
Agriculture

The Central Texas College Department of Agriculture offers Certificates of Completion in Agricultural Industry, Agricultural Production, as well as Horticultural and Equine Specialization. These awards are designed to provide an entry-level, industry-validated “hands-on” approach to learning.

For students wishing to pursue a Baccalaureate degree the Associate of Science degree in Agriculture Science is designed to maximize the transfer of lower level course work to the Baccalaureate degree granting public education institution within the State of Texas.

Agriculture Science (AGR4) 010000 Associate of Science Degree

First Semester			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
DEGR REQ	AGRI 1131	The Agriculture Industry	1
DEGR REQ	AGRI 1419	Introductory Animal Science	4
CORE REQ	GOVT 2306	Texas Government	3
Second Semester			
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
DEGR REQ	AGRI 1309	Computers in Agriculture	3
DEGR REQ	AGRI 2330	Wildlife Conse. & Mgmt.	3
CORE REQ		Life and Physical Science Selection	4
Second Year			
First Semester			
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		MATH 1332 or 1342	3
CORE REQ		Life and Physical Science Selection	4
DEGR REQ	AGRI 1407	Agronomy	4
Second Semester			
DEGR REQ	AGRI 2317	Intro. to Agri. Economics	3
CORE REQ		Language/Philosophy/Culture Studies	3
CORE REQ		Social/Behavioral Science Selection	3
CORE REQ		Component Area Option	4
CORE REQ		Creative Arts Selection	3
Total Hours			60

Agriculture Production (AGP14) 010104
Associate of Applied Science Degree

First Year

First Semester			Credit
AGRI	1131	The Agriculture Industry	1
AGRI	1419	Introductory Animal Science	4
ENGL	1301	Composition I	3
ELEC		Humanities/Fine Arts Selection	3
AGRI	2317	Introduction to Agriculture Economics	3

Second Semester

AGRI	1309	Computers in Agriculture	3
AGMG	2306	Livestock and Meat Marketing	3
ELEC		Social/Behavioral Science Selection	3
AGAH	1343	Animal Health	3

Second Year

First Semester

AGAH	2313	Principles of Feeds and Feeding	3
AGAH	1353	Beef Cattle Production	3
FDST	1323	Principles of Viticulture I	3
MATH	1342	Elementary Statistical Methods	3
AGEQ	1311	Equine Science I	3
AGMG	2486	Internship	4

Second Semester

AGAH	1347	Animal Reproduction	3
AGEQ	1301	Equine Behavior and Training I	3
AGRI	2330	Wildlife Conservation & Management	3
AGCR	1307	Range Management	3
SPCH		SPCH 1315 or 1321	3
Total Hours			60

Equine Management (AGE14) 010104
Associate of Applied Science Degree

First Year

First Semester			Credit
AGRI	1131	The Agriculture Industry	1
AGRI	1419	Introductory Animal Science	4
ENGL	1301	Composition I	3
AGRI	2317	Introduction to Agriculture Economics	3
AGEQ	1319	Western Horsemanship I	3

Second Semester

AGRI	1309	Computers in Agriculture	3
AGEQ	1301	Equine Behavior and Training I	3
AGAH	1343	Animal Health	3
AGEQ	2339	Western Horsemanship II	3
AGEQ	1311	Equine Science I	3
AGMG	2306	Livestock and Meat Marketing	3

Second Year

First Semester

AGAH	2313	Principles of Feeds and Feeding	3
ELEC		Humanities/Fine Arts Selection	3
MATH	1342	Elementary Statistical Methods	3
ELEC		Social/Behavioral Science Selection	3
AGMG	2486	Internship	4

Second Semester

AGEQ	2301	Equine Behavior and Training II	3
AGEQ	2311	Equine Science II	3
AGCR	1307	Range Management	3
AGRI	2330	Wildlife Conservation Management	3
Total Hours			60

Horticultural Development (AGH14) 010104

Associate of Applied Science Degree

First Year

First Semester

			Credit
AGRI	1419	Introductory Animal Science	4
ENGL	1301	Composition I	3
AGRI	2317	Introduction to Agriculture Economics	3
AGRI	1309	Computers in Agriculture	3

Second Semester

HALT	1345	Golf/Sports Field/Park Management	3
or			
HALT	1324	Turfgrass Science and Management	3
AGRI	1407	Agronomy	4
ELEC		Humanities/Fine Arts Selection	3
FDST	1323	Principles of Viticulture I	3
AGRI	1415	Horticulture	4

Second Year

First Semester

HALT	1470	Horticulture - Home Gardening	4
MATH	1342	Elementary Statistical Methods	3
HALT	1319	Landscape Construction	3
or			
HALT	1322	Landscape Design	4
BIOL	1411	General Botany	4
AGMG	2486	Internship	4

Second Semester

FDST	2330	Principles of Viticulture II	3
HALT	2308	Greenhouse Management	3
ELEC		Social/Behavioral Science Selection	3
AGCR	2318	Soil Science	3
Total Hours			60

Aviation Science

The Central Texas College Aviation Science Department offers a two year program leading to an Associate of Applied Science degree and the Commercial Pilot Certificate with an Instrument Airplane rating. The curriculum includes 14 core aviation classes which are transferable to upper level institutions that offer Baccalaureate degrees in aviation. The Central Texas College Flight Training is conducted under Federal Aviation Association (FAA) regulations for FAR 141 Approved Schools. The local area offers an excellent training environment, which allows for efficient use of flight time. Central Texas College also offers advanced flight training for Flight Instructors and for Multi-Engine ratings. Extra curriculum activities include Alpha ETA Rho, the National Intercollegiate Aviation Fraternity and the Central Texas College Precision Flight Team which competes in the National Intercollegiate Flying Association (NIFA) competitions. Central Texas College is a member of the University Aviation Association.

Aviation Science (AVS15) 490102 Associate of Applied Science Degree

First Year

First Semester			Credit
AIRP	1315	Private Flight	3
AIRP	1417	Private Pilot Ground School	4
AIRP	1305	Aircraft Science	3
AIRP	1307	Aviation Meteorology	3
ENGL	1301	Composition I	3
Second Semester			
AIRP	1255	Intermediate Flight	2
AIRP	1341	Advanced Air Navigation	3
AIRP	2355	Propulsion Systems	3
MATH	1314	College Algebra	3
ENGL	1302	Composition II	3

Second Year

First Semester			
AIRP	2250	Instrument Flight	2
AIRP	1451	Instrument Ground School	4
AIRP	1343	Aerodynamics	3
ELEC		Science Selection (with Lab)	4
GOVT	2305	Federal Government	3
Second Semester			
AIRP	2239	Commercial Flight	2
AIRP	2337	Commercial Ground School	3
AVIM	2331	Airline Management	3
ELEC		Fine Arts Selection	3
ELEC		Humanities Elective (Literature)	3
Total Hours			60

Business

The Business Administration and Legal Assistant/Paralegal Department at Central Texas College offers 21 degrees and certificates through three divisions. Degree attainment in the career fields of business management, the hospitality industry, the legal assistant profession, homeland security, and real estate are available.

The Associate of Science degree in Business Administration is designed for the student wishing to pursue a Baccalaureate degree. The Central Texas College curriculum is designed to maximize the transfer of lower level course work to the Baccalaureate degree granting public education institution within the State of Texas.

The Associate of Applied Science and the certificate awards are designed to provide an entry-level, industry-validated "hands-on" approach to learning.

Business Administration (BUB15) 520101 Associate of Science Degree

First Semester			Credit
DEGR REQ	BUSI 1301	Business Principles	3
CORE REQ		Life and Physical Science Selection	4
CORE REQ	HIST 1301	U.S. History I	3
CORE REQ	ENGL 1301	Composition I	3
DEGR REQ	BCIS 1305	Business Computer Apps.	3
Second Semester			
CORE REQ		Life and Physical Science Selection	4
CORE REQ	HIST 1302	U.S. History II	3
CORE REQ	ECON 2301	Macroeconomics	3
CORE REQ	MATH 1314	College Algebra	3
Second Year			
First Semester			
DEGR REQ	ENGL 1302	Composition II	3
DEGR REQ	ACCT 2301	Principles of Financial Accounting	3
CORE REQ		Language/Philosophy/Culture (PHIL 1301*)	3
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		Component Area Option	4
Second Semester			
DEGR REQ	ACCT 2302	Principles of Managerial Accounting	3
CORE REQ	GOVT 2306	Texas Government	3
DEGR REQ		Social/Behavioral Science Selection (ECON 2302*)	3
CORE REQ		Communications (SPCH 1321)	3
CORE REQ		Creative Arts	3
Total Hours			60

* For students transferring to Universities with the State of Texas, MATH 1314, PHIL 1301 and ECON 2302 are highly recommended.

Child Development

People working with young children must have special skills: knowledge of child development, boundless patience, good judgment, real strength of character, and maturity to exercise the balance of control and latitude such young children require. Few fields offer so many job opportunities for people with such varying levels of education, in such a variety of settings, and with as many different scheduling patterns.

Child Development (CDS15) 190709 Associate of Applied Science Degree

First Year

First Semester

			Credit
CDEC/TECA	1311	Educating Young Children	3
CDEC	1313	Curriculum Resources for Early Childhood Programs	3
CDEC	1319	Child Guidance	3
CDEC	1164	Practicum - Child Development	1
ENGL	1301	Composition I	3
CDEC	1359	Children with Special Needs	3

Second Semester

CDEC	1358	Creative Arts for Early Childhood	3
CDEC/TECA	1354	Child Growth and Development	3
CDEC/TECA	1318	Wellness of the Young Child	3
CDEC/TECA	1303	Families, School and Community	3
CDEC	1321	The Infant and Toddler	3

Second Year

First Semester

CDEC	1356	Emergent Literacy for Early Childhood	3
CDEC	2164	Practicum - Child Development	1
CDEC	2307	Math & Science for Early Childhood	3
CDEC	2326	Administration of Programs for Children I	
or			
CDEC	2328	Admin. of Programs for Children II	3
SPCH		SPCH 1315, 1318, 1321 or 2341	3
MATH		MATH 1324, 1332, 1342 or higher level	
or			
ENVR	1401	Environmental Science I	4

Second Semester

BCIS	1305	Business Computer Applications	3
KINE		Physical Activity Course	1
CDEC	2288	Internship - Child Care Provider/Assistant	2
ELEC		Humanities/Fine Arts Selection	3
ELEC		Social/Behavioral Science Selection	3
Total Hours			60

Communications

The Communications Department at Central Texas College provides students with an academic foundation in English, speech, foreign language, and journalism to help them be successful in their chosen career field. The department offers Associates of Arts degrees in journalism and modern languages, both of which are designed for maximum transfer of lower-level course work to upper-level education institutions.

The Communications Department also offers many opportunities for students to become involved in activities that can enhance their educational experience. The Spanish Club offers students the opportunity to make new friends and practice their Spanish-speaking skills. Journalism students publish a monthly student newspaper. *Byways*, CTC's annual journal of arts and letters, publishes original art and writing by CTC students. The CTC Speech Team offers interested students an outstanding opportunity to improve speaking skills through competitions with two- and four-year schools around the state. The department also sponsors a local chapter of the Sigma Kappa Delta National English Honor Society.

Additionally, the Communications Department provides foundation skills for students interested in pursuing a degree in radio and television broadcasting. (See degree plans under Radio and Television Broadcasting.)

Journalism/Communications (COM5) 090401

Associate of Arts Degree

First Semester			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ		Creative Arts Selection	3
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Language/Philosophy/Culture Studies	3
Second Semester			
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	4
CORE REQ		Life and Physical Science Selection	4
CORE REQ		Social/Behavioral Science Selection	3
Second Year			
First Semester			
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		MATH 1332, 1342 or 1314	3
CORE REQ		Life and Physical Science Selection	4
DEGR REQ	COMM 1307	Intro. to Mass Comm.	3
DEGR REQ	COMM 2311	Media Writing	3
Second Semester			
DEGR REQ	COMM 2315	News Reporting	3
DEGR REQ	COMM 2389	Academic Cooperative	3
DEGR REQ	COMM 2327	Introduction to Advertising	3
DEGR REQ	COMM 1335	Survey of Radio/TV	3
Total Hours			60

Modern Language (FLA4) 160101

Associate of Arts Degree

First Semester		Credit	
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ		Creative Arts Selection	3
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ	LANG 1411	Beginning Foreign Language	4
Second Semester			
CORE REQ	SPCH 1315, 1318 or 1321		3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	3
CORE REQ		Life and Physical Science Selection	4
CORE REQ		Social/Behavioral Science Selection	3
Second Year			
First Semester			
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		MATH 1332, 1342 or 1314	3
CORE REQ		Life and Physical Science Selection	4
DEGR REQ	LANG 1412	Beg. Foreign Language II	4
Second Semester			
DEGR REQ	LANG 2311	Intermediate Foreign Lang.	3
DEGR REQ	LANG 2312	Intermediate Foreign Lang.	3
DEGR REQ	ANTH 2351	Cultural Anthropology	3
DEGR REQ	HUMA 1315	Fine Arts Appreciation	3
DEGR REQ		KINE Physical Activity Course	2
Total Hours			60

Information Technology (CSI17) 110103

Associate of Applied Science Degree

The primary job function of the Information Management professional is to assist others with using computer technology in the performance of their jobs. This requires a general knowledge of PC hardware and software, to include operating systems and applications such as word processors and spreadsheets, and the internet. This degree offers a clear path to understanding computers and today's technology.

First Year

First Semester			Credit
COSC	1301	Introduction to Computing	3
ITSC	1309	Integrated Software Applications I	3
ITSC	1325	Personal Computer Hardware (CompTIA A+)	3
or			
CPMT	1345	Computer Systems Maintenance	
ITNW	1358	Network+ (CompTIA Network+)	3
ENGL	1301	Composition I	3

Second Semester

ITSC	1405	Introduction to PC Operating Systems	4
ITNW	1337	Introduction to the Internet	3
ENGL	2311	Technical and Business Writing	3
ITSY	1342	Information Technology Security (CompTIA Security+)	3
MATH	1314	College Algebra	3

Second Year

First Semester			Credit
ITNW	1316	Network Administration	3
ITSC	1415	Project Management Software	4
IMED	1316	Web Design I	3
ITSE	1329	Programming Logic and Design	3
ELEC		PSYC 2301 or PSYC 2315 or PHIL 1301 or SOCI 1301	3

Second Semester

ITSE	1302	Computer Programming (Visual Basic)	3
ITSW	1307	Introduction to Database	3
HUMA	1315	Fine Arts Appreciation	3
ITSC	2435	Application Software Problem Solving	
or			
ITSC	2486	Internship – Computer and Information Sciences, General	4
Total Hours			60

Network Systems Administrator (CSN17) 111001

Associate of Applied Science Degree

A Network Systems Administrator plans, installs, and maintains multi-user networks. Job duties include: networking systems with different types of hardware and operating systems, ensuring system security and integrity, troubleshooting and repairing network problems, training network users, and writing documentation.

First Year

First Semester			Credit
ITSC	1309	Integrated Software Applications I	3
CETT	1325	Digital Fundamentals	3
ITNW	1358	Network+ (CompTIA Network+)	3
ENGL	1301	Composition I	3
MATH	1314	College Algebra	3

Second Semester

ITSE	1329	Programming Logic and Design	3
ITNW	1337	Introduction to the Internet	3
ITNW	1316	Network Administration	3
ENGL	2311	Technical and Business Writing	3
ELEC		PSYC 2301 or PSYC 2315 or PHIL 1301 or SOCI 1301	3

Emergency Medical Technology

The Emergency Medical Technology program is offered train applicants at the Emergency Medical Technician (EMT), Advanced EMT and Paramedic (Certificate or Associate of Applied Science) levels. Upon successful completion, students are eligible to take the National Registry exam to become certified at the specified level, through the National Registry of EMTs (NREMT) and the Texas Department of State Health Services. An Associate of Applied Science-Paramedic degree permits the student to apply for State Licensure through the Texas Department of State Health Services. Central Texas College offers the certificate of completion and an Associate Degree in Applied Science-Paramedic.

Emergency Medical Technology (EMT15) 510904 Associate of Applied Science Degree

First Year

First Semester			Credit
EMSP	1401	Emergency Medical Technician - Basic	4
EMSP	1160	Clinical-EMT	1
BIOL	2401	Anatomy and Physiology I	4
PSYC	2314	Life Span Growth and Development	3

Second Semester

EMSP	1338	Introduction to Advanced Practice	3
EMSP	1355	Trauma Management	3
EMSP	1356	Patient Assessment and Airway Management	3
BIOL	2402	Anatomy and Physiology II	4

Third Semester

EMSP	2206	Emergency Pharmacology	2
EMSP	2444	Cardiology	4
EMSP	2434	Medical Emergencies	4
EMSP	2262	Clinical- Paramedic	2

Second Year

First Semester

BIOL	2420*	Microbiology for Non-science Majors	4
EMSP	2330	Special Populations	3
EMSP	2143	Assessment Based Management	1
EMSP	2263	Clinical – Paramedic	2
EMSP	2305	EMS Operations	3

Second Semester

PSYC	2301	General Psychology	3
ENGL	1301	Composition I	3
EMSP	2164	Practicum/Field Experience	1
ELEC		Humanities/Fine Arts Selection	3

Total Hours **60**

* Biology 2421 may be accepted in lieu of BIOL 2420.

Engineering

The Associate of Science degree in Engineering is designed for the student wishing to pursue a Baccalaureate degree. The Central Texas College curriculum is designed to maximize the transfer of lower level course work to the Baccalaureate degree granting public education institution within the State of Texas.

Engineering (ENGF4) 140101 Associate of Science Degree

First Year

First Semester			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ		SPCH 1315, 1318, or 1321	3
CORE REQ		Creative Arts Selection	3
CORE REQ	MATH 2413	Calculus I	4

Second Semester

CORE REQ	HIST 1302	United States History II	3
CORE ELEC	CHEM 1411	General Chemistry I	4
DEGR REQ	ENGR 1201	Introduction to Engineering	2
CORE REQ	GOVT 2305	Federal Government	3

Third Semester

DEGR REQ	MATH 2414	Calculus II	4
CORE REQ		Component Area Option	3

Second Year

First Semester

CORE ELEC	PHYS 2426	University Physics II	4
DEGR REQ	ENGR 2301	Engineering Mechanics I – Statics	3
DEGR REQ	ENGR 2305	Electrical Circuits I	3

Second Semester

CORE REQ	GOVT 2306	Texas Government	3
DEGR REQ	ENGR 2332	Mechanics of Materials	3
CORE REQ		Language/Philosophy/Culture Studies	3
DEGR REQ	ENGR 2302	Engineering Mechanics II – Dynamics	3
CORE REQ		Social/Behavioral Science Selection	3

Total Hours

60

Notes:

In cases where freshman and/or sophomore degree requirements of the receiving college for a bachelor's degree differ from those listed above, changes can be made in the Associate in Art/Science degree requirements when approved by the appropriate department chair.

*Students not prepared to take MATH 2413, Calculus I may be required to take MATH 2412, Pre-Calculus.

**Students not prepared to take PHYS 2426, University Physics II may be required to take PHYS 2425, University Physics I.

Students are encouraged to complete the three course calculus series (MATH 2413, MATH 2414, and MATH 2415) with Central Texas College prior to transferring to a four year institution.

Fine Arts

The Fine Arts department at Central Texas College houses three distinct programs; Art, Drama and Music. An Associate of Arts Degree selected from one of the specializations in Art, Drama or Music is designed to transfer course hours to a 4 year university for a Baccalaureate degree. Individual courses within each curriculum also provide elective and individual enrichment opportunities. Students will complete courses toward the Texas "common core", and then choose eighteen hours of courses in their chosen specialization.

Art (ART4) 500702

Art majors will discover instruction in two-dimensional and three-dimensional studio courses, design, drawing, life drawing, painting, photography both traditional darkroom and digital processes, design communications with a focus on Adobe Photoshop and Illustrator programs, ceramics and art metals/jewelry. The following are the course listings related to the associate of arts degree:

Associate of Arts Degree

Complete Core	42
Art Specialization	18
Total Hours	60

Core

REQ	ENGL	1301	Composition I	3
REQ	HIST	1301	United States History I	3
REQ			Creative Arts Selection	3
REQ	GOVT	2306	Texas Government	3
REQ			Language/Philosophy/Culture Studies	3
REQ			SPCH 1315, 1318 or 1321	3
REQ	HIST	1302	United States History II	3
REQ			Component Area Option	4
REQ			Life and Physical Science Selection	4
REQ			Social/Behavioral Science Selection	3
REQ	GOVT	2305	Federal Government	3
REQ			MATH 1332, 1342 or 1314	3
REQ			Life and Physical Science Selection	4

Art Specialization Selection

Based on advisement choose eighteen credit hours from the following list: ARTS 1303, 1304, 1311, 1312, 1316, 1317, 2311, 2313, 2314, 2316, 2317, 2323, 2341, 2346, 2347, 2356, 2357, 2366, 2389 or HUMA 1315.

Commercial Art (CART4) 500402

The focus in commercial art accommodates the student with a specific visual art lean in drawing, photography or design. The following are the course listings related to the associate of arts degree with a commercial art specialization:

Associate of Arts Degree

Complete Core	42
Music Specialization	18
Total Hours	60

Core

REQ	ENGL	1301	Composition I	3
REQ	HIST	1301	United States History I	3
REQ			Creative Arts Selection	3
REQ	GOVT	2306	Texas Government	3
REQ			Language/Philosophy/Culture Studies	3
REQ			SPCH 1315, 1318 or 1321	3
REQ	HIST	1302	United States History II	3
REQ			Component Area Option	4
REQ			Life and Physical Science Selection	4
REQ			Social/Behavioral Science Selection	3
REQ	GOVT	2305	Federal Government	3
REQ			MATH 1332, 1342 or 1314	3
REQ			Life and Physical Science Selection	4

Commercial Art Specialization Selection

Based on advisement choose eighteen credit hours from the following list: ARTS 1303, 1304, 1311, 1312, 1316, 1317, 2323, 2313, 2314, 2341, 2346, 2347, 2356, 2357, 2389 or HUMA 1315

Drama (DRM15) 500501

Drama majors will investigate and develop an understanding of basic production elements through coursework focused on two distinct areas; performance and technical production including but not limited to acting, stagecraft, specialized practicum and film studies. The following are the course listings related to the associate of arts degree with a drama specialization:

Associate of Arts Degree

Complete Core	42
Drama Specialization	18
Total Hours	60

Core

REQ	ENGL	1301	Composition I	3
REQ	HIST	1301	United States History I	3
REQ			Creative Arts Selection	3
REQ	GOVT	2306	Texas Government	3
REQ			Language/Philosophy/Culture Studies	3
REQ			SPCH 1315, 1318 or 1321	3
REQ	HIST	1302	United States History II	3
REQ			Component Area Option	4
REQ			Life and Physical Science Selection	4
REQ			Social/Behavioral Science Selection	3
REQ	GOVT	2305	Federal Government	3
REQ			MATH 1332, 1342 or 1314	3
REQ			Life and Physical Science Selection	4

Drama Specialization Selection

Based on advisement choose eighteen credit hours from the following list: DRAM 1310, 1330, 1342, 1351, 2366, 1352, 2336, 2389.

Music (MUS15) 500901

The music program is designed for the student who wishes to enter the field(s) of music education, performance, and/or technology. The following are the course listings related to the associate of art degree with a music specialization:

Associate of Arts Degree

Complete Core	42
Music Specialization	18
Total Hours	60

Core

REQ	ENGL	1301	Composition I	3
REQ	HIST	1301	United States History I	3
REQ			Creative Arts Selection	3
REQ	GOVT	2306	Texas Government	3
REQ			Language/Philosophy/Culture Studies	3
REQ			SPCH 1315, 1318 or 1321	3
REQ	HIST	1302	United States History II	3
REQ			Component Area Option	4
REQ			Life and Physical Science Selection	4
REQ			Social/Behavioral Science Selection	3
REQ	GOVT	2305	Federal Government	3
REQ			MATH 1332, 1342 or 1314	3
REQ			Life and Physical Science Selection	4

Music Specialization Selection

*MUAP I, MUAP II, MUAP III, MUAP IV in area appropriate to student (Voice, Piano, Strings (including guitar), Brass, Percussion, or Woodwinds),

**MUEN 1132 Chamber (Small) Instrumental Ensemble,

**MUEN 1142 Large Vocal Ensemble,

**MUEN 1152 Chamber (Small) Vocal Ensemble,

[^]MUSI 1116 Sight Singing and Ear Training I, ^{^^}MUSI 1117 Sight Singing and Ear Training II, MUSI 1181 Piano Class I, MUSI 1183 Voice Class I, MUSI 1188 Percussion Class I, MUSI 1192 Guitar Class I, MUSI 1307 Music Literature, [^]MUSI 1311 Music Theory I, ^{^^}MUSI 1312 Music Theory II, MUSI 2311 Music Theory III, MUSI 2312 Music Theory IV, MUSI 1303 Fundamentals of Music I.

Notes

*MUAP (Individualized Instruction) and MUEN (Ensemble) must be taken each semester while attending CTC.

**MUEN 1132, MUEN 1142 and MUEN 1152 are residency requirements but do not transfer as credit toward the Bachelor of Music degree

[^]MUSI 1116 and MUSI 1311 should be taken concurrently

^{^^}MUSI 1117 and MUSI 1312 should be taken concurrently

General Studies

The two-year General Studies program offers a wide selection of courses to fulfill degree requirements for students who have special education needs that are not satisfied by other degree programs; who want to experiment in diverse areas; who want to expand their base of knowledge or enhance their personal development; who are looking for particular skills; or who are employed and feel a need to expand overall skills to better meet new employment needs.

General Studies (GST4) 240102 Associate of Arts Degree

This is a suggested curriculum.

Students must have a minimum of 15 semester credit hours within the Central Texas College System.

First Year

First Semester			Credit
ENGL	1301	Composition I	3
HIST	1301	United States History I	3
KINE		Physical Activity Course	1
ELEC		Electives*	9

Second Semester

SPCH		SPCH1315, 1318 or 1321	3
HIST	1302	United States History II	3
ELEC		MATH/Natural Science Selection	3
ELEC		Electives*	4

Second Year

First Semester

GOVT	2305	Federal Government	3
ELEC		Electives*	12

Second Semester

GOVT	2306	Texas Government	3
ELEC		Humanities/Fine Arts Selection	3
ELEC		Electives*	10

Total Hours **60**

Students who plan to transfer to other institutions for degree completion or to pursue a more advanced degree are advised to consult with officials of receiving school for degree requirements and transfer policy.

* Students may select 35 semester credit hours from courses that fulfill the student's educational goals.

Histological Technician

Histologic Technician (HLAB) 51.1008 Associate of Applied Science Degree

First Year

First Semester			Credit
HLAB	1401	Introduction to Histotechnology	4
MATH	1314	College Algebra	3
BIOL	2401	Anatomy & Physiology I	4
ELCT		Humanities/Fine Arts	3

Second Semester

HLAB	1302	Histotechnology I	3
BIOL	2402	Anatomy & Physiology II	4
HLAB	1305	Functional Histology I	3
CHEM	1411	General Chemistry I	4

Third Semester

HLAB	1443	Histotechnology II	4
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Second Year

First Semester			Credit
HLAB	2434	Histotechnology III	4
HLAB	1446	Functional Histology II	4
HLAB	1391	Special Topics Histotechnology	3
HLAB	1460	Clinical - Histologic Technology/Histotechnologist I	4

Second Semester

HLAB	2460	Clinical - Histologic Technology/Histotechnologist II	4
ENGL	1301	Composition I	3
HLAB	2341	Registry Review	3
ELCT		PSYC 2301 or SOCI 1301	3
Total Hours			60

* MATH 1314 is Prerequisite for CHEM 1411

Hospitality Management

The Central Texas College Hospitality Management program offers an Associate in Applied Science degree in three areas of specialization: Restaurant and Culinary Management, Food and Beverage Management and Hotel Management.

Students at CTC have an opportunity to complete their Associate of Applied Science Degree using a “stepping stone” approach. Students may begin by completing one or several of the certificates of completion available. The semester credit hours earned through these certificates can be applied to the requirements of Associates of Applied Science degree. These certificates will enable the student to put their education to work for them in a shorter period of time and still pursue the Associate of Applied Science Degree. These certificates include Property Management, Baking, Institutional Food Service Operations, Culinary Arts, Rooms Divisions, Food and Beverage Management, Restaurant Skills and Restaurant Operations.

Restaurant and Culinary Management (RCM15) 520901 Associate of Applied Science Degree

First Year

First Semester

			Credit
CHEF	1305	Sanitation and Safety	3
HAMG	1321	Intro to the Hospitality Industry	3
CHEF	1301	Basic Food Preparation	3
ELEC		Humanities/Fine Arts Selection	3
HAMG	2307	Hospitality Marketing and Sales	3
RSTO	1321	Menu Management	3

Second Semester

GOVT	2305	Federal Government	3
SPCH		SPCH 1315 or SPCH 1321	3
ELEC		CHEF/PSTR	3
HAMG	2301	Principles of Food and Beverage Operations	3

Second Year

First Semester

HAMG	2332	Hospitality Financial Management	3
ENGL	1301	Composition I	3
PSTR	1301	Fundamentals of Baking	3
ELEC		HAMG/IFWA/RSTO/TRVM	3

Second Semester

RSTO	1325	Purchasing for Hospitality Operations	3
MATH		MATH 1332 or MATH 1342	3
HAMG	1340	Hospitality Legal Issues	3
RSTO	1313	Hospitality Supervision	3
ELEC		Academic Elective	3
HAMG	2388	Internship	3
or			
HAMG	2373	Final Project	

Total Hours 60

Hotel Management Specialization (HMH15) 520901 Associate of Applied Science Degree

First Year

First Semester

			Credit
CHEF	1305	Sanitation and Safety	3
HAMG	1321	Intro to the Hospitality Industry	3
ELEC		Humanities/Fine Arts Selection	3
ELEC		Academic Elective	3

Second Semester

GOVT	2305	Federal Government	3
SPCH		SPCH 1315 or SPCH 1321	3
HAMG	2332	Hospitality Financial Management	3
RSTO	1313	Hospitality Supervision	3
HAMG	1313	Front Office Procedures	3
HAMG	2301	Principles of Food and Beverage Operations	3

Second Year**First Semester**

RSTO	1325	Purchasing for Hospitality Operations	3
RSTO	1204	Dining Room Service	2
HAMG	1342	Guest Room Management	3
MATH		MATH 1332 or MATH 1342	3
HAMG	1340	Hospitality Legal Issues	3
KINE		Physical Activity Course	1

Second Semester

HAMG	2337	Hospitality Facilities Management	3
ENGL	1301	Composition I	3
HAMG	2307	Hospitality Marketing and Sales	3
ELEC		HAMG/IFWA/RSTO/TRVM	3
HAMG	2388	Internship	3
or			
HAMG	2373	Final Project - Hospitality Management and Administration	60
Total Hours			60

Culinary Arts (HMC15) 520905
Associate of Applied Science Degree**First Year****First Semester**

			Credit
CHEF	1305	Sanitation and Safety	3
HAMG	1321	Intro to the Hospitality Industry	3
CHEF	1301	Basic Food Preparation	3
ELEC		Humanities/Fine Arts Selection	3
RSTO	1321	Menu Management	3

Second Semester

CHEF	1310	Garde Manger	3
GOVT	2305	Federal Government	3
SPCH		SPCH 1315 or SPCH 1321	3
CHEF	2301	Intermediate Food Preparation	3
CHEF	1302	Principles of Healthy Cuisine	3
CHEF	2302	Saucier	3

Second Year**First Semester**

ENGL	1301	Composition I	3
PSTR	1301	Fundamentals of Baking	3
CHEF	1341	American Regional Cuisine	3
CHEF	1345	International Cuisine	3

Second Semester

RSTO	1325	Purchasing for Hospitality Operations	3
MATH		MATH 1332 or MATH 1342	3
RSTO	1313	Hospitality Supervision	3
ELEC		Academic Elective	3
HAMG	2388	Internship	3
or			
HAMG	2373	Final Project	60
Total Hours			60

Interdisciplinary Studies

The Interdisciplinary Studies Associate of Arts degree offers a wide selection of courses to fulfill degree requirements for students who have special education desires that are not satisfied by other degree programs. Completion of the Core requirements will maximize transfer credit for those students who want to pursue a Baccalaureate degree. Students planning to attend a senior college should coordinate with that senior college to ensure that the courses taken at Central Texas College will fulfill the degree requirements there.

Interdisciplinary Studies (IDS4) 240101

Associate of Arts Degree

First Year

First Semester

			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ		Creative Arts Selection	3
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Language/Philosophy/Culture Studies	3

Second Semester

CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	4
CORE REQ		Life and Physical Science Selection	4
CORE REQ		Social/Behavioral Science Selection	3

Second Year

First Semester

CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		MATH 1314, 1332 or 1342	3
CORE REQ		Life and Physical Science Selection	4
DEGR REQ		Electives*	18
Total Hours			60

* Students may select 18 semester credit hours from TCCN courses that fulfill the student's educational goals.

Kinesiology

Kinesiology (KIN4) 310505

Associate of Science Degree

First Semester			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ	MATH 1314	College Algebra	3
CORE REQ		Component Area Option	4
DEGR REQ	KINE 1301	Intro. to Physical Fitness & Sport	3
DEGR REQ		KINE Physical Activity Course	1
Second Semester			
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Language, Philosophy & Culture	3
DEGR REQ	KINE 1306	First Aid	3
DEGR REQ		KINE Physical Activity Course	1
Second Year			
First Semester			
CORE REQ		Life and Physical Science (BIOL 2401 recommended)	4
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		Creative Arts Selection	3
DEGR REQ	KINE 1304	Personal/Comm. Health I	3
DEGR REQ		KINE Physical Activity Course	1
Second Semester			
CORE REQ		Life and Physical Science (BIOL 2402 recommended)	4
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Social/Behavioral Science Selection	3
DEGR REQ	KINE 1321	Coaching/Sports/Athletics I	3
DEGR REQ	KINE 1338	Concepts of Physical Fitness	3
Total Hours			60

VOCATIONAL NURSING

Vocational Nursing (NUVF5) 513901

Certificate of Completion Fall Admission

A 12 month certificate program which enables the graduate to sit the National Council Licensure Examination-Practical Nurse (NCLEX-PN®) and prepares graduates for practical/vocational nursing practice in a variety of health care settings. The V.N. program provides classroom instruction and coordinated supervised clinical experiences in the nursing care of clients in local affiliated health care agencies. The CTC V.N. program is approved by the Texas Board of Nursing (TBON).

First Semester (Prerequisites)			Credit
BIOL	2401	Anatomy & Physiology I	4
HPRS	2300	Pharmacology	3
Second Semester (fall)			
VNSG	1126	Gerontology	1
VNSG	1323	Basic Nursing Skills	3
VNSG	1222	Vocational Nursing Concepts	2
VNSG	1227	Essentials of Medication Administration	2
VNSG	2331	Advanced Nursing Skills	3
VNSG	1160	Clinical-Practical Nurse I	1
Third Semester (spring)			
VNSG	1301	Mental Health & Mental Illness	3
VNSG	1219	Leadership and Professional Development	2
VNSG	1429	Medical-Surgical Nursing I	4
VNSG	1560	Clinical-Practical Nurse II	5
Fourth Semester (summer)			
VNSG	1230	Maternal/Neonatal Nursing	2
VNSG	1234	Pediatrics	2
VNSG	1432	Medical-Surgical Nursing II	4
VNSG	2360	Clinical-Practical Nurse III	3
Total Hours			44

Vocational Nursing (NUVS6) 513901

Certificate of Completion Spring Admission

A 12 month certificate program which enables the graduate to sit the National Council Licensure Examination-Practical Nurse (NCLEX-PN®) and prepares graduates for practical/vocational nursing practice in a variety of health care settings. The V.N. program provides classroom instruction and coordinated supervised clinical experiences in the nursing care of clients in local affiliated health care agencies. The CTC V.N. program is approved by the Texas Board of Nursing (TBON).

First Semester (Prerequisites)			Credit
BIOL	2401	Anatomy & Physiology I	4
HPRS	2300	Pharmacology	3
Second Semester (spring)			
VNSG	1126	Gerontology	1
VNSG	1323	Basic Nursing Skills	3
VNSG	1222	Vocational Nursing Concepts	2
VNSG	1227	Essentials of Medication Administration	2
VNSG	2331	Advanced Nursing Skills	3
VNSG	1160	Clinical-Practical Nurse I	1
Third Semester (summer)			
VNSG	1230	Maternal/Neonatal Nursing	2
VNSG	1234	Pediatrics	2
VNSG	1432	Medical-Surgical Nursing II	4
VNSG	1360	Clinical-Practical Nurse II	3
Third Semester			
VNSG	1301	Mental Health & Mental Illness	3
VNSG	1219	Leadership and Professional Development	2
VNSG	1429	Medical-Surgical Nursing I	4
VNSG	2560	Clinical-Practical Nurse III	5
Total Hours			44

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Office Technology

The Office Technology Department offers educational paths for meaningful careers in professional and health-related office settings. Students master state-of-the-art computer software applications as well as communication and interpersonal skills to equip them for employment in the global workforce.

Six of the Office Technology certificates of completion within this program may be completed through the Career and Technology Education (CATE) Center. The CATE Center offers students instruction through an open-entry delivery format. This instructional clock hour format or semester credit hour provides flexibility to accommodate the special needs of the student.

Office Technology (OT15) 520401 Associate of Applied Science Degree

(* Course offered in both the open-entry and online delivery formats)

First Year

First Semester

			Cr/Clock
POFT	1329	Beginning Keyboarding*	3/96
POFI	1301	Computer Applications I*	3/96
POFT	1301	Business English*	3/96
POFT	1319	Records & Information Management I*	3/96
POFT	1325	Business Math Using Technology*	3/96
POFT	1309	Administrative Office Procedures I*	3/96

Second Semester

POFI	2301	Word Processing*	3/96
POFT	2312	Business Correspondence and Communication*	3/96
POFI	2331	Desktop Publishing*	3/96
POFI	1349	Spreadsheets*	3/96

Second Year

First Semester

POFT	2333	Advanced Keyboarding*	3/96
BMGT	1325	Office Management	3/96
HRPO	2301	Human Resources Management	3/96
POFT	1349	Administrative Office Procedures II*	3/96
ELEC		POFI/POFM/POFT Internship Selection*	3/144

Second Semester

SPCH		SPCH 1315 or 1321	3/96
ELEC		Humanities/Fine Arts Selection	3/96
ELEC		Social/Behavioral Science Selection	3/96
MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3/96
ENGL	1301	Composition I	3/96

Total Hours

60

Total Credit Hours

1968

Office Technology Specialist (OTS15) 520401 Certificate of Completion

(* Course offered in both the open-entry and online delivery formats)

First Semester

			Cr/Clock
POFT	1329	Beginning Keyboarding*	3/96
POFI	1301	Computer Applications I*	3/96
POFT	1301	Business English*	3/96
POFT	1319	Records & Information Mgmt. I*	3/96
POFT	1325	Business Math Using Technology*	3/96
POFT	1309	Administrative Office Procedures I*	3/96

Second Semester

POFI	2301	Word Processing*	3/96
POFT	2312	Business Correspondence and Communication*	3/96
POFI	2331	Desktop Publishing*	3/96
POFI	1349	Spreadsheets*	3/96

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Third Semester			
POFT	2333	Advanced Keyboarding*	3/96
BMGT	1325	Office Management*	3/96
HRPO	2301	Human Resources Management	3/96
POFT	1349	Administrative Office Procedures II*	3/96
ELEC		POFI/POFM/POFT Internship Selection*	3/144
Total Hours			45
Total Credit Hours			1440

General Office Assistant (OTG12) 520401

Certificate of Completion

(Offered at Texas Department of Criminal Justice Gatesville, Texas, Only)

First Semester			Credit
POFI	1301	Computer Applications I	3
POFT	1329	Beginning Keyboarding	3
POFT	1309	Administrative Office Procedures I	3
POFT	1301	Business English	3
Second Semester			
POFT	1325	Business Math Using Technology	3
POFT	1319	Records & Information Mgmt. I	3
POFT	2312	Business Correspondence and Communication	3
Third Semester			
POFI	2301	Word Processing	3
POFT	1349	Administrative Office Procedures II	
or			
POFI	2331	Desktop Publishing	3
POFI	1349	Spreadsheets	3
Total Hours			30

Office Technology Professional (OTP15) 520401

Certificate of Completion

(All courses offered in both the open-entry and online delivery formats)

First Semester			Cr/Clock
POFT	1329	Beginning Keyboarding	3/96
POFI	1301	Computer Applications I	3/96
POFT	1301	Business English	3/96
POFT	1319	Records & Information Mgmt. I	3/96
POFT	1325	Business Math Using Technology	3/96
POFT	1309	Administrative Office Procedures I	3/96
Second Semester			
POFI	2301	Word Processing	3/96
POFT	2312	Business Correspondence and Communication	3/96
POFI	2331	Desktop Publishing	3/96
POFI	1349	Spreadsheets	3/96
Total Hours			30
Total Clock Hours			960

Office Technology Support (OTSP5) 520401

Certificate of Completion

(All courses offered in block, open-entry and online delivery formats)

			Cr/Clock
POFT	1329	Beginning Keyboarding	3/96
POFI	1301	Computer Applications I	3/96
POFI	1301	Business English	3/96
POFT	1319	Records & Information Management I	3/96
POFT	1325	Business Math Using Technology	3/96
POFT	1309	Administrative Office Procedures I	3/96
Total Hours			18
Total Clock Hours			480

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Medical Office Technology (OTM15) 510716

Associate of Applied Science Degree

(*Courses offered in both the open-entry and online delivery formats)

First Year

First Semester			Cr/Clock
POFT	1329	Beginning Keyboarding*	3/96
POFI	1301	Computer Applications I*	3/96
POFT	1301	Business English*	3/96
HITT	1305	Medical Terminology I*	3/96
POFT	1325	Business Math Using Technology*	3/96
POFM	1317	Medical Administrative Support*	3/96

Second Semester

POFI	2301	Word Processing*	3/96
POFI	1349	Spreadsheets*	3/96
POFM	1302	Medical Software Applications*	3/96
HITT	1301	Health Data Content and Structure*	3/96

Second Year

First Semester			
POFT	2312	Business Correspondence and Communication*	3/96
HITT	1303	Medical Terminology II*	3/96
POFM	1327	Medical Insurance*	3/96
ELEC		POFI/POFM/POFT Internship Selection	3/144

Second Semester

ENGL	1301	Composition I	3/96
MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3/96
SPCH		SPCH 1315 or 1321	3/96
ELEC		Humanities/Fine Arts Selection	3/96
ELEC		Social/Behavioral Science Selection	3/96
ELEC		HITT/MDCA/MRMT/POFI/POFM/POFT Selection*	3/96

Total Hours

60

Total Clock Hours

1968

Medical Office Technology Specialist (OTMO5) 510716

Certificate of Completion

(All courses offered in both the open-entry and online delivery formats)

First Semester			Cr/Clock
POFT	1329	Beginning Keyboarding	3/96
POFI	1301	Computer Applications I	3/96
POFT	1301	Business English	3/96
HITT	1305	Medical Terminology I	3/96
POFT	1325	Business Math Using Technology	3/96
POFM	1317	Medical Administrative Support	3/96

Second Semester

POFI	2301	Word Processing	3/96
POFI	1349	Spreadsheets	3/96
POFM	1302	Medical Software Applications	3/96
HITT	1301	Health Data Content and Structure	3/96

Third Semester

POFT	2312	Business Correspondence and Communication	3/96
HITT	1303	Medical terminology II	3/96
POFM	1327	Medical Insurance	3/96
ELEC		POFI/POFM/POFT Internship Selection	3/144

Total Hours

42

Total Clock Hours

1392

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Medical Office Technology Professional (OTMP) 510716

Certificate of Completion

(All courses offered in both the open-entry and online delivery formats)

First Year

First Semester			Cr/Clock
POFT	1329	Beginning Keyboarding	3/96
POFI	1301	Computer Applications I	3/96
POFT	1301	Business English	3/96
HITT	1305	Medical Terminology I	3/96
POFT	1325	Business Math Using Technology	3/96
POFM	1317	Medical Administrative Support	3/96

Second Semester

POFI	2301	Word Processing	3/96
POFI	1349	Spreadsheets	3/96
POFM	1302	Medical Software Applications	3/96
HITT	1301	Health Data Content and Structure	3/96
Total Hours			30
Total Clock Hours			960

Medical Office Technology Support (OTMS5) 510716

Certificate of Completion

(All courses offered in both the open-entry and online delivery formats)

First Semester			Cr/Clock
POFT	1329	Beginning Keyboarding	3/96
POFI	1301	Computer Applications I	3/96
POFT	1301	Business English	3/96
HITT	1305	Medical Terminology I	3/96
POFT	1325	Business Math Using Technology	3/96
POFM	1317	Medical Administrative Support	3/96
Total Hours			18
Total Clock Hours			576

Medical Coding and Billing (OTMCB) 510713

Associate of Applied Science

(Program may be completed online, some courses available in traditional or open-entry format) (*Courses available in open-entry format)

First Year

First Semester			Cr/Clock
HITT	1305	Medical Terminology I*	3/96
POFM	1302	Medical Software Applications*	3/96
HITT	1301	Health Data Content & Structure*	3/96
HITT	1341	Coding and Classification Systems*	3/96
MDCA	1302	Human Disease/Pathophysiology	3/96

Second Semester

HITT	2335	Coding and Reimbursement Methodologies	3/96
HITT	1303	Medical Terminology II*	3/96
POFM	1327	Medical Insurance*	3/96
MDCA	1309	Anatomy & Physiology for Medical Assistants	3/96
POFM	2310	Intermediate Medical Coding	3/96

Second Year

First Semester			Cr/Clock
POFI	1301	Computer Applications I*	3/96
POFT	1301	Business English*	3/96
HITT	1349	Pharmacology	3/96
HITT	2361	Clinical - Health Information/Medical Records Technology/Technician	3/144

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Second Semester			
ENGL	1301	Composition I	3/96
MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3/96
SPCH		SPCH 1315 or 1321	3/96
ELEC		Humanities/Fine Arts Selection	3/96
ELEC		Social/Behavioral Science Selection	3/96
ELEC		HITT/MDCA/MRMT/POFM*	3/96
Total Hours			60
Total Clock Hours			1968

Medical Coding and Billing (OTMC5) 510713

Certificate of Completion

(Program may be completed online, some courses available in traditional or open-entry format) (All courses offered in both open-entry and online delivery formats.)

First Semester			Cr/Clock
HITT	1305	Medical Terminology I	3/96
POFM	1302	Medical Software Applications	3/96
HITT	1301	Health Data Content & Structure	3/96
HITT	1341	Coding and Classification Systems	3/96
MDCA	1302	Human Disease/Pathophysiology	3/96
Second Semester			
HITT	2335	Coding and Reimbursement Methodologies	3/96
HITT	1303	Medical Terminology II	3/96
POFM	1327	Medical Insurance	3/96
MDCA	1309	Anatomy & Physiology for Medical Assistants	3/96
POFM	2310	Intermediate Medical Coding	3/96
Third Semester			
POFI	1301	Computer Applications I	3/96
POFT	1301	Business English	3/96
HITT	1349	Pharmacology	3/96
HITT	2361	Clinical-Health Information/Medical Records Technology/Technician	3/144
Total Hours			42
Total Clock Hours			1392

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Paralegal/Legal Assistant

The Paralegal/Legal Assistant curriculum is designed primarily for persons who seek full or part-time employment as paralegals. The curriculum also serves students who are exploring their interest in law related careers, including as lawyers. The 2-year program culminates in an Associate of Applied Science Degree. Students may start in the program in any of the three semesters and each semester, one or more classes are offered online.

Paralegal/Legal Assistant (LAS15) 220302 Associate of Applied Science Degree

First Year

First Semester

			Credit
LGLA	1301	Legal Research and Writing	3
LGLA	1307	Introduction to Law and the Legal Profession	3
ENGL	1301	Composition I	3
ELEC		BCIS 1305 or ITSC 1309	3

Second Semester

LGLA	1317	Law Office Technology	3
LGLA	1345	Civil Litigation	3
LGLA	1351	Contracts	3
LGLA	1355	Family Law	3
MATH		MATH 1324 or 1342 or 1332	3
SPCH		SPCH 1315 or 1321	3

Second Year

First Semester

LGLA	1353	Wills, Trusts, and Probate Administration	3
POFT	1307	Proofreading and Editing	
or			
ACNT	1311	Introduction to Computerized Accounting	
or			
ACNT	1329	Payroll and Business Tax Accounting	3
LGLA	2303	Torts and Personal Injury Law	3
POFT	2312	Business Correspondence and Communication	3
GOVT	2305	Federal Government	3

Second Semester

LGLA	2313	Criminal Law and Procedures	3
POFT	1309	Administrative Office Procedures I	3
ELEC		Humanities/Fine Arts Selection	3
LGLA		Legal Elective	3
LGLA	2333	Advanced Legal Document Preparation	
or			
LGLA	2335	Advanced Civil Litigation	3
Total Hours			60

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

**Paralegal/Legal Assistant (LAS16) 220301
Certificate of Completion**

First Year

First Semester			Credit
LGLA	1301	Legal Research and Writing	3
LGLA	1307	Introduction to Law and the Legal Profession	3
LGLA	1317	Law Office Technology	3
LGLA	1351	Contracts	3
LGLA	1355	Family Law	3

Second Semester

LGLA	1345	Civil Litigation	3
LGLA	1353	Wills, Trusts, and Probate Administration	3
ELEC		BCIS 1305 or ITSC 1309	3
POFT	1309	Administrative Office Procedures I	3
POFT	1307	Proofreading and Editing	
or			
ACNT	1311	Introduction to Computerized Accounting	
or			
ACNT	1329	Payroll and Business Tax Accounting	3
Total Hours			30

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Protective Services

The Protective Services Department follows the principles and guidelines of the Central Texas College mission, utilizing its resources to provide qualified individuals for local, state, national, and international public criminal justice agencies. Further, it assists students in making intelligent career choices and assists the field in providing qualified employees by guaranteeing the performance of its graduates.

Criminal Justice (CJCJ5) 430104 Associate of Applied Science Degree

First Year

First Semester

		Credit
CJSA1322/CRIJ 1301	Introduction to Criminal Justice	3
CJSA 2300/CRIJ 2323	Legal Aspects of Law Enforcement	3
CJSA 1313/CRIJ 1306	Court Systems and Practices	3
CJSA 1312/CRIJ 1307	Crime in America	3
ENGL 1301	Composition I	3

Second Semester

CJSA 1327/CRIJ 1310	Fundamentals of Criminal Law	3
CJSA 1317/CRIJ 1313	Juvenile Justice System	3
CJSA 1348	Ethics in Criminal Justice	3
ENGL	ENGL 1302 or 2311	3
MATH	MATH 1332, 1342 or higher level	3

Second Year

First Semester

CJSA 1359/CRIJ 2328	Police Systems and Practices	3
CJSA 1342/CRIJ 2314	Criminal Investigation	3
ELEC	Criminal Justice Elective	3
SOCI 1301	Introduction to Sociology	3
GOVT 2305	Federal Government	3

Second Semester

CJSA 2331	Child Abuse, Prevention and Investigation	3
ELEC	Criminal Justice Elective	3
SPCH	SPCH 1315 or SPCH 1321	3
ELEC	Humanities/Fine Arts Selection	3
ELEC	Computer Technology Skills	3

Total Hours 60

Criminal Justice - Corrections Specialization (CJCR5) 430104 Associate of Applied Science Degree

First Year

First Semester

		Credit
CJSA 1322/CRIJ 1301	Introduction to Criminal Justice	3
CJCR 2325	Legal Aspects of Corrections	3
CJSA 1313/CRIJ 1306	Court Systems and Practices	3
CJSA 1312/CRIJ 1307	Crime in America	3
ENGL 1301	Composition I	3

Second Semester

CJSA 1327/CRIJ 1310	Fundamentals of Criminal Law	3
CJCR 1304	Probation and Parole	3
CJSA 1348	Ethics in Criminal Justice	3
ENGL	ENGL 1302 or 2311	3
MATH	MATH 1332, 1342 or higher level	3

Second Year

First Semester

CJCR 1307/CRIJ 2313	Correctional Systems and Practices	3
CJCR 2324/CRIJ 2301	Community Resources in Corrections	3
ELEC	Criminal Justice Elective	3
SOCI 1301	Introduction to Sociology	3
GOVT 2305	Federal Government	3

Second Semester

CJCR 1358	Rights of Prisoners	3
ELEC	Criminal Justice Elective	3
SPCH	SPCH 1315 or SPCH 1321	3
ELEC	Humanities/Fine Arts Selection	3
ELEC	Computer Technology Skills	3

Total Hours 60

Criminal Justice Studies with Specialization 430104 Certificate of Completion

First Year

First Semester (Core Courses)

		Credit
CJSA 1312/CRIJ 1307	Crime in America	3
CJSA 1313/CRIJ 1306	Court Systems and Practices	3
CJSA 1348	Ethics in Criminal Justice	3
CJSA 1322/CRIJ 1301	Intro to Criminal Justice	3
CJSA 1359/CRIJ 2328	Police Systems and Practices	3
Core Courses Total		15

(Criminal Justice Studies Specialization-CJCJ)

Second Semester

CJSA 1342/CRIJ 2314	Criminal Investigation	3
CJSA 1327/CRIJ 1310	Fundamentals of Criminal Law	3
CJSA 1317/CRIJ 1313	Juvenile Justice System	3
CJSA 2300/CRIJ 2323	Legal Aspects of Law Enforcement	3
ELEC	Criminal Justice Elective	3
Specialization Courses Total		15

Certificate Total

30

(Criminal Justice Corrections Specialization-CJCR)

Second Semester

CJCR 2325	Legal Aspects of Corrections	3
CJCR 1304	Probation and Parole	3
CJCR 1307/CRIJ 2313	Correctional Systems and Practices	3
CJCR 2324/CRIJ 2301	Community Resources in Corrections	3
ELEC	Criminal Justice Elective	3

Specialization Courses Total

15

Certificate Total

30

Basic Peace Officer (BPC4) 430107 Certificate of Completion

		Credit
CJLE 1506	Basic Peace Officer I	5
CJLE 1512	Basic Peace Officer II	5
CJLE 1518	Basic Peace Officer III	5
CJLE 1524	Basic Peace Officer IV	5
CJLE 1329	Basic Peace Officer V	3
Total Hours		23

Fire Protection Technology (BFPC.CC)

Central Texas College offers the workforce education courses listed below in Fire Protection Technology.

FIRT 1301	Fundamentals of Fire Protection	3
FIRT 1309	Fire Administration I	3
FIRT 2309	Firefighting Strategies and Tactics I	3
FIRT 1338	Fire Protection Systems	3
Total Hours		12

Upon successful completion of 12 semester credit hours the student may meet the initial employment requirements of a municipal fire department.

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Public Administration

This program is designed for individuals interested in entering the field of Emergency Management Planning and Homeland Security and additionally for those currently in an emergency response profession seeking to update or broaden their skills. The Associate of Applied Science degree and certificate will prepare students for decision making, problem solving, and skills to plan, implement, and coordinate resources necessary for preparedness, mitigation, response, and recovery from disasters. A number of the courses are pre-approved equivalents to courses offered by the Texas Department of Emergency Management and the Federal Management Agency.

Homeland Security and Emergency Management (HS15) 440401 Associate of Applied Science Degree

First Year

First Semester			Credit
HMSY	1337	Introduction to Homeland Security	3
EMAP	1400	Principles of Basic Emergency Management	4
HMSY	1371	Counter Terrorism	3
ENGL	1301	Composition I	3
GOVT	2305	Federal Government	3

Second Semester

HMSY	1338	Homeland Security Emergency Communications Management	3
HMSY	1340	Homeland Security Intelligence Operations	3
HMSY	1341	Critical Infrastructure Protection	3
HMSY	1342	Understanding and Combating Terrorism	3

Second Year

First Semester

KINE		Physical Activity Course	1
ELEC		Humanities/Fine Arts Selection	3
MATH		MATH 1332, 1342 or higher level	3
HMSY	1370	IT Security for Homeland Security Specialists	3
ELEC		Social/Behavioral Science Selection	3
EMAP	2355	Disaster Recovery	3

Second Semester

EMAP	2300	Developing Volunteer Resources and Decision Making	3
EMAP	2301	Leadership and Effective Communication	3
EMAP	2302	Managing Mass Casualty and Fatality Incidents	3
HMSY	2337	Managing a Unified Incident Command	3
HMSY	1470	Final Project in Homeland Security and Emergency Management	4
Total Hours			60

Homeland Security and Emergency Management (HS15) 440401 Certificate of Completion

First Semester			Credit
HMSY	1337	Introduction to Homeland Security	3
EMAP	1400	Principles of Basic Emergency Management	4
HMSY	1341	Critical Infrastructure Protection	3
HMSY	1338	Homeland Security Emergency Communications Management	3
HMSY	1342	Understanding and Combating Terrorism	3

Second Semester

EMAP	2355	Disaster Recovery	3
EMAP	2300	Developing Volunteer Resources and Decision Making	
or			
HMSY	1370	IT Security for Homeland Security Specialists	3
EMAP	2301	Leadership and Effective Communication	
or			
HMSY	1371	Counter Terrorism	3
HMSY	2337	Managing a Unified Incident Command	3
HMSY	1470	Final Project in Homeland Security and Emergency Management	4
Total Hours			32

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Homeland Security (HSHS) 440401
Certificate of Completion

First Semester			Credit
HMSY	1337	Introduction to Homeland Security	3
HMSY	1340	Homeland Security Intelligence Ops	3
HMSY	1341	Critical Infrastructure Protection	3
HMSY	1342	Understanding and Combating Terrorism	3
HMSY	2337	Managing a Unified Incident Command	3
HMSY	1371	Counter Terrorism	3
Total Hours			18

Emergency Management (EMHS) 440401
Certificate of Completion

First Semester			Credit
EMAP	1400	Principles of Basic Emergency Management	4
EMAP	2300	Developing Volunteer Resources and Decision Making	3
EMAP	2302	Managing Mass Casualty and Fatality Incidents	3
EMAP	2355	Disaster Recovery	3
HMSY	1338	Homeland Security Emergency Communications Management	3
Total Hours			16

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/

Radio and Television Broadcasting

We are on the threshold of a communications revolution. The number of channels of information which can be delivered to people around the world is increasing at a staggering rate. The Radio/Television Broadcasting Program at Central Texas College prepares students to be the innovators and the creative leaders for this growing communications future. Hands-on, practical, and comprehensive, the program instructs students in a variety of broadcasting fields, present and future.

The Associate of Arts degree in Radio/Television Broadcasting is designed for the student wishing to pursue a Baccalaureate degree. The Central Texas College curriculum is designed to maximize the transfer of lower level course work to the Baccalaureate degree granting institution. As well as providing transfer credits and a hands-on, practical learning experience, the Certificates of Completion provide students with foundation skills which may be applied to the Central Texas College Associates of General Studies degree.

Radio/Television Broadcasting (RTB14) 090701

Associate of Art Degree

First Semester			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
DEGR REQ	COMM 1335	Introduction to Electronic Media	3
DEGR REQ	COMM 2303	Audio Production	3
DEGR REQ	COMM 1336	Video Production I	3
Second Semester			
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	4
DEGR REQ	COMM 1337	Video Production II	3
DEGR REQ	COMM 2324	Practicum in Electronic Media (Audio)	3
Second Year			
First Semester			
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		MATH 1332, 1342 or 1314	3
CORE REQ		Life and Physical Science Selection	4
CORE REQ		Creative Arts Selection	3
CORE REQ		Language/Philosophy/Culture Studies	3
Second Semester			
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Life and Physical Science Selection	4
CORE REQ		Social/Behavioral Science Selection	3
DEGR REQ		COMM 2327, 2331, 2332, 2339 or 2366	3
Total Hours			60

Radio/Television Broadcasting-Audio Emphasis (RTA4) 090701

Associate of Art Degree

First Semester			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ		Creative Arts Selection	3
DEGR REQ	COMM 1335	Introduction to Electronic Media	3
DEGR REQ	COMM 2303	Audio Production	3
Second Semester			
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	4
DEGR REQ	COMM 2332	Radio/TV News	3
DEGR REQ	COMM 2324	Practicum in Electronic Media (Audio)	3
Second Year			
First Semester			
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		MATH 1332, 1342 or 1314	3
CORE REQ		Life and Physical Science Selection	4
DEGR REQ	COMM 2331	Radio/TV Announcing	3
CORE REQ	GOVT 2306	Texas Government	3

Science

The Associate of Science degrees offered through the Science Department at Central Texas College are designed for the student wishing to pursue a Baccalaureate degree. The Central Texas College curriculum is designed to maximize the transfer of lower level course work to the Baccalaureate degree granting public education institution within the State of Texas. Associate of Science degrees are available in Biology, Chemistry, Environmental Science and Geology. These degrees provide the foundation skills required of many diverse career fields from the health care industry to the emerging alternative energy area.

Biology - Organismal (BIO14) 260101

Associate of Science Degree

First Year

First Semester

			Credit
CORE REQ	MATH 1314	College Algebra	3
DEGR REQ	BIOL 1406	Biology for Science Majors I	4
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
DEGR REQ		KINE Physical Activity	1

Second Semester

DEGR REQ	BIOL 1407	Biology for Science Majors II	4
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Language/Philosophy/Culture Studies	4
DEGR REQ		KINE Physical Activity	1

Second Year

First Semester

CORE REQ		BIOL 1411 or ENVR 1401	4
CORE REQ	CHEM 1411	General Chemistry I	4
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		Social/Behavioral Science Selection	3

Second Semester

DEGR REQ	BIOL 2421	Microbio. for Science Majors	4
DEGR REQ	BIOL 1413	General Zoology	4
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Component Area Option	3
CORE REQ		Creative Arts Selection	3

Total Hours

60

Biology - Human Biology (BIOL4) 260101

Associate of Science Degree

First Year

First Semester

			Credit
CORE REQ	MATH 1314	College Algebra	3
DEGR REQ	BIOL 1406	Biology for Science Majors I	4
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
DEGR REQ		KINE Physical Activity	1

Second Semester

DEGR REQ	BIOL 1407	Biology for Science Majors II	4
CORE REQ	CHEM 1411	General Chemistry I	4
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3

Summer Semester

CORE REQ	CHEM 1412	General Chemistry II	4
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Second Year**First Semester**

CORE REQ	BIOL 2421	Microbiology for Science Majors	4
DEGR REQ	CHEM 2423	Organic Chemistry I	4
CORE REQ		Social/Behavioral Science Selection	3
CORE REQ	GOVT 2305	Federal Government	3

Second Semester

DEGR REQ	CHEM 2425	Organic Chemistry II	4
CORE REQ		Language/Philosophy/Culture Studies	3
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Creative Arts Selection	3
DEG REQ		KINE Physical Activity	1
Total Hours			60

Chemistry (CHEM4) 400501**Associate of Science Degree****First Year****First Semester**

			Credit
CORE REQ	MATH 1314	College Algebra	3
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ	BIOL 1406	Biology for Science Maj. I	4
DEG REQ		KINE Physical Activity	1

Second Semester

DEGR REQ	CHEM 1411	General Chemistry I	4
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	3
CORE REQ		Social/Behavioral Science Selection	3
DEG REQ		KINE Physical Activity	1

Summer Semester

DEGR REQ	CHEM 1412	General Chemistry II	4
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Second Year**First Semester**

DEGR REQ	CHEM 2423	Organic Chemistry I	4
CORE REQ	PHYS 1401	College Physics I	4
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		Language/Philosophy/Culture Studies	3

Second Semester

DEGR REQ	CHEM 2425	Organic Chemistry II	4
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ	SPCH 1315, 1318 or 1321		3
CORE REQ		Creative Arts Selection	3
Total Hours			60

Environmental Science (ENV4) 030104**Associate of Science Degree****First Year****First Semester**

			Credit
CORE REQ	MATH 1314	College Algebra	3
CORE REQ	ENVR 1401	Environmental Science	4
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
DEG REQ		KINE Physical Activity	1

Second Semester

DEGR REQ	CHEM 1411	General Chemistry I	4
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	3
DEG REQ		KINE Physical Activity	1

Summer Semester

DEGR REQ	CHEM 1412	General Chemistry II	4
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Second Year**First Semester**

DEGR REQ	GEOL 1403	Physical Geology	4
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		Language/Philosophy/Culture Studies	3
DEGR REQ		BIOL 1406 or 1411 or PHYS 1401	4

Second Semester

CORE REQ		Life and Physical Science Select from BIOL 1407 or 1413 or PHYS 1402	4
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Creative Arts Selection	3
CORE REQ		Social/Behavioral Science Selection	3
Total Hours			60

Geology (GEOL4) 400601**Associate of Science Degree****First Year****First Semester**

		Credit	
CORE REQ	MATH 1314	College Algebra	3
DEGR REQ	GEOL 1403	Physical Geology	4
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
DEG REQ		KINE Physical Activity (KINE 1110 recommended)	1

Second Semester

DEGR REQ	GEOL 1404	Historical Geology	4
CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
DEG REQ	CHEM 1411	General Chemistry I	4
DEG REQ		KINE Physical Activity (KINE 1111 recommended)	1

Second Year**First Semester**

DEGR REQ		GEOL 1405 or ENVR 1401	4
DEGR REQ		BIOL 1406 or PHYS 1401	4
CORE REQ	GOVT 2305	Federal Government	3
CORE REQ		Creative Arts Selection	3

Second Semester

DEGR REQ		BIOL 1407, CHEM 1412 or PHYS 1402	4
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Language/Philosophy/Culture Studies	4
CORE REQ		Social/Behavioral Science Selection	3
CORE REQ		Component Area Option	3
Total Hours			60

Social Science

The Associate of Arts degree in Social Science is designed for the student wishing to pursue a Baccalaureate degree in one of the many liberal arts career fields. The Central Texas College curriculum is designed to maximize the transfer of lower level course work to the Baccalaureate degree granting public education institution within the State of Texas. The Associate of Arts in Social Science allows the student to choose instruction from a broad range of Social and Behavioral Science courses. This degree provides the foundation skills required of many diverse career fields from anthropology to sociology.

Social Science (SOC4) 450101

Associate of Arts Degree

First Year

First Semester

			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ		Creative Arts Selection	3
CORE REQ		MATH 1332, 1342 or 1314	3
CORE REQ		Language/Philosophy/Culture Studies	3

Second Semester

CORE REQ		SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302	United States History II	3
CORE REQ		Component Area Option	4
CORE REQ		Life and Physical Science Selection	4
CORE REQ	GOVT 2305	Federal Government	3

Second Year

First Semester

CORE REQ		Social/Behavioral Science Selection	3
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ		Life and Physical Science Selection	4
DEGR REQ		Foreign Language	4

Second Semester

DEGR REQ		Social and Behavioral Science Selection	3
DEGR REQ		Social and Behavioral Science Selection	3
DEGR REQ		Foreign Language	4
DEGR REQ		KINE Physical Activity Course	1
DEGR REQ		Social and Behavioral Science Selection	3
Total Hours			60

Teacher Education

The Associate of Arts in Teaching degree is designed for the student wishing to transfer to a senior institution within the State of Texas to pursue Teaching Certification. The AAT curriculum is the foundation for most Bachelor level degrees.

Teaching Certification (TEA5) 131210

Associate of Arts in Teaching Degree

First Year

First Semester

			Credit
EDUC	1301	Intro to Teaching Profession**	3
or			
ELEC		Social/Behavioral Science Selection*	
MATH	1314	College Algebra*	3
ENGL	1301	Composition I*	3
ELEC		Life and Physical Science Selection*	4
PSYC	2301	General Psychology*	3

Second Semester

MATH	1350	Mathematics for Teachers I**	3
ELEC		Life and Physical Science Selection*	4
HIST	1301	United States History I*	3
SPCH		SPCH 1315, 1318 or 1321*	3
ENGL	1302	Composition II*	3

Second Year

First Semester

MATH	1351	Mathematics for Teachers II**	3
ENGL	2327	American Literature I	3
GOVT	2305	Federal Government*	3
HIST	1302	United States History II*	3
ELEC		Life and Physical Science Selection**	4

Second Semester

EDUC	2301	Introduction to Special Populations**	3
or			
TECA	1354	Child Growth and Development	
ELEC		Creative Arts Selection*	3
GOVT	2306	Texas Government*	3
ELEC		Component Area Option* (ENGL 2328 preferred)	3

Total Hours

60

* Core Requirements

** EC-6 Requirements, 4-8, EC-12 Special Education

Welding Technology

This program is designed for students desiring to prepare themselves for a welding career. The program provides entry-level, industry-validated, "hands-on" instruction using current technologies and equipment. Studies include welding safety, tools and equipment, machine setup and operation, gas

welding and cutting, plasma cutting, shielded metal arc

welding, electrode identification and use, MIG welding, TIG welding, pipe welding, blueprint reading, weld testing, and welding

fabrication. Welding positions 1G through 4G are

covered in plate welding and positions 1G through 6G are

covered in pipe welding. E6010 and E7018 electrodes are used. AWS Certification criteria are used throughout the program.

The certificates of completion within this program may be completed through the Vocational Skills Center. The Vocational Skills Center offers students instruction in a self-paced, open-entry delivery format. This instructional clock hour format provides flexibility to accommodate the special needs of the student.

Welding (WLD15) 480508 **Associate of Applied Science Degree**

First Year

First Semester

			Credit
WLDG	1323	Welding Safety Tools and Equipment	3
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
MATH	1332	Contemporary Mathematics	3

Second Semester

WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG	1313	Introduction to Blueprint Reading for Welders	3
ENGL	1301	Composition I	3

Second Year

First Semester

WLDG	1430	Introduction to Gas Metal Arc (GMAW) Welding	4
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG	1435	Introduction to Pipe Welding	4
GOVT	2305	Federal Government	3

Second Semester

WLDG	2453	Advanced Pipe Welding	4
SPCH		SPCH 1315 or 1321	3
WLDG	1312	Introduction to Flux Core Arc Welding (FCAW)	3
ELEC		Humanities/Fine Arts Selection	3
WLDG	2435	Advanced Layout and Fabrication	
or			
WLDG	2488	Internship	4

Total Hours **60**

Welding Technology (WLD15) 480508

Certificate of Completion

			Cr/Clock
WLDG	1323	Welding Safety, Tools & Equipment	3/96
WLDG	1313	Introduction to Blueprint Reading for Welders	3/96
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4/96
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4/96
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4/96
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4/144
WLDG	1430	Introduction to Gas Metal Arc (GMAW) Welding	4/96
WLDG	1312	Introduction to Flux Core Arc Welding (FCAW)	3/96
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4/96
WLDG	2451	Advanced Gas Tungsten Arc (GTAW) Welding	4/96
WLDG	2453	Advanced Pipe Welding	4/144
WLDG	1435	Introduction to Pipe Welding	4/96
WLDG	2435	Advanced Layout and Fabrication	4/96
or			
WLDG	2488	Internship	4/304
Total Hours			49
Total Clock Hours			1344/1552

Farm and Ranch (WLFR3) 480508

Certificate of completion

			Cr/Clock
WLDG	1323	Welding Safety, Tools & Equipment	3/96
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4/96
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4/96
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4/96
WLDG	1430	Introduction to Gas Metal Arc (GMAW) Welding	4/96
Total Hours			19
Total Clock Hours			480

Structural (WLS15) 480508

Certificate of Completion

(Requires completion of WLFR3 certificate)

			Cr/Clock
WLDG	1313	Introduction to Blueprint Reading for Welders	3/96
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4/96
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4/96
WLDG	1312	Introduction to Flux Core Arc Welding (FCAW)	3/96
WLDG	1435	Introduction to Pipe Welding	4/96
Total Hours			18
Total Clock Hours			480

Industrial Welding Transition (WLTP) 480508

Certificate of Completion

(Offered at the Fort Hood Campus only)

This certificate of completion will be offered under the Veterans Opportunity to Work Act (VOW) in conjunction with the welding industry and is designed for service members transitioning out of the military to gain job skills through instruction and hands-on labs with the goal of preparation for civilian employment.

			Cr/Clock
WLDG	1323	Welding Safety, Tools, and Equipment	3/96
WLDG	1434	Introduction to Gas Tungsten Arc Welding	3/96
WLDG	1457	Intermediate Shielded Metal Arc Welding	4/96
WLDG	2447	Advanced Gas Metal Arc Welding	4/96
WLDG	2453	Advanced Pipe Welding	4/144
Total Hours			19
Total Clock Hours			528

Gainful Employment information on certificate programs can be found at ctcd.edu/academics/gainful-employment/