans, volcanoes, weathering, and erosion. Prerequisite: THEA reading and writing requirements met. NOTE: GEOL 1103 must be taken with this course to fulfill the 4-hr. credit for natural science in a degree plan. [Offered fall and spring semesters.] Type: Acad

GEOL 1304. Historical Geology. (Core 030) 3:3:0
Introduction to the history of the earth and its past inhabitants. Provides a broad overview of fossil records as evidence of the various kinds of plants and animals that have existed on earth. Prerequisites: THEA reading and writing requirements met. NOTE: GEOL 1104 must be taken with this course to fulfill the 4-hr. credit for natural science in a degree plan. [Offered fall and spring semesters.] Type: Acad
GERMAN (GERM)
Division of Communication and Fine Arts

GERM 1411. Beginning German I 4:3:2
Introduces students to the grammar structures of the German language and to basic vocabulary. It also familiarizes students with diverse aspects of life and culture of the countries where German is spoken. Strong listening, speaking and reading skills are emphasized. Prerequisites: None. Type: Acad

GERM 1412. Beginning German II 4:3:2
Continuation of GERM 1411. Emphasis on more advanced and applied grammar structures of the German language and vocabulary. Familiarizes students with diverse aspects of life and culture of the countries where German is spoken. Strong listening, speaking and reading skills are emphasized. Prerequisites: GERM 1411. Type: Acad

GERM 2311. Intermediate German I 3:3:0
German 2311 is the first semester of the second year of German in which the student of German will listen, speak, read, and write German. Vocabulary and grammar are introduced and applied in the context of practical communication. The student will also be introduced to reading selections, which will enhance their ability to read in the target language. Prerequisites: GERM 1411 and GERM 1412 or passing grade on German placement test. Type: Acad

GERM 2312. Intermediate German II 3:3:0
German 2312 is the second semester of the second year of German in which the student of German will listen, speak, read, and write German. Vocabulary and grammar are continued and applied in the context of practical communication. The student will read a greater number and variety of literary selections from a larger number of German authors. Prerequisites: GERM 1411, GERM 1412, and GERM 2311 or passing grade on German placement test. Type: Acad

GOVERNMENT (GOVT)
Division of Social and Behavioral Science

GOVT 2301. American, National and State Government: Constitutions, Federalism and Participation. (Core 070) 3:3:0
Survey of the American national and state systems of government. Topics covered in this course include: political ideology; the origins and development of the Constitution of the United States and the Constitution of Texas; the principles of federalism and federal-state-local governmental relations; the instruments and methods of political participation; and the various forms of local government. Meets the legislative requirements for a course on the
Constitutions of the United States and Texas for teacher certification. Prerequisite: THEA reading and writing requirements met. [Primary semester is fall, but offered all semesters. Also offered as an Internet course.](To ensure transferability, students should plan to take both GOVT 2301 and GOVT 2302 at WCJC.) Type: Acad

GOVT 2302. American National and State Government:

Institutions, Rights and Public Policies (Core 070)  3:3:0
Survey of the legislative, executive, and judicial branches of the national government and of the State of Texas. The course also encompasses a study of civil rights and civil liberties and public policy. Prerequisite: THEA reading and writing requirements met. GOVT 2301 recommended. [Primary semester is spring, but offered all semesters. Also offered as an Internet course.](To ensure transferability, students should plan to take both GOVT 2301 and GOVT 2302 at WCJC.) Type: Acad

HEALTH INFORMATION TECHNOLOGY (HITT):
Division of Allied Health

HITT 1167. Practicum I Health Information Technology.  1:0:8
Practical general training and experiences in the workplace. The college with the employer develops and documents an individualized plan for the student. Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. The plan relates the workplace training and experiences to the student’s general and technical course of study. The guided external experiences are unpaid. Prerequisites: HITT 1249, HITT 1301, HITT 1305, MRMT 1307, HITT 1345, and HITT 1353. [Primary semester is fall, but can be offered as needed.] Type: Tech

HITT 1249. Pharmacology.  2:2:0
Overview of the basic concepts of the pharmacological treatment of various diseases affecting major body systems. Prerequisite: None [Offered spring semester] Type: Tech

HITT 1301. Health Data Content and Structure.  3:2:2
Introduction to systems and processes for collecting, maintaining, and disseminating primary and secondary health related information including content of health record, documentation requirements, registries, indices, licensing, regulatory agencies, forms and screens. Prerequisite: None. [Offered fall semester.] Type: Tech

HITT 1305. Medical Terminology I.  3:3:0
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. Prerequisite: None. [Offered fall semester.] Type: Tech

**HITT 1311. Computers in Health Care.**  
3:3:0  
Concepts of computer technology related to health care data. Prerequisites: COSC 1301 and concurrent enrollment in HITT 1167, HITT 1441, HPRS 2301, HITT 1355 or consent of department head. [Offered fall semester.] Type: Tech

**HITT 1345. Health Care Delivery Systems.**  
3:3:0  
Introduction to organization, financing, and delivery of health care services, accreditation, licensure, and regulatory agencies. Prerequisite: None. [Offered fall semester.] Type: Tech

**HITT 1353. Legal and Ethical Aspects of Health Information.**  
3:3:0  
Concepts of privacy, security, confidentiality, ethics, health care legislation, and regulations relating to the maintenance and use of health information. Prerequisite: HITT 1301. [Offered spring semester.] Type: Tech

**HITT 1355. Health Care Statistics.**  
3:3:0  
General principles of health care statistics with emphasis in hospital statistics. Skill development in computation and calculation of health data. Prerequisites: Concurrent enrollment in HITT 2167, HITT 1441, HPRS 2301 and HITT 1311. [Offered fall semester.] Type: Tech

**HITT 1441. Coding and Classification Systems.**  
4:2:4  
Basic coding rules, conventions, and guidelines using clinical classification systems. Prerequisites: HITT 1301, HITT 1305, BIOL 2401, BIOL 2402 and concurrent enrollment in HPRS 2301. [Offered fall semester.] Type: Tech

**HITT 2166. Practicum II Health Information Technology.**  
1:0:8  
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisites: Concurrent enrollment in HITT 2339, HITT 2435, HITT 2443. [Primary semester is spring, but can be offered as needed.] Type: Tech

**HITT 2167. Practicum III Health Information Technology.**  
1:0:8  
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisites: HITT 2339, HITT 2435, and HITT 2443. [Primary semester is summer, but can be offered as needed.] Type: Tech (Capstone Course)

**HITT 2339. Health Information Organization and Supervision.**  
3:3:0
Principles of organization and supervision of human, financial, and physical resources. Prerequisites: HITT 1353 and HITT 1355. [Offered spring semester.] Type: Tech (Capstone Course)

HITT 2435. Coding and Reimbursement Methodologies. 4:2:4
Advanced coding techniques with emphasis on case studies, health records, and federal regulations regarding prospective payment systems and methods of reimbursement. Prerequisites: HPRS 2301, HITT 1355, HITT 1311, and HITT 1441. [Offered spring semester.] Type: Tech

HITT 2443. Quality Assessment and Performance Improvement. 4:4:0
Study of quality standards and methodologies in the health information management environment. Topics include licensing, accreditation, compilation and presentation of data in statistical formats, quality management and performance improvement functions, utilization management, risk management, and medical staff data quality issues. Prerequisites: Concurrent enrollment in HITT 2339, HITT 2435 and HITT 2166. [Offered spring semester.] Type: Tech

HPRS 2301. Pathophysiology. 3:3:0
Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. Prerequisites: BIOL 2402 or consent of instructor. [Offered fall and spring semester.] Type: Tech

MRMT 1307. Medical Transcription Fundamentals. 3:2:4
Fundamentals of medical transcription with hands-on experience in transcribing physician dictation including basic reports such as history and physicals, discharge summaries, consultations, operative reports and other medical reports. Utilizes transcribing and information processing equipment compatible with industry standards. Designed to develop speed and accuracy. Prerequisites: HITT 1301 and HITT 1305 and ability to type 50 wpm or completion of POFT 1227. [Offered spring semester.] Type: Tech

Capstone Courses HITT 2167 and HITT 2339 are the culminating evaluative courses that assess the outcome of the major. All students must complete these courses with a grade of C or better.

HEATING, AIR CONDITIONING AND REFRIGERATION TECHNOLOGY
Division of Vocational Science

HART 1401. Electricity Principles. 4:3:6
Principles of electricity as required by HVACR, including proper use of test equipment, electrical circuits, and component theory and operation. [Offered fall semester.] Type: Tech

**HART 1403. A/C Control Principles.** 4:3:6
A basic study of HVAC and refrigeration controls; troubleshooting of control components; emphasis on use of wiring diagrams to analyze high and low voltage circuits; a review of Ohm’s law as applied to air conditioning controls and circuits. [Offered fall semester.] Type: Tech

**HART 1407. Refrigeration Principles.** 4:3:6
An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components and safety. [Offered fall semester.] Type: Tech

**HART 1441. Residential Air Conditioning.** 4:3:6
A study of components, applications, and installation of mechanical air conditioning systems including operating conditions, troubleshooting, repair, and charging of air conditioning systems. [Offered spring semester.] Type: Tech

**HART 1445. Gas and Electric Heating.** 4:3:6
Study of the procedures and principles used in servicing heating systems including gas fired furnaces and electric heating systems. [Offered spring semester.] Type: Tech

**HART 2431. Advanced Electricity.** 4:3:6
Advanced electrical instruction and skill building in installation and servicing of air conditioning and refrigeration equipment including detailed instruction in motors and power distribution and introduction to solid state devices. Prerequisite: HART 1401. [Offered summer semester.] Type: Tech

**HART 2434. Advanced A/C Controls.** 4:3:6
Theory and application of electrical control devices, electromechanical controls, and/or pneumatic controls. Prerequisite: HART 1403. [Offered summer semester.] Type: Tech

**HART 2436. Troubleshooting.** 4:3:6
An advanced course in application of troubleshooting principles and use of test instruments to diagnose air conditioning and refrigeration components and system problems including conducting performance tests. Prerequisite: HART 1401, HART 1403, and HART 1407. **Capstone Exit Examination is required for this course.** [Offered summer semester.] Type: Tech

**HART 2442. Commercial Refrigeration.** 4:3:6
Theory and practical application of the maintenance of commercial refrigeration; medium and low temperature applications and ice machines. [Offered spring semester.] Type: Tech

**HISTORY (HIST)**
Division of Social and Behavioral Science

**HIST 1301. U. S. History I. (Core 060)** 3:3:0
Survey beginning with the European background for the discovery of America and continuing to the close of Reconstruction in 1877. Social, economic, cultural, military, political, and diplomatic developments are emphasized. The diversity of the American culture is stressed and the wide varieties of contributions from all Americans are included. Prerequisite: THEA reading and writing requirements met. [Offered fall, spring and summer semesters. Also offered via Internet and ITV.] Type: Acad

**HIST 1302. U. S. History II. (Core 060)** 3:3:0
Continuation of HIST 1301, covering the period from the close of Reconstruction to the present, with emphasis upon the United States in the contemporary world. Prerequisite: THEA reading and writing requirements met. HIST 1301 recommended, but not required. [Offered fall, spring and summer semesters. Also offered via Internet and ITV.] Type: Acad

**HIST 2301. History of Texas. (Core 080)** 3:3:0
History of Texas from the Spanish period to the present day. Stress on the period of early settlement, the revolution, the republic, and early statehood. Includes the role of ethnic minorities in the development of the state. Prerequisite: THEA reading and writing requirements met. Type: Acad

**HIST 2311. Western Civilization I. (Core 080)** 3:3:0
Survey of early European history from prehistoric time to the late 17th century. Traces the development of various governments, political history, social institutions, and culture often referred to as "western civilization." Prerequisite: THEA reading and writing requirements met. [Offered in the fall semester online.] Type: Acad

**HIST 2312. Western Civilization II. (Core 080)** 3:3:0
Continuation of HIST 2311, covering the evolution of modern western civilization from the late 17th century to the present. Emphasis will be placed on the wide variety of contributions to the development of modern civilization. Prerequisite: THEA reading and writing requirements met. HIST 2311 recommended. [Offered in the spring semester online.] Type: Acad
HUMAN SERVICES  
Division of Allied Health

CHLT 1209. Community Ethics  
Discussion of the role of ethics as it pertains to health care and community settings including ethical decision-making. Type: Tech

CHLT 1302. Wellness and Health Promotion.  
Overview of wellness theory and its application throughout the life span. Focus is on attitude development, impact of cultural beliefs, and communication of wellness. Includes health behavior theories and approaches to behavior modification. Type: Tech

CHLT 1340. Community Health Advocacy  
Study of local, regional, and national health care resources. Identification of health organizations, support groups, and health care delivery systems to be used for client referral. Activities include visits to various local agencies and attendance/participation in related activities. Prerequisite: None. Type: Tech

CHLT 2166. Practicum (or field experience)-Community Health Services/Liaison/Counseling.  
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Capstone Course.  
Prerequisite: CHLT 1209, PSYT 1329, DAAC 1317 (may take DAAC 1317 concurrently for certificate only), and consent of Instructor. Type: Tech

CMSW 1309. Problems of Children and Adolescents  
Examination of the particular problems of youth and their implications for the delivery of social services. Emphasis on social service institutions of a preventative and rehabilitative nature. Type: Tech

CMSW 2166. Practicum (or field experience)-Clinical/Medical Social Work.  
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Capstone Course.  
Prerequisite: CHLT 1209, PSYT 1329, DAAC 1317 (may take DAAC 1317 concurrently for certificate only), and consent of instructor. Type: Tech

DAAC 1317. Basic Counseling Skills.  
Facilitate development of the basic counseling skills necessary to develop an effective helping relationship with clients. Includes the utilization of special skills to assist in achieving objectives through exploration of problems, examination of attitudes and feelings, consideration of alternative solutions and
decisions making. Prerequisite: CHLT 1209 and PSYT 1329. Type: Tech

**DAAC 1319. Intro to Alcohol and Other Drug Addictions.**  
3:3:0  
Causes and consequences of addiction as they relate to the individual, family, community, and society. Overview of alternatives regarding prevention, intervention, and treatment. Includes explanation of competencies and requirements for licensure in Texas. Also covers addiction issues related to diverse populations. Type: Tech

**GERS 1342. Aging and Mental Health**  
3:3:0  
Introduction and analysis of current knowledge and concerns related to psychological aging. Includes the theoretical and empirical foundations relevant to the psychological study of the later part of the lifespan. The course is taught from an interdisciplinary perspective and focuses on topics related to perceptual, cognitive, personality, and interpersonal social development. Examination of issues related to psychological adjustment and death and dying. Prerequisite: None. Type: Tech

**PMHS 2160. Clinical-Psychiatric/Mental Health Services Tech.**  
1:0:16  
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. **Capstone Course.** Prerequisite: CHLT 1209, PSYT 1329, and DAAC 1317 and/or consent of Instructor. Type: Tech

**PSYT 1329. Interviewing and Communication Skills.**  
3:3:0  
Development of the basic communication skills necessary to develop an effective helping relationship with clients. Topics include counseling techniques such as intake interviewing, relationship building, problem identification and resolution. Emphasis on importance of effective oral communications. Prerequisite: None. Type: Tech

**PSYT 2345. Principles of Behavior Management**  
3:3:0  
A study of behavior management and cognitive theories and techniques with emphasis on their applications. Prerequisite: PSYC 2301 Introduction to General Psychology. Type: Tech

**PSYT 2164: Practicum (or field experience)-Clinical Psychology.**  
1:0:16  
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: CHLT 1209, PSYT 1329, and DAAC 1317 and/or consent of Instructor. Type: Tech (Capstone Course)

**PSYT 2321. Crisis Intervention.**  
3:3:0  
A study of the principles and theories of assisting the individual in a crisis
situation. Topics include coping skills to increase potential reinstatement of equilibrium to an individual’s lifestyle and suicide prevention. Type: Tech

**PSYT 2335. Family Systems. 3:3:0**
Examine the American family from historical and modern perspectives. Emphasis on current issues regarding structures of relationships, marriage, and social change. Prerequisite: None. Type: Tech

**SCWK 1321. Orientation to Social Services. 3:3:0**
Introduction to the basic concepts, information, and practices within the field of social services. Topics include a survey of the historical development of social services; social, legal, and clinical definitions; and review of current information regarding indications for and methods of treatment and/or services. Type: Tech

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**HUMANITIES (HUMA)**
Division of Communications and Fine Arts

**HUMA 1301. Introduction to Humanities. (Core 040) 3:3:0**
This course will look at literature, music, theatre and film, and visual arts to expand students’ knowledge of the human condition and human cultures. Prerequisite: THEA reading and writing met. Type: Acad

**HUMA 2323 (or ANTH 2346). World Cultures 3:3:0**
Study of human beings, their antecedents and related primates, and their cultural behavior and institutions. Introduces the major subfields: physical and cultural anthropology, archaeology, linguistics, and ethnology. Cross listed as ANTH 2346. Prerequisites: Minimum passing scores on THEA reading and writing tests. Type: Acad

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**KINESIOLOGY (PHED)**
Division of Life Sciences

**PHED 1103. Aerobics I. (Core 090) 1:0:3**
Helps students assess their own fitness and learn how to exercise properly through instruction and participation in aerobic dances. Prerequisite: None. [Offered fall and spring semesters.] Type: Acad

**PHED 1105. Aerobics II. (Core 090) 1:0:3**
Exercise program that provides guidance in the selection of activities for immediate and future needs through instruction in advanced aerobics. Prerequisite: PHED 1103. [Offered fall and spring semesters.] Type: Acad
PHED 1107. Beginning Weight Lifting/Circuit Training. (Core 090)  1:0:3
Combines weight lifting with aerobic activities in a structured conditioning
program that trains the whole body. Prerequisite: None. [Offered fall and spring
semesters.] Type: Acad

PHED 1110. Co-ed Volleyball. (Core 090)  1:0:3
Open to individuals who wish to improve their personal skills in volleyball
through supervised practices and game conditions. Prerequisite: None. [Offered
fall and spring semesters.] Type: Acad

PHED 1117. Advanced Weight Lifting/Circuit Training. (Core 090)  1:0:3
Combines weight lifting with aerobic activities in a structured conditioning
program that trains the whole body. Prerequisite: PHED 1107. [Offered fall and
spring semesters.] Type: Acad

PHED 1122. Concepts of Baseball. (Core 090)  1:0:3
Open to talented individuals who wish to improve their personal skills in
baseball through supervised practice and game conditions. May be taken for
four semesters for credit. Open to baseball team members only. Prerequisite:
Consent of instructor. [Offered fall and spring semesters.] Type: Acad

PHED 1124. Concepts of Rodeo. (Core 090)  1:0:3
Open to talented individuals who wish to improve their personal skills in the
sport of rodeo. Enrollment is limited by facilities and availability of stock. May
be taken for four semesters for credit. Open to rodeo team members only.
Prerequisite: Consent of instructor. [Offered fall and spring semesters.] Type: Acad

PHED 1127. Concepts of Volleyball. (Core 090)  1:0:3
Open to talented individuals who wish to improve their personal skills in
volleyball through supervised practice and game conditions. May be taken for
four semesters for credit. Prerequisite: Consent of instructor. Open to
volleyball team members only. [Offered fall and spring semesters.] Type: Acad

PHED 1301. Foundations of Kinesiology.  3:3:0
Acquaints those who plan to major in kinesiology with the nature and scope of
this field of study. Includes the history, principles, and objectives of the field.
Reviews materials on health, physical activity, and recreation as an emerging
profession and includes an analysis of the employment picture. Prerequisite:
None. [Offered spring semester.] Type: Acad

PHED 1304. Health.  3:3:0
Designed to give people reliable information about their personal health and to
aid them in using this knowledge to safeguard their own health, to prevent health risks, and to deal with those problems they do encounter. Prerequisite: None. [Offered fall and spring semesters.] Type: Acad

**PHED 1306. First Aid.** 3:3:0
Intent of this course is to help people feel more confident of their ability to provide temporary assistance in an emergency. This course meets American Red Cross certification requirements in Standard First Aid and Adult CPR. Students meeting the requirements will receive ARC Certification in Standard First Aid and Adult CPR. Prerequisite: None. [Offered fall and spring semesters.] Type: Acad

**PHED 1346. Drug Use and Abuse.** 3:3:0
This course provides an overview of drug use, misuse and abuse. The course is divided into three major topic areas. The first area provides an historical perspective of drug use, motivations, social implications and legal ramifications of drug use and factors affecting how drugs interact with the human body. The second area focuses categories of drugs and their psychological and physiological effects. The last area examines treatment and prevention modalities. Prerequisite: None. Type: Acad

**MATHEMATICS (MATH)**
Division of Math and Physical Science

**MATH 0308. Beginning Algebra.** 3:3:0
Designed to build on the skills developed in pre-algebra mathematics, to continue preparation for THEA, and to provide a foundation for the Intermediate Algebra course. Topics include operations with algebraic expressions, linear inequalities, word problems, graphing, polynomials, factoring, applications for geometric figures, and geometric reasoning in problem solving. Prerequisite: Testing classifies the student as not “college ready” in math and the student has not taken Algebra II or higher in high school. Course must be passed with a “C” or better to advance to MATH 0312. [Offered all semesters.]

**MATH 0312. Intermediate Algebra.** 3:3:0
Includes the study of the properties of the real-number system; special products; factoring; operations involving fractions; first degree equations and inequalities; exponents and radicals; functions; systems of linear equations; and selected topics in quadratic equations. Prerequisite: Completion of MATH 0308 with a “C” or better. This course must be passed with a C or better to satisfy TSI requirements. [Offered all semesters.]

**MATH 1314. College Algebra. (Core 020)** 3:3:0
Includes systems of linear equations; selected topics on determinants and matrices; quadratic equations; systems involving quadratics, ratio and proportion, variation, exponents and radicals; inequalities; progressions; permutations and combinations; the binomial theorem; and selected topics in theory of equations and partial fractions. Prerequisite: THEA math requirement met. [Offered all semesters.] Type: Acad

MATH 1316. Trigonometry. (Core 020) 3:3:0
Practical trigonometry including the study of right triangles, oblique triangles, logarithms, and circular measure. Analytical trigonometry including trigonometric identities and equations. Prerequisite: Minimum of one year of high-school algebra and one year of plane geometry, or two years of high-school algebra, or MATH 1314. [Offered all semesters at Wharton and Sugar Land.] Type: Acad

MATH 1324. Finite Mathematics. (Core 020) 3:3:0
Topics include sets, permutations and combinations, probability, relations and functions, inequalities; introduction to linear programming, linear equations, and matrices; and introduction to statistics. Prerequisite: THEA math requirement met. [Offered all semesters.] Type: Acad

MATH 1325. Mathematical Analysis for Business. (Core 020) 3:3:0
Relations and functions, maxima and minima, simple differentiation and integration. Especially designed for business and economics majors. Prerequisite: THEA math requirement met. [Offered all semesters.] Type: Acad

MATH 1342. Introduction to Statistics. (Core 020) 3:3:0
Includes the principles and techniques of collection and tabulation of data, bar charts, graphs, tables, sampling, averages, dispersion, correlation, the normal distribution, and probability with applications to various fields. Prerequisite: THEA math requirement met. [Offered all semesters at Sugar Land, spring semester at Wharton.] Type: Acad

MATH 1348. Analytic Geometry and Elementary Functions. (Core 020) 3:3:0
Includes lines, planes, conic sections, and graphing techniques in two and three dimensions. Covers functions including polynomial, rational, exponential, logarithmic, and trigonometric. Prerequisites: MATH 1314 and credit for or concurrent enrollment in MATH 1316; or four years of high-school mathematics including trigonometry and ACT Math Test Score of 21; or SAT score of at least 480. [Offered as demand requires.] Type: Acad

MATH 1350. Fundamentals of Math I. (Core 020) 3:3:0
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 4-8 grade teacher certification. Prerequisite: MATH 1314. Type: Acad

MATH 1351. Fundamentals of Math II. (Core 020) 3:3:0
Concepts of geometry, probability, and statistics are included. Applications of the algebraic properties of real numbers to concepts of measure are included. Some elementary Geometry is also included. There is an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek 4-8 grade teacher certification. Prerequisite: MATH 1314. Type: Acad

MATH 2305. Discrete Mathematics. (Core 020) 3:3:0
A study of set theory, relations, functions, matrices, number systems, number theory, difference equations, graphs and trees, combinatorics, probability, and Boolean Algebra. Prerequisite: MATH 1314 with a grade of “C” or better or consent of instructor. [Offered as demand requires.] Type: Acad

MATH 2312. Precalculus. (Core 020) 3:3:0
Applications of algebra and trigonometry to the study of elementary functions and their graphs including polynomial, rational, exponential, logarithmic, and trigonometric functions; selected topics from analytical geometry. Prerequisites: MATH 1314 and high-school trigonometry; MATH 1316; or four years of high-school mathematics including trigonometry and ACT Math Test Score 21; or SAT score of at least 480. [Offered all semesters.] Type: Acad

MATH 2318. Linear Algebra. (Core 020) 3:3:0
Introductory course in linear algebra covering concepts of finite dimensional vector spaces, linear independence and bases, linear transformations, matrices, determinants, real quadratic forms, eigenvalues and eigenvectors, as well as models and applications of these concepts. Prerequisite: MATH 2413 or the consent of instructor. [Offered as demand requires.] Type: Acad

MATH 2320. Differential Equations. (Core 020) 3:3:0
Introduction to the study of the solution of ordinary differential equations with types of applications in science and engineering. Prerequisite: MATH 2414 or the equivalent of six semester hours of calculus. [Offered as demand requires.] Type: Acad

MATH 2413. Calculus I. (Core 020) 4:4:0
Includes the study of functions, limits, the derivatives and differentials of algebraic functions and transcendental functions with applications; and the definite and indefinite integrals of selected algebraic forms, trig functions,
hyperbolic, exponential, and log functions with applications; and the study of areas and volumes of solids of revolution. Prerequisite: Credit for or concurrent enrollment in Math 1348 or Math 2312 or equivalent. [Offered fall and spring semesters.] Type: Acad

**MATH 2414. Calculus II. (Core 020) 4:4:0**
Includes the differentiation of transcendental functions with application; the integration of algebraic and transcendental functions with applications approximate integration, indeterminate forms, and improper integrals. Prerequisite: MATH 2413. [Offered fall and spring semesters at Sugar Land and spring semester at Wharton.] Type: Acad

**MATH 2415. Calculus III. (Core 020) 4:4:0**
Covers partial differentiation, multiple integration, infinite series, expansion of functions, hyperbolic functions, and an introductory treatment of differential equations. Prerequisite: MATH 2414 or the equivalent of six semester hours of calculus. [Offered fall semester.] Type: Acad

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**MUSIC (MUAP) Applied Music Courses**
Division of Communications and Fine Arts

**MUAP 1120. Applied Music—Woodwind. 1:1/2:0**
Individual lessons in piccolo, flute, oboe, bassoon, and all clarinets and saxophones. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

**MUAP 1145. Applied Music—Brass. 1:1/2:0**
Individual lessons in French horn, trumpet, trombone, euphonium, and tuba. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit. Four and one-half practice hours a week. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

**MUAP 1160. Applied Music—Percussion. 1:1/2:0**
Individual lessons in all primary percussion instruments. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

**MUAP 1165. Applied Music—Organ (Private). 1:1/2:0**
Individual lessons in organ. One-half hour of instruction and four and one-half
practice hours required a week. May be repeated for four semesters for credit. Prerequisites: Music major or consent of department head. Previous keyboard experience required. [Offered fall and spring semesters.] Type: Acad

MUAP 1169. Applied Music—Piano (Private). 1:1/2:0
Individual lessons in piano. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit. Prerequisites: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

MUAP 1181. Applied Music—Voice (Private). 1:1/2:0
Individual lessons in voice. Course may be taken for four semesters for credit. One-half hour of instruction and four and one-half practice hours required a week. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

MUAP 1222. Applied Music—Woodwind. 2:1:0
Individual lessons in flute, oboe, bassoon, clarinet, and saxophone. One hour of instruction and nine practice hours a week. May be repeated for four semesters for credit. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

MUAP 1246. Applied Music—Brass. 2:1:0
Individual lessons in French horn, trumpet, trombone, euphonium, and tuba. May be repeated for four semesters for credit. One hour of instruction and nine practice hours a week. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

MUAP 1260. Applied Music—Percussion. 2:1:0
Individual lessons in percussion instruments. May be repeated for four semesters for credit. One hour of instruction and nine practice hours a week. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

MUAP 1266. Applied Music—Organ (Private). 2:1:0
Individual lessons in organ. May be repeated for four semesters for credit. One hour of instruction and nine practice hours a week. Prerequisites: Music major or consent of department head. Previous keyboard experience required. [Offered fall and spring semesters.] Type: Acad

Individual lessons in piano. One hour of instruction and nine practice hours a week. May be repeated for four semesters for credit. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad
Individual lessons in voice. May be taken for four semesters for credit. One hour of instruction and nine practice hours a week. Prerequisite: Music major or consent of department head. [Offered fall and spring semesters.] Type: Acad

MUSIC (MUEN) Ensemble  
Division of Communications and Fine Arts

MUEN 1125. Ensemble—Jazz Band.  
Emphasis on performing music from all the stylistic periods of jazz. Includes general jazz history and basic jazz improvisation. May be taken for four semesters for credit toward graduation. A standard jazz band instrumentation is chosen each semester by the instructor based on auditions. Prerequisite: Open to any college student who has had experience playing an instrument used in a standard jazz band. Ability to read music notation is essential. [Offered fall and spring semesters.] Type: Acad

MUEN 1127. Ensemble—Pioneer Band.  
Performs concerts and represents the college at parades and special functions. Emphasis on the performance of serious band literature. May be taken for four semesters for credit toward graduation. Chair placement is determined by audition. Prerequisite: Open to any college student who has had at least three years of high-school band experience. [Offered fall and spring semesters.] Type: Acad

MUEN 1132. Ensemble—Piano.  
Designed for the student who plans to transfer and major or minor in piano with emphasis on two pianos, piano four hands, chamber music, and piano accompaniment. Emphasis on sight reading, piano technique, and interpretation of both original and specially arranged compositions for piano ensemble. May be taken four semesters for credit toward graduation. Prerequisite: Consent of instructor. Type: Acad [Offered as demand requires.]

MUEN 1141. Ensemble—WCJC Choir.  
The WCJC Choir is required of all students who plan to major in voice at a four-year institution but is open to all students by auditions. The choir engages in study and performance of choral literature from the Renaissance to the present. Performances consist of various campus programs, for civic organizations, and performances for the public at holidays, etc. May be taken for four semesters for credit toward graduation. Prerequisite: Admission by audition. [Offered fall and spring semesters.] Type: Acad
MUEN 1154. Ensemble Chamber Singers. 1:0:3
Chamber Singers is composed of a select number of singers who have demonstrated a level of skill to successfully perform all styles of music including madrigals, chamber music, vocal jazz, show tunes, and more challenging contemporary chamber music. May be taken for four semesters for credit toward graduation. Prerequisite: Selected by audition with the director. [Offered fall and spring semesters.] Type: Acad

MUSIC (MUSI) Lecture
Division of Communications and Fine Arts

MUSI 1159 (or DRAM 1162). Musical Theater. 1:0:3
Study of and practical experience in the integration of music, acting, and staging through the production of a full-length musical theater presentation. Serves as an opera workshop. May be counted as Music or Drama but not both. May be repeated for a total of two semester hours. Prerequisite: None. [Offered as demand requires.] Type: Acad

MUSI 1181. Class Piano I. 1:0:3
Provides basic knowledge of the nomenclature and function of the instrument through the study of keyboard skills. Includes all major scales, hands separately, harmonization of simple melodies at sight, sight-reading, transposition, and simple repertoire. Prerequisite: Consent of department head. [Offered fall and spring semesters. Required for Music majors and open to students as space is available.] Type: Acad

MUSI 1182. Class Piano II. 1:0:3
Includes all major scales, two octaves, harmonic minor scales, harmonization of simple melodies at sight, sight-reading, transposition, and repertoire. The second course is a continuation with increasing difficulty of the skills studied in MUSI 1181. A minimum of three hours practice a week. Prerequisite: Grade of C or better in MUSI 1181. [Offered fall and spring semesters.] Type: Acad

MUSI 1183. Class Voice. 1:1:1
Class instruction in the fundamentals of correct breathing, tone production, and diction. Laboratory course designed for students with little or no previous voice training. May be taken two semesters for credit. Minimum of three practice hours a week. Prerequisite: None. [Offered as demand requires.] Type: Acad

MUSI 1211. Music Theory I. 2:3:0
Introduction to the fundamental materials of music. Includes a review of music fundamentals, the tonic, dominant, subdominant and leading tone triads, the triad in inversion, and the C clefs. Music majors should enroll in piano class as
part of their theory instruction. Extensive use of the computer. Prerequisites: Satisfactory score on Music Placement Test or grade of C or better in MUSI 1301. Concurrent enrollment in MUSI 1216. [Offered fall semester.] Type: Acad

MUSI 1212. Music Theory II.  2:3:0
Continuation of MUSI 1211, expanding the tétartional vocabulary to include all diatonic triads and secondary dominants, non-harmonic tones, diatonic seventh chords, and elementary modulation. Includes binary and ternary forms. Music majors should enroll in piano class as part of their theory instruction. Extensive use of the computer. Prerequisites: Grade of C or better in MUSI 1211 and 1216 and concurrent registration in MUSI 1217. [Offered spring semester.] Type: Acad

MUSI 1216. Sight Singing and Ear Training I.  2:3:0
Development of aural skills through readings and dictation coordinated with materials in MUSI 1211, Elementary Harmony I. Extensive use of computer in aural skill development. Prerequisite: Concurrent enrollment in MUSI 1211. [Offered fall semester.] Type: Acad

MUSI 1217. Sight Singing and Ear Training II.  2:3:0
Continued development of aural skills coordinated with MUSI 1212, Elementary Harmony II. Extensive use of computer in aural skill development. Prerequisite: Concurrent enrollment in MUSI 1212. [Offered spring semester.] Type: Acad

MUSI 1300. Foundations of Music.  3:3:0
Study of the basic fundamentals of music with an introduction to melodic, rhythmic, and harmonic instruments. Designed for elementary education majors, other non-music majors, and music majors who require a review of the essentials of music notation. Prerequisite: THEA reading requirement met or concurrent enrollment in READ 0307. [Offered fall and spring semesters, summer I and summer II.] Type: Acad

MUSI 1301. Fundamentals of Music.  3:3:0
For music majors who have had little or no theory in high school. Course work includes staff, clefs, scales, key signatures, triads, meter and rhythm, application of theory at the keyboard, and aural skill development. Computer programs to supplement course work is required. Prerequisite: Consent of department head. [Offered spring semester and summer II.] Type: Acad

MUSI 1306. Music Appreciation. (Core 050)  3:3:0
Provides a foundation for the enjoyment of music through the use of recorded and live music. Three outside listening hours a week. Prerequisite: THEA reading requirement met. [Offered fall and spring semesters.] Type: Acad
MUSI 1308. Survey of Music Literature I. (Core 050) 3:3:0
Detailed survey of the principal forms, periods, and composers of music presented in lectures with laboratory listening periods. Includes Antiquity and the Medieval, Renaissance, Baroque and Classical style periods. Prerequisite: Consent of instructor. THEA reading and writing requirements met. [Required for music major or minor] [Offered fall semester.] Type: Acad

MUSI 1309. Survey of Music Literature II. (Core 050) 3:3:0
Continuation of MUSI 1308. Three outside listening hours a week. Includes the Romantic and Contemporary style periods. Prerequisites: THEA reading and writing requirements met and MUSI 1308 or consent of the instructor. [Offered spring semester.] Type: Acad

MUSI 1310. American Music. (Core 050) 3:3:0
Detailed survey of American music from the 1890s to the present. Includes ragtime, jazz, Broadway musical theater, rock, and folk music. Two outside listening hours per week. Prerequisite: THEA reading requirement met. [Offered fall and spring semesters.] Type: Acad

MUSI 2181. Class Piano III. 1:0:3
Continuation, with increased difficulty, of the development of keyboard skills begun in the freshman courses (MUSI 1181 and 1182). Includes all major and three minor scales, triad inversions and cadences in three positions, harmonization of melodies, sight-reading, transposition, and repertoire. Prerequisite: Grade of C or better in MUSI 1182. [Offered fall and spring semesters.] Type: Acad

MUSI 2182. Class Piano IV. 1:0:3
Continuation, with increased difficulty, of the development of keyboard skills begun in the freshman courses (MUSI 1181 and 1182), and continued with MUSI 2181. Includes scales, harmonization of melodies, sight-reading, transposition, and repertoire. Prerequisite: Grade of C or better in MUSI 2181. [Offered fall and spring semesters.] Type: Acad

MUSI 2211. Music Theory III. 2:3:0
Expansion of the study of the harmonic materials of tonal music including all diatonic and chromatic resources and their application to creative projects. Includes formal procedures such as the rondo, fugue, and sonata-allegro. Extensive use of the computer. Prerequisites: Grade of C or better in MUSI 1212 and MUSI 1217. Concurrent registration in MUSI 2216. [Offered fall semester.] Type: Acad

MUSI 2212. Music Theory IV. 2:3:0
Continuation of MUSI 2211 including an introduction to techniques of the late
19th and 20th centuries. Extensive use of the computer. Prerequisites: Grade of C or better in MUSI 2211 and MUSI 2216 recommended. Concurrent registration in MUSI 2217. [Offered spring semester.] Type: Acad

MUSI 2216. Sight Singing and Ear Training III. 2:3:0
Development of aural skills coordinated with MUSI 2211. Extensive use of computer in aural skill development. Prerequisite: Concurrent enrollment in MUSI 2211. [Offered fall semester.] Type: Acad

MUSI 2217. Sight Singing and Ear Training IV. 2:3:0
Development of aural skills coordinated with MUSI 2212. Extensive use of computer in aural skill development. Prerequisite: Concurrent enrollment in MUSI 2212 recommended. [Offered spring semester.] Type: Acad

NUCLEAR POWER TECHNOLOGY (NUCP)
Division of Vocational Science

CETT 1409. DC/AC Circuits. 4:3:3
Fundamentals of DC circuits and AC circuits operation including Ohm’s law, Kirchhoff’s laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques. Prerequisites: Concurrent enrollment or credit for MATH 1314. Type: Tech

ELPT 1370. Intro to Power Technology. 3:3:0
This course provides an introduction to the major systems and components that make up a modern power plant. The student will be introduced to the equipment and operating systems used to generate electric power from a variety of energy sources. Special attention will be given to practical application of the principles of mathematics and physics used in the plant environment. Prerequisites: Satisfactory completion of the THEA math requirements. Type: Tech

NUCP 1370. Nuclear Fundamentals I. 3:3:0
Introduces the student to theory and systems that are foundational to nuclear power plants. Theory topics include nuclear physics, nuclear fission, neutron life cycle and properties of materials used in nuclear plants. Basic overview of specific systems associated with the primary side of a nuclear power plant is included. Prerequisite: ELPT 1370 or PTAC 1302 Type: Tech

NUCP 1471. Nuclear Fundamentals II. 4:4:0
This second part introduces basic concepts associated with power plants and overviews of specific systems associated with the secondary side of a nuclear power plant. Includes studies on fluid flow, heat transfer, lubrication, diesel engines, pipe supports, heating and ventilation, valve operations, filters and
strainers, pumps, air compressors, heat exchangers and steam traps. Most of this course is general in nature to all power plants but some aspects are specific to nuclear power plants like radiation detection, radioactive waste and fuel handling systems. Prerequisite: ELPT 1370 or PTAC 1302 Type: Tech

**NUCP 2470. Nuclear Power Plant Systems I.**  
Study of components and systems used in nuclear power plants and their relationship to protecting the reactor core. Topics include valve packing and gland adjustment, electrical safety, electrical switchgear components, procedures, acid and caustic transfer, various cooling water systems, steam systems, electrical distribution and more. Includes lab. Prerequisite: ELPT 1370. Type: Tech

**NUCP 2471. Nuclear Power Plant Systems II.**  
Study of systems used in nuclear power plants and their association with the reactor core. Included is instruction on plant lighting, various cooling water systems, diesel generators, freeze protection, chemical and oily waste and more. Also includes instruction on some safety related nuclear power plant systems. Includes lab. Prerequisite: NUCP 1370 and NUCP 1471. Type: Tech

**NUCP 1472. Nuclear Power Plant Organization and Processes.**  
Introduces worker responsibilities specific to nuclear power plants including nuclear security, quality assurance, foreign material exclusion, radiation protection, emergency response, plant access, equipment lock out for maintenance, human performance tools and significant industry events. Includes lab. Prerequisite: None. Type: Tech

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**NURSING (RNSG)**  
Division of Allied Health

**RNSG 1161. Clinical-Nursing (RN training).**  
A method of instruction providing detailed education, training and work-based experience and direct patient/client care, at a clinical site. The clinical experience is designed to allow the learner to integrate the skills and knowledge being developed in RNSG 1327. Prerequisite: Admission to the LVN-ADN Transition Program. Corequisite: RNSG 1327 [Offered summer I semester.] Type: Tech

**RNSG 1205. Nursing Skills I.**  
Study of the concepts and principles essential for demonstrating competence in the performance of nursing procedures. Topics include knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: Admission to the Associate Degree Nursing Program. Corequisites: RNSG
1260, RNSG 1513 and RNSG 1301. [Offered fall semester.] Type: Tech

**RNSG 1260. Clinical-Nursing (RN training).** 2:0:6
A method of instruction providing detailed education, training and work-based experience and direct patient/client care, at a clinical site. The clinical experience is designed to allow the learner to integrate the skills and knowledge being developed in RNSG 1513 and RNSG 1205. Prerequisite: Admission to the Associate Degree Nursing Program. Corequisite: RNSG 1205, RNSG 1513 and RNSG 1301. [Offered fall semester.] Type: Tech

**RNSG 1251. Care of the Childbearing Family.** 2:2:0
Study of concepts related to the provision of nursing care for childbearing families. Topics may include selected complications. Topics include knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213 and RNSG 2161 with a grade of C or better. Corequisite: RNSG 2262 [Offered fall semester.] Type: Tech

**RNSG 1301. Pharmacology.** 3:3:0
Introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Topics include the roles and responsibilities of the nurse in safe administration of medications within a legal/ethical framework. Prerequisite: Admission to the Associate Degree Nursing Program or director’s approval. Corequisites: RNSG 1260, RNSG 1513, and RNSG 1205. [Offered fall semester.] Type: Tech

**RNSG 1327. Transition from Vocational to Professional Nursing.** 3:2:1
Topics include health promotion, expanded assessment, analysis of data, nursing process, pharmacology, multidisciplinary teamwork, communication, and applicable competencies in knowledge, judgment, skills, and professional values within a legal/ethical framework throughout the lifespan. Prerequisite: Admission to LVN-ADN Transition Program. Corequisite: RNSG 1161 [Offered summer I semester.] Type: Tech

**RNSG 1343. Complex Concepts of Adult Health.** 3:3:0
Integration of previous knowledge and skills related to common adult health needs into the continued development of the professional nurse as a provider of care, coordinator of care, and member of a profession in the care of adult clients/families in structured health care settings with complex medical-surgical health care needs associated with each body system. Emphasis on knowledge, judgments, skills, and professional values within a legal/ethical framework. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213, RNSG 2161, RNSG 1251, RNSG 2262, RNSG
2201 and RNSG 2263 with a grade of “C” or better. Corequisites: RNSG 2231 and RNSG 2463. [Offered spring semester.] Type: Tech

RNSG 1441. Common Concepts of Adult Health. 4:4:0
Study of the general principles of caring for selected adult clients and families in structured settings with common medical-surgical health care needs related to each body system. Emphasis on knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisite: RNSG 1260, RNSG 1205, RNSG 1513, and RNSG 1301 with a grade of “C” or better. Corequisite: RNSG 1461 [Offered spring semester.] Type: Tech

RNSG 1461. Clinical-Nursing (RN training). 4:0:12
A method of instruction providing detailed education, training, and work-based experience and direct patient/client care at a clinical site. The clinical experience is designed to allow the learner to integrate the skills and knowledge being developed in RNSG 1441. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, and RNSG 1301 with a grade of “C” or better. Corequisite: RNSG 1441 [Offered spring semester.] Type: Tech

RNSG 1513. Foundations for Nursing Practice. 5:4:2
Introduction to the role of the professional nurse as provider of care, coordinator of care, and member of a profession. Topics include but are not limited to the fundamental concepts of nursing practice, history of professional nursing, a systematic framework for decision-making, mechanisms of disease, the needs and problems that nurses help patients manage, and basic psychomotor skills. Emphasis on knowledge, judgment, skills and professional values within a legal/ethical framework. Prerequisite: Admission to the Associate Degree Nursing Program. Corequisites: RNSG 1260, RNSG 1205 and RNSG 1301. [Offered fall semester.] Type: Tech

RNSG 2161. Clinical-Nursing (RN training). 1:0:3
A method of instruction providing detailed education, training, and work-based experience and direct patient/client care at a clinical site. The clinical experience is designed to allow the learner to integrate the skills and knowledge being developed in RNSG 2213. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, and RNSG 1461 with a grade of “C” or better. Corequisite: RNSG 2213 [Offered Summer II semester.] Type: Tech

RNSG 2201. Care of Children and Families. 2:2:0
Study of concepts related to the provision of nursing care for children and their families, emphasizing judgment, and values within a legal/ethical framework. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213 and RNSG 2161, RNSG 1251 and RNSG 2262 with a grade of “C” or better. Corequisite: RNSG 2263 [Offered fall semester.]
RNSG 2207. Transition to Nursing Practice. 2:2:0
Introduction to selected concepts related to the role of the associate degree nurse as a provider of care, coordinator of care, and member of the profession. Review of trends and issues impacting nursing and health care today and in the future. Topics include knowledge, judgment, skill, and professional values within a legal/ethical framework. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213, RNSG 2161, RNSG 1251, RNSG 2262, RNSG 2201 and RNSG 2263 with a grade of “C” or better. Corequisites: RNSG 1343, RNSG 2231 and RNSG 2463. [Offered spring semester.] Type: Tech

RNSG 2213. Mental Health Nursing. 2:2:0
Principles and concepts of mental health, psychopathology, and treatment modalities related to the nursing care of clients and their families. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, and RNSG 1461 with a grade of “C” or better. Corequisite: 2161 [Offered Summer II semester.] Type: Tech

RNSG 2231. Advanced Concepts of Adult Health. 2:2:0
Application of advanced concepts and skills for the development of the professional nurse’s roles in complex nursing situations with adult clients/families with complex health needs involving multiple body systems in intermediate and critical care settings. Emphasis on knowledge, judgment, skills, and professional values within a legal/ethical framework. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213, RNSG 2161, RNSG 1251, RNSG 2201, and RNSG 2263 with a grade of “C” or better. Corequisites: RNSG 1343 and RNSG 2463. [Offered spring semester.] Type: Tech

RNSG 2262. Clinical-Nursing (RN training). 2:0:6
A method of instruction providing detailed education, training, and work-based experience and direct patient/client care at a clinical site. The clinical experience is designed to allow the learner to integrate the skills and knowledge being developed in RNSG 1251. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213 and RNSG 2161 with a grade of “C” or better. Corequisite: RNSG 1251 [Offered fall semester.] Type: Tech

RNSG 2263. Clinical-Nursing (RN training). 2:0:6
A method of instruction providing detailed education, training, and work-based experience and direct patient/client care at various clinical sites. The clinical experience is designed to allow the learner to integrate the skills and knowledge
being developed in RNSG 2201. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213, RNSG 2161, RNSG 1251, and RNSG 2262 with a grade of “C” or better. Corequisite: RNSG 2201 [Offered fall semester.] Type: Tech

**RNSG 2463. Clinical-Nursing (RN training).** 4:0:12
A method of instruction providing detailed education, training, and work-based experience and direct patient/client care at various sites. The clinical experience is designed to allow the learner to integrate the skills and knowledge being developed in RNSG 2231 and RNSG 1343. Prerequisites: RNSG 1260, RNSG 1205, RNSG 1513, RNSG 1301, RNSG 1441, RNSG 1461, RNSG 2213, RNSG 2161, RNSG 1251, RNSG 2262, RNSG 2201 and RNSG 2263 with a grade of “C” or better. Corequisites: RNSG 1343 and RNSG 2231. [Offered spring semester.] Type: Tech

**OFFICE ADMINISTRATION**
**Division of Technology and Business**

**ACNT 1303. Introduction to Accounting I.** 3:2:2
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. Prerequisite: None. [Offered fall semester.] Type: Tech

**ACNT 1311. Introduction to Computerized Accounting.** 3:2:2
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. Prerequisites: ACNT 1303 or ACCT 2401. [Offered spring semester.] Type: Tech

**MRKG 1301. Customer Relations.** 3:3:0
General principles of customer service including skills, knowledge, attitudes, and behaviors. This course also includes job-seeking skills. Prerequisite: None. [Offered fall semester.] Type: Tech

**PBAD 2339. Human Resource Management.** 3:3:0
Examination of human resource management in the public sector with an emphasis on civil service, merit systems, and labor law. Topics include recruiting, selecting, training, compensating, and appraising employees. Prerequisite: THEA reading requirements met. [Offered spring semester.] Type: Tech
POFI 1349. Spreadsheets. 3:2:2
In-depth coverage in the use of a spreadsheet software focusing on business applications. Prerequisite: None. [Offered spring semester.] Type: Tech

POFI 2301. Word Processing. 3:2:2
In-depth coverage of word processing software focusing on business applications. Prerequisites: Keyboarding skills and THEA reading requirements met. [Offered fall semester.] Type: Tech

POFI 2331. Desktop Publishing. 3:2:2
In-depth coverage of desktop publishing terminology, text editing, and use of design principles. Emphasis on layout techniques, graphics, multiple page displays, and business applications. Prerequisite: Proficiency in word processing software. [Offered spring semester.] Type: Tech

POFI 1227. Introduction to Keyboarding. 2:1:2
Skill development in keyboarding techniques. Emphasis on the development of acceptable speed and accuracy. Prerequisite: None. [Offered fall semester.] Type: Tech

POFI 1301. Business English. 3:3:0
Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business. Prerequisite: THEA reading requirements met. [Offered fall semester.] Type: Tech

POFT 1309. Administrative Office Procedures I. 3:3:0
Study of current office procedures, duties, and responsibilities applicable to an office environment. Prerequisite: None. [Offered fall semester.] Type: Tech

POFT 1313. Professional Workforce. 3:2:2
Preparation for career success including ethics, interpersonal relations, professional attire, and advancement. Prerequisite: POFT 1309. [Offered spring semester.] Type: Tech (Capstone course)

POFT 1321. Business Math. 3:3:0
Fundamentals of business mathematics including analytical and critical thinking skills. Prerequisite: None. [Offered spring semester.] Type: Tech

PARALEGAL STUDIES (LGLA)
Division of Technology and Business

LGLA 1303. Legal Research. 3:3:0
Law library techniques and computer assisted legal research. Prerequisite:
None. [Offered fall semester only.] Type: Tech

**LGLA 1305. Legal Writing.**  
3:3:0  
This course presents the fundamentals of legal writing techniques. Topics include case and fact analysis, citation formats, and legal writing styles. Prerequisite: None. [Offered fall semester only.] Type: Tech

**LGLA 1313. Introduction to Paralegal Studies.**  
3:3:0  
This course provides an overview of the paralegal profession including ethical obligations, professional regulation, trends and issues, and the paralegal’s role in assisting the delivery of legal services. Prerequisite: None. [Offered fall and spring semesters.] Type: Tech

**LGLA 1345. Civil Litigation.**  
3:3:0  
This course presents fundamental concepts and procedures of civil litigation with emphasis on the paralegal’s role. Topics include pretrial, trial, and post trial phases of litigation. Prerequisite: None. [Offered spring semester only.] Type: Tech

**LGLA 1351. Contracts.**  
3:3:0  
This course presents fundamental concepts of contract law with emphasis on the paralegal’s role. Topics include formation, performance, and enforcement of contracts under the common law and the Uniform Commercial Code of the law of wills, trusts, and probate administration with emphasis on the paralegal’s role. Prerequisite: None. [Offered spring semester only.] Type: Tech

**LGLA 1353. Wills, Trusts, and Probate Administration.**  
3:3:0  
This course presents fundamental concepts of the law of wills, trusts, and probate administration with emphasis on the paralegal’s role. Prerequisite: None. [Offered fall semester only.] Type: Tech

**LGLA 1355. Family Law.**  
3:3:0  
This course presents fundamental concepts of family law with emphasis on the paralegal’s role. Topics include formal and informal marriages, divorce, annulment, marital property, and the parent-child relationship. Prerequisite: None. [Offered fall semester only.] Type: Tech

**LGLA 2307. Law Office Management.**  
3:3:0  
This course presents the fundamentals of principles and structure of management, administration, and substantive systems in the law office including law practice technology as applied to paralegals. Prerequisite: None. [Offered fall semester only] Type: Tech

**LGLA 2309. Real Property.**  
3:3:0  
This course presents fundamental concepts of real property law with emphasis
on the paralegal’s role. Topics include the nature of real property, rights and duties of ownership, land use, voluntary and involuntary conveyances, and the recording of and searching for real estate documents. Prerequisite: None. [Offered spring semester only.] Type: Tech

LGLA 2313. Criminal Law and Procedures. 3:3:0
This course presents the fundamental concepts of criminal law from arrest to final disposition, principles of federal and state law, and the role of the paralegal in the preparation of the pleadings and motions. Prerequisite: None. [Offered spring semester only.] Type: Tech

LGLA 2388. Internship—Paralegal/Legal Assistant. 3:1:10
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. Prerequisite: Successful completion of at least 21 hours of Paralegal Studies Courses. [Offered fall, spring, and summer.] Type: Tech

PHILOSOPHY (PHIL)
Division of Communication and Fine Arts

PHIL 1301. Introduction to Philosophy I. (Core 040) 3:3:0
Introduction to the study of ideas and their logical structure, including arguments and investigations about abstract and real phenomena. Includes instruction to the history, theories, and methods of reasoning. Prerequisite: Concurrent enrollment in or completion of ENGL 1301. [Offered fall, spring and summer semesters.] Type: Acad

PHYSICAL THERAPIST ASSISTANT (PTHA)
Division of Allied Health

PTHA 1321. Pathophysiology. 3:3:0
Study of the pathophysiology of diseases/conditions commonly encountered in physical therapy. Prerequisites: BIOL 2401, BIOL 2402, PTHA 2205, and PTHA 1360. [Offered fall semester to second year PTA students.] Type: Tech

PTHA 1360. Clinical-Physical Therapist Assistant I. 3:0:15
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisites: PTHA 2205. [Offered summer II session to first year PTA students.] Type: Tech

PTHA 1409. Introduction to Physical Therapy. 4:3:4
Introduction to the profession of physical therapy and the role of the physical therapist assistant. Includes the application of basic patient handling, functional
skills, communication, and selected data collection techniques. Prerequisite: Admission to the PTA program. [Offered fall semester to first year PTA students.] Type: Tech

**PTHA 1413. Functional Anatomy.** 4:3:4
The relationship of the musculoskeletal and neuromuscular systems to normal and abnormal movement. Prerequisite: Admission to the PTA program. [Offered fall semester to first year PTA students.] Type: Tech

**PTHA 1531. Physical Agents.** 5:4:4
Biophysical principles, physiological effects, intervention efficacy and application of physical agents. Prerequisites: PTHA 1409 and PTHA 1413. [Offered spring semester to first year PTA students.] Type: Tech

**PTHA 2201. Essentials of Data Collection.** 2:1:4
Data collection techniques used to prepare the physical therapist assistant to assist in patient/client management. Prerequisites: PTHA 1409, and PTHA 1413. [Offered spring semester to first year PTA students.] Type: Tech

**PTHA 2205. Neurology.** 2:2:0
Study of neuroanatomy and neurophysiology as it relates to commonly encountered neurological conditions. Prerequisite: PTHA 1531, PTHA 2201 and PTHA 2409. [Offered summer I session to first year PTA students.] Type: Tech

**PTHA 2339. Professional Issues.** 3:3:0
A capstone course which engages the student in the discussion of professional issues and behaviors related to clinical practice and which prepares the student for transition into the workforce. Prerequisites: PTHA 1321, PTHA 2431, and PTHA 2435. [Offered spring semester to second year PTA students.] Type: Tech

**PTHA 2360. Clinical-Physical Therapist Assistant II.** 3:0:15
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisites: PTHA 1360, PTHA 1321, PTHA 2205, PTHA 2431 and PTHA 2435. [Offered spring semester to second year PTA students.] Type: Tech

**PTHA 2409. Therapeutic Exercise.** 4:3:4
Concepts, principles, and application of techniques related to therapeutic exercise and functional training. Prerequisites: PTHA 1413, and PTHA 1409. [Offered spring semester to first year PTA students.] Type: Tech
PTHA 2431. Management of Neurological Disorders. 4:3:4
Advanced course integrating previously learned and new skills/techniques into the comprehensive rehabilitation of selected neurological disorders. Prerequisites: PTHA 1360 and PTHA 2205. [Offered fall semester to second year PTA students.] Type: Tech

PTHA 2435. Rehabilitation Techniques. 4:3:4
Advanced course integrating previously learned and new skills/techniques into the comprehensive rehabilitation of selected musculoskeletal, neuromuscular, cardiopulmonary, and integumentary disorders. Prerequisites: PTHA 1360 and PTHA 2205. [Offered fall semester to second year PTA students.] Type: Tech

PTHA 2460. Clinical-Physical Therapist Assistant III. 4:0:15
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Prerequisite: PTHA 2360. [Offered spring semester to second year PTA students.] Type: Tech

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PHYSICS (PHYS)
Division of Math and Physical Science

PHYS 1401. General Physics I: Mechanics and Heat and Sound. 4:3:2
For students whose career goals are related to medical fields (pre-med, pre-vet, pre-dent, etc.), pharmacy, biology, chemistry, geology, any applied technology, science education, and other areas of study requiring an understanding of elementary physical principles. Topics include Newtonian mechanics, forces, statics, the laws of motion, gravity, energy, momentum, temperature, specific heat, heat exchange, simple harmonic motion, wave motion, and sound. Prerequisite: Credit for or concurrent enrollment in MATH 1316 or consent of the department head. Type: Acad

PHYS 1402. General Physics II: Electricity, Magnetism, Optics, and Modern Physics. (Core 030) 4:3:2
Continuation of PHYS 1401. Includes electric charge, electric field and potential, DC circuits, magnetism, electromagnetic induction, AC circuits, optics, optical instruments, relativity, the solid state, atomic and nuclear physics, elementary particles. Prerequisite: PHYS 1401 or consent of the department head. Type: Acad

PHYS 2425. Engineering Physics I: Mechanics, Heat and Sound. 4:4:2
Intended primarily for students of engineering, physics, chemistry, and
mathematics. This calculus-based course covers measurement, motion in a straight line, vectors, motion in a plane, forces and motion, work and energy, conservation of energy, systems of particles, collisions, rotational motion, torque and angular momentum, equilibrium and elasticity, oscillations, gravity, fluids, waves, temperature, first and second Laws of Thermodynamics, kinetic theory of gases. The course provides part of the background necessary for higher level study, particularly in Physics and Engineering. Students who have not had high school physics should consider taking PHYS 1401 prior to enrolling in PHYS 2425. Prerequisite: Credit for or concurrent enrollment in MATH 2414 or consent of the department head. Type: Acad

**PHYS 2426. Engineering Physics II: Electricity, Magnetism and Optics.**
(Core 030) 4:4:2
Intended for engineering, physics, chemistry, and mathematics students, this calculus-based course includes electrostatic force, field and potential, electrical current, DC circuits, magnetic field, electromagnetic induction and applications, AC circuits, properties of matter, ray and wave optics. The course provides part of the background necessary for higher level study, particularly in Physics and Engineering. Prerequisites: MATH 2414 and PHYS 2425 or consent of the department head. Type: Acad

**PROCESS TECHNOLOGY (PTAC)**

**Division of Vocational Science**

**BMGT 2347. Critical Thinking & Problem Solving.** 3:3:0
Interpreting and evaluating data toward effective problem solving and recommending corrective action is the focal point of this course. Students will be exposed to a structured approach to critical thinking and problem solving in a team environment. Prerequisite: THEA reading, writing, and math requirements met. [Offered fall and spring semester.] Type: Tech

**CTEC 1380 Co-operative Education I – Technician** 3:1:20
Process Technician career-related activities encountered by the student through an individualized agreement among the college, employer (who must be an active partner of the WCJC PTAC program), and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Class time will focus on work related topics such as safety, self-initiative, goal setting, time management, leadership, communication, team skills, and continuous improvement. Students may register in only one co-op class per semester. It is strongly suggested that students be in their last semester of the program and approval, is by both the employer (offering the Co-Op) and the Department Head of PTAC. The employer will usually select from second year students who have completed at least 30 semester hours toward the PTAC
degree and have satisfactorily completed the company’s tests and interviews. The student will work at the facility during day, averaging at least 20 hours per week and being paid a commensurate rate (approximately 30% of entry level). The course, if completed with a passing grade, may be substituted for PTAC 2438 Process Technology III – Operations (CC). If the student does not pass the course, he/she cannot repeat it for credit (as it is only offered one time during the program and involves a signed contract between the student and the participating program partner –defined as the Co-Op); but instead must take and pass PTAC 2438 in order to graduate. Prerequisites/Co-requisites: Approval to enter the course by Co-Op Employer (active program partner), completion of at least 30 hours toward PTAC degree; including completion of PTAC 1302, PTAC 1308, PTAC 2420 with a grade of “C” or better and PTAC 1432. [Offered fall and spring semester.] Type: Tech (Capstone Course)

FIRT 1315. Hazardous Materials. 3:3:0
Study of the chemical characteristics and behavior of various materials. Topics include storage, transportation, handling hazardous emergency situations, and the most effective methods of hazard mitigation. Prerequisite: THEA reading, writing, and math requirements met. [Offered fall and spring semester.] Type: Tech

PTAC 1302. Intro to Process Technology. 3:3:0
Introduction to chemical and refinery plant operations. Topics include process technician duties, responsibilities and expectations; plant organizations; plant process and utility systems; and the physical and mental requirements of the process technician. Prerequisite: THEA reading, writing, and math requirements met. [Offered fall and spring semesters.] Type: Tech

PTAC 1308. Safety, Health & Environment. 3:3:0
Development of knowledge and skills to reinforce the attitudes and behaviors required for safe and environmentally sound work habits. Emphasis on safety, health, and environmental issues in the performance of all job tasks and regulatory compliance issues. Prerequisite: THEA reading, writing, and math requirements met. [Offered fall and spring semesters.] Type: Tech

PTAC 1410. Process Technology I - Equipment. 4:3:2
Instruction in the use of common process equipment. Students will learn to use appropriate terminology to describe components of process equipment; describe basic functions of process equipment; and relate scientific principles associated with process equipment. Prerequisite: THEA reading, writing, and math requirements met. [Offered fall and spring semester.] Type: Tech

PTAC 1432. Instrumentation I. 4:4:1
Study of the instruments and instrument systems used in the chemical processing
industry including terminology, primary variables, symbology, control loops, and basic troubleshooting. Prerequisite: THEA reading, writing, and math requirements met. [Offered fall and spring semester] Type: Tech

**PTAC 1454. Petrochemical Processes**  
4:3:2  
This course will examine some of the major types of process units in chemical and refining industries, and the generic procedures for startups, shutdowns, normal and abnormal operations for these units. Processes covered will include polyethylene (loop, cstr and fixed bed), hydrogen reforming, syn gas reforming, crude distillation, catalytic cracking (FCCU), olefin (specifically ethylene) production, hydrotreating/desulfurization (HT/HDS and CCR), mercaptin treating and sulfur recovery units. Prerequisites/Co-requisites: PTAC 2420 with a grade of “C” or better. [Offered fall and spring.] Type: Tech

**PTAC 2314. Quality.**  
3:3:0  
Study of the background and application of quality concepts. Topics include team skills, quality tools, and economics, and continuous improvement. Prerequisite: THEA reading, writing and math requirements met. [Offered fall and spring semester.] Type: Tech

**PTAC 2420. Process Technology II - Systems.**  
4:3:2  
Study of the interrelation of process equipment and process systems including related scientific principles. Prerequisites: PTAC 1302 and CHEM 1405. [Offered fall and spring semesters.] Type: Tech

**PTAC 2436. Instrumentation II.**  
4:3:2  
Continued study of coverage of the varied instruments and instrument systems used in the chemical processing industry including terminology, primary variables symbology, control loops, and basic troubleshooting. Prerequisite: PTAC 1432. [Offered fall and spring semester.] Type: Tech

**PTAC 2438. Process Technology III - Operations.**  
4:3:2  
This course combines systems into operational process with emphasis on operations under various conditions. Topics include typical duties of an operator. Prerequisites: PTAC 2420 with a grade of “C” or better. [Offered fall and spring semester.] Type: Tech (Capstone Course)

**PTAC 2446 Process Troubleshooting.**  
4:3:2  
Instruction in the different types of troubleshooting techniques, procedures, and methods used to solve process problems. Topics include application of data collection and analysis, cause-effect relationships, and reasoning. Prerequisites: PTAC 2420 with a grade of “C” or better. [Offered fall and spring semester.] Type: Tech (Capstone Course)
PSYCHOLOGY (PSYC)  
Division of Social and Behavioral Science

PSYC 1300. Learning Framework. 3:3:0
Learning Framework is the study and application of research and theory underlying strategies for success in college and beyond. The main competencies and skills addressed in Learning Framework are critical thinking, oral communication skills, written communication skills, strategic research and note taking, time management, wellness factors that impact learning, and attitudes/values regarding the educational process. Students will gain knowledge of and utilize the available services, support, and resources at the college in order to become successful learners at the college level.
Prerequisites: THEA reading requirement met or concurrent enrollment in READ 0307. Type: Acad

PSYC 2301. Introduction to General Psychology. (Core 080) 3:3:0
Major topics in the science of mind and behavior, such as personality, emotions, thinking and learning, reasons for behavior, abnormal behavior and its treatment, and how psychology can improve people's lives. Prerequisite: THEA reading and writing requirements met. [Offered fall, spring, summer I and summer II semesters; also offered as Internet course.] Type: Acad

PSYC 2306 (or SOCI 2306). Human Sexuality. (Core 080) 3:3:0
Psychological and physiological examination of the human sexual experience from conception through old age. Topics include practical aspects of human sexuality, sexual attitudes, sexual problems, and marriage. Prerequisite: THEA reading and writing requirements met. Type: Acad

PSYC 2314. Life Span Growth and Development. (Core 080) 3:3:0
A life-span approach to the study of common processes and major influences in human development, integrating input from psychology and other behavioral and natural sciences. Prerequisite: THEA reading and writing requirements met. (Recommended for Nursing and Allied Health students.) Type: Acad

PSYC 2315. Psychology of Adjustment. (Core 080) 3:3:0
Processes involved in the adjustment of individuals to their personal and social environments. Special emphasis on developing understanding and skills in the areas of stress and its management, interpersonal relations, the nature and achievement of adult maturity, and psychological and physical well-being. Prerequisite: THEA reading requirement met or concurrent enrollment in a developmental reading course required. Type: Acad

PSYC 2316. Psychology of Personality. 3:3:0
An examination of the major personality theories and ideas within the field of psychology. May include, but not limited to, psychoanalytic, Neo-Freudian,
cognitive, behavioral, sociocultural, and humanistic perspectives as well as insight into personality determinants and methods of personality assessment. Prerequisite: THEA reading requirement met; PSYC 2301 and PSYC 2314 recommended. Type: Acad

PSYC 2319 (or SOCI 2326). Social Psychology. 3:3:0
Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. Cross-listed as SOCI 2326. Prerequisites: THEA reading and writing requirements met; SOCI 1301, PSYC 2301, or PSYC 2315 recommended. Type: Acad

RADIOLOGIC TECHNOLOGY (RADR)
Division of Allied Health

RADR 1201. Introduction to Radiography. 2:2:0
An overview of the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the program and the health care system. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech

RADR 1266. Practicum I. 2:0:20
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program [Offered spring semester.] Type: Tech

RADR 1303. Patient Care. 3:2:2
An introduction in patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology. Prerequisite: Acceptance to Radiologic Technology Program [Offered fall semester.] Type: Tech

RADR 1313. Principles of Radiographic Imaging I. 3:2:4
Radiographic image quality and the effects of exposure variables. Prerequisite: Acceptance to Radiologic Technology Program [Offered spring semester.] Type: Tech

RADR 1367. Practicum II. 3:0:32
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance
to Radiologic Technology Program [Offered summer I and summer II semesters (combined).] Type: Tech

**RADR 1371. Enhanced Skills.** 3:3:0
This course is designed to teach the student to adjust routine exams to accommodate special circumstances encountered with trauma patients and adjust for special needs of geriatric and pediatric patients. Prerequisite: Acceptance to Radiologic Technology Program [Offered spring semester.] Type: Tech

**RADR 1411. Basic Radiographic Procedures.** 4:3:4
An introduction to radiographic positioning terminology, the proper manipulation of equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of basic anatomy. Prerequisite: Acceptance to Radiologic Technology Program [Offered fall semester.] Type: Tech

**RADR 2217. Radiographic Pathology.** 2:2:0
Disease processes and their appearance on radiographic images. Prerequisite: Acceptance to Radiologic Technology Program [Offered fall semester.] Type: Tech

**RADR 2266. Practicum III.** 2:0:20
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program [Offered summer I and summer II semesters (combined).] Type: Tech

**RADR 2267. Practicum IV.** 2:0:20
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program [Offered spring semester.] Type: Tech

**RADR 2305. Principles of Radiographic Imaging II.** 3:2:4
Radiographic imaging technique formulation. Includes equipment quality control, image quality assurance, and the synthesis of all variables in image production. Prerequisite: Acceptance to Radiologic Technology Program [Offered summer I and summer II semesters (combined).] Type: Tech

**RADR 2309. Radiographic Imaging Equipment.** 3:2:3
Equipment and physics of x-ray production. Includes basic x-ray circuits. Also examines the relationship of conventional and digital equipment components to the imaging process. Prerequisite: Acceptance to Radiologic Technology Program [Offered fall semester.] Type: Tech
RADR 2313. Radiation Biology and Protection. 3:3:0
Effects of radiation exposure on biological systems. Includes typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure. Prerequisite: Acceptance to Radiologic Technology Program [Offered spring semester.] Type: Tech

RADR 2333. Advanced Medical Imaging. 3:3:0
Specialized imaging modalities. Includes concepts and theories of equipment operations and their integration for medical diagnosis. Prerequisite: Acceptance to Radiologic Technology Program [Offered spring semester.] Type: Tech

RADR 2335. Radiologic Technology Seminar. 3:2:3
A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning. Prerequisite: Acceptance to Radiologic Technology Program [Offered summer I and summer II semesters (combined).] Type: Tech

RADR 2366. Practicum V. 3:0:32
Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program [Offered summer I and summer II semesters (combined).] Type: Tech

RADR 2401. Intermediate Radiographic Procedures 4:3:4
A continuation of the study of the proper manipulation of radiographic equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of anatomy. Prerequisite: Acceptance to Radiologic Technology Program [Offered spring semester.] Type: Tech

RADR 2431. Advanced Radiographic Procedures. 4:3:3
Continuation of positioning; alignment of the anatomical structure and equipment, evaluation of images for proper demonstration of anatomy and related pathology. Prerequisite: Acceptance to Radiologic Technology Program [Offered fall semester.] Type: Tech
READ 0306. Reading Survey I. 3:3:2
Non-transfer credit course designed to help students improve their reading comprehension and vocabulary skills. Students are placed in this course according to WCJC developmental placement guidelines. This course must be passed with a C or better to advance to READ 0307. Prerequisite: None

READ 0307. Reading Survey II. 3:3:2
Preparatory, non-transfer credit course to improve reading comprehension. Prerequisite: According to WCJC developmental placement guidelines, or completion of READ 0306 with a C or better. This course must be passed with a C or better to satisfy TSI requirements.

SOCIOLOGY (SOCI)
Division of Social and Behavioral Science

SOCI 1301. Introduction to Sociology. (Core 080) 3:3:0
Introduction to the study of human groups, social organization, and the perspectives, concepts, and methods involved in the explanation of human social behavior. Topics include culture, institutions, norms and values, statuses, deviance, population, and urbanization. Prerequisite: THEA reading and writing requirements met. Type: Acad

SOCI 1306. Social Problems. (Core 080) 3:3:0
Descriptive survey of the emergence, scope, and proposed solutions of the major social problems in contemporary society in the United States. Prerequisite: None. Type: Acad

SOCI 2301. Marriage & Family Relationships. 3:3:0
Provides a sociological understanding of the processes involved in family relations, household life and structures, and family problems. Emphasizes historical formations, social influences, and the diversity of families in the United States; explores myths about family forms and features; the role of gender; divisions of labor within household; historical shifts; family privacy and government interventions; stereotypes; and the effect of social, economic, and political forces on the family. This course also addresses broader issues in the sociology of intimate relationships beyond conventional marriage and families. Prerequisite: None. Type: Acad

SOCI 2306 (or PSYC 2306). Human Sexuality. (Core 080) 3:3:0
Psychological and physiological examination of the human sexual experience from conception through old age. Topics include practical aspects of human sexuality, sexual attitudes, sexual problems, and marriage. Prerequisite: THEA
reading and writing requirements met. Type: Acad

**SOCI 2319 Multi-Cultural America.** (Core 080) 3:3:0
This course provides a general overview of both American ethnic and non-ethnic minority groups, regarding their histories, group characteristics, social statuses, political and economic power, values, attitudes, traditions, beliefs, group relations, ideologies, education, and languages. Cross-cultural comparisons included. Prerequisite: None. Type: Acad

**SOCI 2326 (or PSYC 2319). Social Psychology.** 3:3:0
Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. Cross-listed as PSYC 2319. Prerequisites: THEA reading and writing requirements met; SOCI 1301, PSYC 2301, or PSYC 2315 recommended. Type: Acad

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**SPANISH (SPAN)**
**Division of Communications and Fine Arts**

**SPAN 1411. Beginning Spanish I.** 4:3:2
Includes grammatical principles and vocabulary, audio-lingual presentations of dialogues, conversation, and culture of Spanish-speaking countries. Laboratory practice. Prerequisite: THEA reading requirement met or concurrent enrollment in READ 0307. [Offered fall, spring, and summer semesters.] Type: Acad

**SPAN 1412. Beginning Spanish II.** 4:3:2
Continuation of SPAN 1411. Emphasis on more advanced and applied grammar and cultural readings dealing with life in Spanish-speaking countries. Laboratory practice. Prerequisites: SPAN 1411 or passing grade on Spanish placement test. THEA reading requirement met or concurrent enrollment in READ 0307. [Offered fall, spring and summer semesters.] Type: Acad

**SPAN 2311. Intermediate Spanish I. (Core 040)** 3:3:0
Stresses oral and written exercises with directed conversation and written papers on subjects of modern interest. Grammatical principles are continually reviewed. Prerequisite: SPAN 1412 or passing grade on Spanish placement test. [Offered fall, spring and summer semesters.] Type: Acad

**SPAN 2312. Intermediate Spanish II. (Core 040)** 3:3:0
Continuation of SPAN 2311 with emphasis on selected readings from modern works of Spanish and Latin American authors. Selections are discussed in class, with emphasis on speaking Spanish. Prerequisite: SPAN 2311. [Offered spring
### SPEECH (SPCH)
#### Division of Communications and Fine Arts

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
<th>Description</th>
<th>Prerequisites</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCH 1315</td>
<td>Fundamentals of Speech. (Core 011)</td>
<td>3:3:0</td>
<td>Designed to teach students the components of the human communication process. Students are taught to communicate clearly and effectively through the medium of speech. Special emphasis is on the organization, content and delivery of extemporaneous speeches. Prerequisite: THEA reading requirement met or concurrent enrollment in READ 0307. [Offered fall, spring and summer semesters.]</td>
<td>Type: Acad</td>
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</tr>
<tr>
<td>SPCH 1318</td>
<td>Interpersonal Communication.</td>
<td>3:3:0</td>
<td>Designed to improve students' skills of communication for everyday situations. Topics include self-awareness, listening, nonverbal communication, semantics, group process, and resolution of conflict. Students learn to communicate in a manner that leads to healthy personal adjustment and personal relationships; they acquire skills important in obtaining employment and advancing in a career; they make public presentations; they gain understanding and appreciation of other cultures. Prerequisite: THEA reading requirement met or concurrent enrollment in READ 0307. [Offered fall and spring semesters.]</td>
<td>Type: Acad</td>
<td></td>
</tr>
<tr>
<td>SPCH 1321</td>
<td>Business and Professional Speaking</td>
<td>3:3:0</td>
<td>This course prepares students to communicate effectively in business and/or professional settings by providing a mixture of lectures and performance-based activities that approximate the dynamics of a contemporary business. Prerequisite: THEA reading requirement met or concurrent enrollment in READ 0307.</td>
<td>Type: Acad</td>
<td></td>
</tr>
<tr>
<td>SPCH 1342</td>
<td>Voice and Articulation.</td>
<td>3:3:0</td>
<td>Study of and practice in the use of voice. Includes the component parts of the voice mechanism and an introduction to the International Phonetic Alphabet. The course may be counted as Speech or Drama but not both. Prerequisite: THEA reading and writing requirements met. [Offered spring semester.]</td>
<td>Type: Acad</td>
<td></td>
</tr>
<tr>
<td>SPCH 2341</td>
<td>Oral Interpretation.</td>
<td>3:3:0</td>
<td>Helps students read aloud effectively from the printed page. Analysis of the literature being read aids students in discovering the logical and emotional impact the author intended so that the same impact may be conveyed by a</td>
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</tr>
</tbody>
</table>
speaker to an audience through vocal characterization and movement. 
Prerequisite: THEA reading requirement met or concurrent enrollment in READ 0307. Type: Acad

**SURGICAL TECHNOLOGY (SRGT)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HITT 1249</td>
<td>Pharmacology.</td>
<td>2:2:0</td>
<td>Overview of the basic concepts of the pharmacological treatment of various diseases affecting major body systems. Prerequisite:  None [Offered spring semester at Wharton; summer semester at Richmond. ] Type: Tech</td>
</tr>
<tr>
<td>HPRS 2301</td>
<td>Pathophysiology.</td>
<td>3:3:0</td>
<td>Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries. Prerequisites: BIOL 2401 and BIOL 2402 or VNSG 1420. [Offered fall and spring. ] Type: Tech</td>
</tr>
<tr>
<td>SRGT 1301</td>
<td>Medical Terminology.</td>
<td>3:3:0</td>
<td>Study of the basic structure of medical words including prefixes, suffixes, roots, combining forms, plurals, pronunciation, spelling, and the definitions of medical terms. Emphasis is on building a professional vocabulary required for employment within the allied health care field professions. [Offered fall sem. ] Type: Tech</td>
</tr>
<tr>
<td>SRGT 1405</td>
<td>Introduction to Surgical Technology.</td>
<td>4:2:8</td>
<td>Orientation to surgical technology theory, surgical pharmacology and anesthesia, and patient care concepts. [Offered fall semester. ] Type: Tech</td>
</tr>
<tr>
<td>SRGT 1409</td>
<td>Fundamentals Perioperative Concepts and Techniques</td>
<td>4:2:8</td>
<td>In-depth coverage of aseptic technique principles and practices, infections processes, wound healing, and creation and maintenance of the sterile field of perioperative concepts such as aseptic/sterile principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field. [Offered fall semester.] Type: Tech</td>
</tr>
<tr>
<td>SRGT 1541</td>
<td>Surgical Procedures I.</td>
<td>5:3:2</td>
<td>Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, OB/GYN, genitourinary, ophthalmic, EENT, and orthopedic surgical specialties incorporating instruments, equipment, and supplies required for safe patient care procedures and related pathologies. Emphasis on surgical procedures related to general, obstetrics/gynecology, genitourinary, otolaryngology, and orthopedic</td>
</tr>
</tbody>
</table>
surgical specialties incorporating instruments, equipment, and supplies required for perioperative patient care. Prerequisite: SRGT 1405 and SRGT 1409. [Offered spring semester.] Type: Tech

**SRGT 1542. Surgical Procedures II.** 5:3:2
Introduction to surgical procedures and related pathologies. Emphasis on surgical procedures related to thoracic, peripheral vascular, plastic/reconstructive, ophthalmology, cardiac, and neurological surgical specialties incorporating instruments, equipment, and supplies required for perioperative patient care. Prerequisite: SRGT 1541. [Offered summer semester.] Type: Tech

**SRGT 1560. Clinical I—Surgical/Operating Room Technician.** 5:0:28
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The guided experience is unpaid. Prerequisite: SRGT 1405 and SRGT 1409. [Offered spring semester.] Type: Tech

**SRGT 2130. Professional Readiness.** 1:1:0
Transition into the professional role of the surgical technologist. Includes professional readiness for employment, attaining certification, and maintaining certification status. [Offered summer semester.] Type: Tech

**SRGT 2461. Clinical II—Surgical/Operating Room Technician.** 4:0:15
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. The guided experience is unpaid. Prerequisites: SRGT 1541 and SRGT 1560. (Capstone Course) [Offered summer semester.] Type: Tech

**VNSG 1115. Disease Control and Prevention.** 1:1:0
Study of the general principles of prevention of illness and disease, basic microbiology, and the maintenance of aseptic conditions. [Offered fall semester.] Type: Tech

**VNSG 1420. Anatomy and Physiology for Allied Health.** 4:3:2
Introduction to the normal structure and function of the body including an understanding of the relationship of body systems in maintaining homeostasis. [Offered fall semester.] Type: Tech

The Capstone Course SRGT 2461 is the culminating evaluative course that assesses the outcome of the major. Students must complete this course with a grade of C or better.
VOCATIONAL NURSING (VNSG)
Division of Allied Health

VNSG 1119. Professional Development. 1:1:0
Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education. (16 contact hours) Prerequisite: Successful completion of all second semester courses. [Offered summer semester.] Type: Tech

VNSG 1126. Gerontology. 1:1:0
Overview of the normal physical, psychosocial, and cultural aspects of the aging process. Addresses common disease processes of aging. Makes exploration of attitudes toward care of the elderly. (16 contact hours) Prerequisite: Admission to program. [Offered fall semester.] Type: Tech

VNSG 1133. Growth and Development. 1:1:0
Study of the basic aspects of growth and development throughout the life span. Focus on growth and development of the individual’s body, mind, and personality as influenced by the environment. (16 contact hours) Prerequisite: Admission to program. [Offered fall semester.] Type: Tech

VNSG 1160. Clinical I - Practical Nurse (LVN). 1:0:6
A health-related, work based learning experience that enables the student to apply specialized occupational theory skills and concepts. Direct supervision is provided by the clinical professional. Clinical experiences are unpaid external learning experiences. Ninety-six (96) clinical hours. Prerequisites: Admission to program, VNSG1505, liability insurance, student uniform, and completion of the Hepatitis B immunization series. [Offered at Wharton, Oak Bend and Bay City clinical sites in fall semester.] Type: Tech

VNSG 1231. Pharmacology. 2:2:0
Fundamentals of medications and their diagnostic, therapeutic, and curative effects are surveyed. Includes nursing interventions utilizing the nursing process. Prerequisite: Successful completion of all first-semester courses. (32 contact hours) [Offered spring semester.] Type: Tech

VNSG 1234. Pediatrics. 2:2:0
Study of childhood diseases and childcare from infancy through adolescence. Focus on the care of the well and the ill child utilizing the nursing process. Prerequisite: Successful completion of all first-semester courses. (32 contact hours)
VNSG 1238. Mental Illness. 2:2:0
Study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process. Prerequisite: Successful completion of all second semester courses. (32 contact hours) [Offered summer semester.] Type: Tech

VNSG 1304. Foundations of Nursing. 3:3:0
This is an introduction to the nursing profession including history, standards of practice, legal and ethical issues, and role of the vocational nurse. Topics include mental health, therapeutic communication, cultural and spiritual diversity, nursing process, and holistic awareness. (48 contact hours) Prerequisite: Admission to program. [Offered fall semester.] Type: Tech

VNSG 1327. Essentials of Medication Administration. 3:3:0
General principles of medication administration including determination of dosage, preparation, safe administration, and documentation of multiple forms of drugs are introduced. Instruction includes various systems of measurement. Prerequisite: Admission to program. [Offered fall semester.] Type: Tech

VNSG 1330. Maternal-Neonatal Nursing. 3:3:0
Utilization of the nursing process in the assessment and management of the childbearing family is studied. Emphasis is placed on the bio-psycho-socio-cultural needs of the family during the phases of pregnancy, childbirth, and the neonatal period including abnormal conditions. (48 contact hours) Prerequisite: Successful completion of all first-semester courses. [Offered spring semester.] Type: Tech

VNSG 1423. Basic Nursing Skills. 4:3:5
Mastery of entry-level nursing skills and competencies for a variety of healthcare settings. Utilization of the nursing process is the foundation for all nursing interventions. (128 contact hours) Prerequisite: Admission to program. [Offered fall semester.] Type: Tech

VNSG 1429. Medical-Surgical Nursing I. 4:4:0
Application of the nursing process is used in the care of adult patients experiencing medical-surgical conditions in the health-illness continuum. A variety of health care settings is utilized. (64 contact hours) Prerequisite: Admission to program. [Offered fall semester.] Type: Tech

VNSG 1432. Medical-Surgical Nursing II. 4:4:0
This is a continuation of Medical-Surgical Nursing I with application of the nursing process to the care of adult patients experiencing medical-surgical conditions in the health-illness continuum. Includes a variety of health care
settings. (64 contact hours) Prerequisite: Successful completion of all first-semester courses. [Offered spring semester.] Type: Tech

**VNSG 1505. Health Science.**  
5:4:2  
An introduction to the general principles of anatomy and physiology, nutrition, and microbiology that are necessary for understanding body processes and basic principles underlying health promotion and therapeutic interventions. (96 contact hours) Prerequisite: Admission to program. [Offered fall semester.] Type: Tech

**VNSG 1661. Clinical II - Practical Nurse (LVN).**  
6:0:24  
A health-related, work-based learning experience that enables the student to apply specialized occupational theory skills and concepts. Direct supervision is provided by the clinical professional. Clinical experiences are unpaid external learning experiences. Three hundred seventy-eight (378) clinical hours. Prerequisite: Successful completion of all first-semester courses. [Offered spring semester at Wharton, Oak Bend and Bay City clinical sites.] Type: Tech

**VNSG 2331. Advanced Nursing Skills.**  
3:12:2  
Mastery of advanced level nursing skills and competencies in a variety of health care settings utilizing the nursing process as a problem-solving tool. (48 contact hours) Prerequisite: Successful completion of all first-semester courses. [Offered spring semester.] Type: Tech

**VNSG 2661. Clinical III - Practical Nurse (LVN).**  
6:0:23  
A health-related, work based learning experience that enables the student to apply specialized occupational theory skills and concepts. Direct supervision is provided by the clinical professional. Clinical experiences are unpaid external learning experiences. Three hundred sixty-eight (368) clinical hours. Prerequisite: Successful completion of all second-semester courses. This course is the culminating evaluative course that assesses the outcomes of the vocational nursing major. All students must complete this course with a grade of 75% or better. [Offered summer semester at Wharton, Oak Bend, and Bay City clinical sites.] Type: Tech (Capstone Course)

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**WELDING TECHNOLOGY (WLDG)**  
Division of Vocational Science
WLDG 1413. **Intro to Blueprint Reading.** 4:3:4  
A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding process. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production. Prerequisites: None  
Type: Tech

WLDG 1417. **Intro to Layout and Fabrication** 4:3:4  
A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction. Prerequisites: None. Type: Tech

WLDG 1428. **Intro to Shielded Metal Arc Welding.** 4:3:4  
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. Prerequisites: None. Type: Tech

WLDG 1434. **Intro to Gas Tungsten Arc Welding.** 4:3:4  
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. Learning Outcomes: Describe various joint designs; describe safety rules and equipment; and describe the effects of welding parameters in GTAW; and will weld various structural materials. Prerequisites: None. Type: Tech

WLDG 1435. **Intro to Pipe Welding.** 4:3:4  
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. 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. Prerequisites: WLDG 1428 or welding department chair approval. Learning Outcomes: Describe equipment and required pipe preparation and perform 1G and 2G welds using various electrodes. Type: Tech

WLDG 1457. **Intermediate Shielded Metal Arc Welding.** 4:3:4  
A study of the production of various fillets and groove welds. Preparation of specimens for testing in all test positions. Prerequisites: WLDG 1434 or welding department chair approval. Type: Tech

WLDG 2380. **Cooperative Education.** 3:2:15  
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. Prerequisites: WLDG 1434, 1457, and 1435 or welding department chair approval. Type: Tech

WLDG 2447. Advanced Gas Metal Arc Welding (GMAW). 4:3:4
Advanced topics in Gas Metal Arc Welding (GMAW). Includes welding in various positions and directions. Prerequisites: WLDG 1457 or welding department chair approval. Type: Tech

WLDG 2451. Advanced Gas Tungsten Arc Welding (GTAW). 4:3:4
Advanced topics in GTAW welding, including welding in various positions and directions. Learning Outcomes: Demonstrate proficiency in various positions; describe safety rules and equipment used; and describe the effects of welding parameters in GTAW. Weld various joint designs; diagnose welding problems; and perform visual inspection. Prerequisites: WLDG 1434 or welding department chair approval. Type: Tech

WLDG 2453. Advanced Pipe Welding. 4:3:4
Advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Topics include electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes. Prerequisites: WLDG 1435 or welding department chair approval. Type: Tech
College Personnel

Board of Trustees

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<thead>
<tr>
<th>Board Position</th>
<th>Name</th>
<th>Term Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Mr. P.D. (Danny) Gertson III, Chair</td>
<td>May 2012</td>
</tr>
<tr>
<td>5</td>
<td>Mr. Rick Davis, Vice-Chair</td>
<td>May 2012</td>
</tr>
<tr>
<td>9</td>
<td>Mr. Jack C. Moses, Secretary</td>
<td>May 2010</td>
</tr>
<tr>
<td>6</td>
<td>Mr. Gerald R. Donaldson</td>
<td>May 2012</td>
</tr>
<tr>
<td>3</td>
<td>Mrs. Georgia Krenek</td>
<td>May 2014</td>
</tr>
<tr>
<td>8</td>
<td>Mr. Oliver W. Kunkel, Jr.</td>
<td>May 2014</td>
</tr>
<tr>
<td>2</td>
<td>Mr. Gary P. Trochta</td>
<td>May 2010</td>
</tr>
<tr>
<td>4</td>
<td>Mr. Phyllip W. Stephenson</td>
<td>May 2014</td>
</tr>
<tr>
<td>1</td>
<td>Mr. Lloyd M. Nelson</td>
<td>May 2010</td>
</tr>
</tbody>
</table>

Administrative Executive Officers

Betty McCrohan
B.S., San Angelo State University
M.Ed., University of Houston
President

Tyler G. Pate
A.A., Wharton County Junior College
B.S., Kansas State College, Pittsburgh
M.Ed., University of Missouri, Columbia
Ed.D., University of Houston
Senior Vice President of Instruction

Bryce D. Kocian
A.A., Wharton County Junior College
B.B.A., Sam Houston State University
Vice President of Administrative Services

Pamela J. Youngblood
A.A.S., Wharton County Junior College
B.A.A.S., University of Houston – Victoria
Vice President of Technology & Inst. Research
Leigh Ann Collins  Dean of Vocational Instruction  
A.A.S., Wharton County Junior College  
B.A.S., M.A.I.S., University of Houston - Victoria  

Brice Wayne Taylor  Dean of Student Services/Dir. of Dual Credit Enrollment  
B.A.A., University of Texas  
M.Ed., East Texas State University  
Ed.D., University of Houston  

Gus Wessels, Jr., C.P.A.  Dean of Financial and Business Services  
A.A., Wharton County Junior College  
B.B.A., Southwest Texas State University  

Administrative Staff  

James Bullock  MIS Infrastructure Architect  
A.A.S., Wharton County Junior College  

Zina L. Carter  Director of Marketing and Communications  
B.A., Jacksonville University  

David Clayton  Director of Public Safety  
A.A.S., Wharton County Junior College  

Mike H. Feyen  Director of Facilities Management  
A.A., Ferris State College  

T. Scott Glass  Director of Richmond Campus  
A.A., Wharton County Junior College  
B.S., University of Houston – Victoria  

Richard D. Hyde  Director of Financial Aid  
B.B.A., Sam Houston State University  

Kewi Feng Hsu  Director of Library Information & Technical Services  
B.A., University of Chinese Culture – Taiwan  
M.L.S., University of Wisconsin – Milwaukee  

Judy J. Jones  Director of Human Resources  
B.A., University of Houston  

Conrad A. Kieler, CPA  Director of Payroll and Benefits  
B.B.A., southwest Texas State University  

Xiaodong “Eric” Li  Webmaster  
B.L., Fudan University  
M.S., University of Illinois at Urbana - Champaign  

Bryan Ngo  Director of Database and Application Services  
B.S., University of Houston  

Karen Preisler  Director of Admissions and Registration  
B.A., McNeese State University  

Patricia Rehak  Instructional Assessment Coordinator  
A.A., Victoria Community College  
B.S., University of Houston  
M.A., University of Houston – Victoria
Merry Ribnikar  
Assistant Director of Financial Aid  
A.A., North Harris Montgomery Community College  
B.A., Our Lady of the Lake University  
M.Ed., University of Houston – Victoria  

Alvin Schultz  
Assistant Director of Facilities/Senior Electrician  
B.B.A., Texas A&M University  

Robert Wolter  
Director Sugar Land Campus  

Philip Wuthrich  
Director of Purchasing  
B.S., Sam Houston State University  

Student Services  

Julie Aaronson  
Coordinator of Recruiting  
B.S., Texas A&M University  

Susan Denman  
Counselor  
B.A., Drury University, Springfield, Missouri  
M.S., University of Arkansas  

Joe Jenkins  
Counselor  
B.A., Northwestern State University  
M.Ed., Prairie View A&M University  

Dianne Kielman  
Vocational Support Services Coordinator  
A.A., Wharton County Junior College  
B.S., M.Ed., University of Houston - Victoria  

Cynthia Kocian  
Special Populations Advisor  
B.S., University of Houston Downtown  

Patricia Lawlor  
Counselor  
B.A., University of Delaware  
M.Ed., University of Houston  

Lillian Lockley  
Counselor  
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Christine Nevarez  
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B.S., Valparaiso University
MARY V. ALEXANDER ................................................................. Speech
B.S., M. A., Missouri State University
JAMES L. ALLEN, JR. .......................................................... Economics
B.S., University of Notre Dame
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SEAN AMESTOY ........................................................ Agriculture, Rodeo Coach
B.S., Tarleton State University
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MARSHA ANDERSON ......................................................... English
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PHYLLIS APPLING ......................................................... Developmental Studies/Reading
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PAMELA A. ARMENTROUT .................................................. English
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*EUGENE F. BAHNSEN ................................................ Athlete Director, Kinesiology
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B.A.A.S., University of Houston - Victoria
FRIEDEMANN K. BARTSCH ................................................. English
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LINDA BEAIR ................................................................. Vocational Nursing
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FRANK BECAK ............................................................... Emergency Medical Services
LINDA BEESEON ........................................................ Vocational Nursing
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B.A., M.A., University of Texas at San Antonio
CONNIE BIBUS ............................................................... History
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M.A., University of Virginia
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    M.A., Stephen F. Austin University
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    B.S., University of Texas Health Science Center, San Antonio
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    M.A., Southwest Texas State University
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    B.S., Lamar University
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    J.D., Oklahoma City University
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    A.A.S., Wharton County Junior College
JESS W. COLEMAN .................................................... Art
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M.S., Louisiana State University

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M.S., Southwest Texas State University

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M.S., Louisiana State University

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M.S., Marquette University

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  M.S., Kanpur University
  M.D., Spartan Health Sciences University (West Indies)

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  J.D., Texas Southern University

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  B.S., Sam Houston State University
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M.P.H., University of Texas Health Science Center, Houston
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*JONATHAN K. LOESSIN ........................................................ Sociology
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A.B.D. Texas A & M University
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   B.S.T, M. Ed., University of Houston

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  M.A., Appalachian State University
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  Ph.D., Texas A&M University
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  J.D., Texas Southern University
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  M.F.A., Indiana University
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  B.S., Stephen F. Austin State University
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    M.A., Southwest Texas State University
    Ph.D., University of Houston
*RONALD VARDY............................................................. Government
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    M.S., Troy State University; M.B.A., Michigan
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*MELISSA R. WADE............................................................ Surgical Technology
    CST, Sarasota County Technical Institute
    LVN, Memorial City Medical Center School of Vocational Nursing
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ADVISORY COMMITTEES FOR OCCUPATIONAL PROGRAMS

**Associate Degree Nursing**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Judy Jones, RN, MS</td>
<td>Oak Bend Medical Center, Richmond, TX</td>
</tr>
<tr>
<td>Nora Koch, RN</td>
<td>South Texas Medical Clinic, Wharton, TX</td>
</tr>
<tr>
<td>Edwina Minor, RN, MS</td>
<td>Gulf Coast Medical Center, Wharton, TX</td>
</tr>
<tr>
<td>Carol Wooten</td>
<td>Gulf Coast Medical Center, Wharton, TX</td>
</tr>
</tbody>
</table>

**Automotive Technology**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Craig Abbadolla</td>
<td>Guzman Pontiac, Houston, TX</td>
</tr>
<tr>
<td>Jim Farr</td>
<td>Don Elliot Autoworld, Wharton, TX</td>
</tr>
<tr>
<td>Gary Farris</td>
<td>Wharton Auto &amp; Truck Parts, Wharton, TX</td>
</tr>
<tr>
<td>Larry Kuretsch</td>
<td>El Campo High School, El Campo, TX</td>
</tr>
<tr>
<td>David Voulgaris</td>
<td>Caney Auto, Wharton, TX</td>
</tr>
<tr>
<td>Mike Watson</td>
<td>Boling Equipment, Boling, TX</td>
</tr>
<tr>
<td>Alfred Zahn, Jr.</td>
<td>Star Parts, Inc., Wharton, TX</td>
</tr>
</tbody>
</table>

**Computer Science**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Heather Caddie-Mendiola</td>
<td>Tidehaven, ISD, Blessing, TX</td>
</tr>
<tr>
<td>Keith Crabb</td>
<td>University of Houston, Houston, TX</td>
</tr>
<tr>
<td>Dr. Mel Damodaran</td>
<td>University of Houston Victoria, Victoria, TX</td>
</tr>
<tr>
<td>Adam Guevara</td>
<td>Wm. Rigg Co., Houston, TX</td>
</tr>
<tr>
<td>Connie Heinecke</td>
<td>Fort Bend County, Richmond, TX</td>
</tr>
<tr>
<td>Russell Hill</td>
<td>All-Tex Networking Solutions, Richmond, TX</td>
</tr>
<tr>
<td>Sean Lavelle</td>
<td>Baylor College of Medicine, Houston, TX</td>
</tr>
<tr>
<td>Lynette Meyer</td>
<td>Fort Bend ISD, Sugar Land, TX</td>
</tr>
<tr>
<td>Oscar Morales</td>
<td>Stanford Financial Group, Houston, TX</td>
</tr>
<tr>
<td>Brian Smith</td>
<td>Consultant, Richmond, TX</td>
</tr>
<tr>
<td>Larry Swonke</td>
<td>Microsoft Corporation, Houston, TX</td>
</tr>
</tbody>
</table>

**Cosmetology**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
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<tbody>
<tr>
<td>Darla Ermis</td>
<td>Salon Owner, Louise, TX</td>
</tr>
<tr>
<td>Sherman Miller</td>
<td>Milan Barber Shop, Wharton, TX</td>
</tr>
<tr>
<td>Ann Vignes</td>
<td>Obsessions, Wharton, TX</td>
</tr>
<tr>
<td>Debi Wessels</td>
<td>Hair, etc., Wharton, TX</td>
</tr>
<tr>
<td>Jeanene Merka</td>
<td>WCJC, Retired, Wharton, TX</td>
</tr>
</tbody>
</table>

**Dental Hygiene**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Anissa Hall Aldrich, RDH</td>
<td>Kemah, TX</td>
</tr>
<tr>
<td>Adrienne Andress, DDS</td>
<td>Stafford, TX</td>
</tr>
</tbody>
</table>
Tonia Coffman, RDH Victoria, TX
Crystal Grosser, RDH Houston, TX
Carl King, DDS Bay City, TX
Kari Milonzi, RDH Richmond, TX
A.J. Murrey, DDS Bay City, TX
Carol Smolik, RDH El Campo, TX
Brian Swenson, DDS El Campo, TX
David Tripulas, DDS Wharton, TX
Roasario N. Villareal, RDH Rosenberg, TX

Engineering Design

Stephen G. Berckenhoff, PE Turner, Collie & Braden, Houston, TX
Steve Blanchard Atkinson Builders, Edna, TX
Wendy Borel Fluor, Sugar Land, TX
Victor Castaneda, Jr. Turner, Collie & Braden, Houston, TX
Jim Franklin Gurecky Manufacturing Service, Inc. Rosenberg, TX
Tracy Holub Director Vocational Ed., LCISD, Rosenberg, TX
Steve Jensen Fluor, Sugar Land, TX
Ken Lipinski Mustang Engineering, Houston, TX
Jared Murphy CAD Instructor, LCISD, Rosenberg, TX
Lupe Nevarez Mustang Engineering, Palacios, TX
Robert Ring Edminster, Hinshaw, Russ, Houston, TX
Ken Shanks, AIA Ken Shanks & Associates, Inc., El Campo, TX
Jim Watson Edminster, Hinshaw, Russ, Houston, TX
Mark Wooldridge Texas Department of Transportation, Wharton, TX

Early Childhood Development

Mariette Bellamy Education Director, Tri-County Head Start
Rose Ann Franks Early Childhood Educator, Hungerford, TX
Linda Hines Children’s Librarian, Wharton County Library
Sally Kallina Asst. Principal, Sivells Elementary, Wharton, TX
Tim Pope Principal, East Bernard Elementary, East Bernard, TX
Gail Spell WCJC Instructor, Project GROW, Early Childhood Intervention
Patty Stupka THS Family Consumer Science Teacher, LCISD, Rosenberg, TX
Barbara Sulak Matagorda County Extension Office
Joyce Trigger WCJC Instructor, Shady Oak Christian School
Lorraine Washington WSS Tri-County DCD Headstart

Electronics Engineering Technology

Tommy Clark Houston Sigma Technologies, Houston, TX
Clarence Foytik Micro-Smart Systems, Houston, TX
Ivan Lembert Sercel, Inc., Houston, TX
Donald Locke Sercel, Inc., Houston, TX
Steve May  Principal, Wharton High School, Wharton, TX
Cullen Newson Statake, ESM, Houston, TX
Matt Robinson Motorola, Chicago, IL
Art Schulze Healthcare Technology Group, Wharton, TX
Jeff Tanner Schlumberger, Sugar Land, TX

Emergency Medical Service

Dr. Francisco J. Ortiz Medical Director
Butch Baccus Director of Operations, Aons Ambulance, Houston, TX
Virginia Broman Director of Acute Care – Gulf Coast Medical Center
Ron Diley EMS Director, Austin County
Ann Gooden Wharton, TX
Renee Griffith Trauma Coordinator, Matagorda General Hospital, Bay City, TX
John Kowalik EMS Director, City of Wharton, Wharton TX
Charla Kulcak Wharton, TX
Kim Pierson Chief Nursing Officer, Matagorda General Hospital, Bay City, TX
Steve Weinheimer El Campo, TX
Jimmy George EMS Director, El Campo, TX

Ex-Officio (non-voting) WCJC Staff Members:
Maggie Mejoado EMS Coordinator
Frank Becak EMS Instructor
David Clayton Director of Public Safety Training

Fire Academy

Edward Buchler Rosenberg, TX
Vance Cooper Fort Bend Fire Marshall, Richmond, TX
David Copeland Wharton Volunteer Fire Department (retired), Wharton, TX
Herc Meier Fulshear Fire Department, Rosenberg, TX
James Syetlik Bay City Fire Department, Bay City, TX
Glen Turner Sugar Land Fire Department, Sugar Land, TX
Bubba Wilcox East Bernard Fire Department, Rosenberg, TX

Heating, Air Conditioning and Refrigeration Technology

Doug Baumgarten DB Air, Wharton, TX
David Cannell Cannell Air Conditioning & Heating, El Campo, TX
Thomas Faust Faust Air Conditioning & Heating, Wharton, TX
Manual Garcia Contractor, Garcia Mechanical, Needville, TX
Raymond E. Kueck Custom Comfor, Inc., Rosenberg, TX
Alvin Mathys Gulf Coast Medical Center (retired), Wharton, TX
Ray Roberson Robertson Air Conditioning and Refrigeration, Wharton, TX
Robert Sanchez  WCJC, Wharton, TX
Mike Sparks  Contractor, Kovar AC&H, Bay City, TX
Sidney E. Struss  Contractor, A.J. Struss Company, Eagle Lake, TX

**Health Information Technology**

Carol Bartek, RHIA, CCS  Gulf Coast Medical Center, Wharton, TX
Sarah Glass, MA, RHIA, CCS  St. Luke’s Hospital, Houston, TX
Judy Hardin, RHIA  South Texas Medical Clinic, Wharton, TX
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Elaine Powers, RHIT  Iron Mountain Consulting
Linda Rosenbaum, RHIA  RMS Services, Houston, TX
Karen Wells RHIT  El Campo Memorial Hospital, El Campo, TX

**Human Services**

Chanteau Ayers  University of Houston, Clear Lake, TX
Al Barrera  Superintendent, Richmond State School, Richmond, TX
Chad Bridges  ADA, Fort Bend County District Attorney’s Office, Richmond, TX
Sheri Fuge  Behavioral Healthcare Services, Texana Ctr., Rosenberg, TX
Rebecca McElroy, MA, LPC  WCJC Psychology Instructor, Wharton, TX
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