

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			Credit
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 ELEC	Life and Physical Science Selection		4
DEGR REQ	AGRI 1407	Agronomy	4

Second Semester

DEGR REQ	AGRI 2317	Intro. to Agri. Economics	3
CORE ELEC	Language/Philosophy/Cultural Studies		3
CORE ELEC	Social/Behavioral Science Selection		3
CORE ELEC	Component Area Option		4
CORE ELEC	Creative Art 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
ELCT	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
ELCT	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
AGRI 2301	Agriculture Power Units		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

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	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	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
ELCT	Humanities/Fine Arts Selection		3
MATH 1342	Elementary Statistical Methods		3
ELCT	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
AGRI 1407	Agronomy		4
ELCT	Humanities/Fine Arts Selection		3
HALT 1324	Turfgrass Science and Management		3
or			
HALT 1338	Irrigation Water Management and Conservation		
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		
BIOL 1411	General Botany		4
AGMG 2486	Internship		4

Second Semester

AGRI 2301	Agriculture Power Units		3
HALT 2308	Greenhouse Management		3
ELCT	Social/Behavioral Science Selection		3
AGCR 2318	Soil Science		3
Total Hours			60

Agricultural Industries (AGI13) 010104

Certificate of Completion

First Semester

First Semester			Credit
AGRI 1309	Computers in Agriculture		3
AGRI 1131	Agriculture Industry		1
AGRI 1407	Agronomy		4
OR			
AGRI 1419	Introduction to Animal Science		
AGCR 1307	Range Management		3
AGEQ 1311	Equine Science I		3

Second Semester

AGRI 2330	Wildlife Conservation and Mgmt.		3
AGAH 1347	Animal Reproduction		3
OR			
AGAH 1353	Beef Cattle Management		
AGAH 1343	Animal Health		3
AGEQ 2311	Equine Science II		3
OR			
HALT 1322	Landscape Design		

Third Semester

AGEQ 1301	Equine Behavior and Training I		3
OR			
HALT 2308	Greenhouse Management		
AGRI 2301	Agriculture Power Units		3
AGRI 2317	Introduction to Agriculture Economics		3
AGAH 2313	Principles of Feeds and Feeding		3
OR			
AGCR 2318	Soil Science		

Fourth Semester

AGEQ 1319	Western Horsemanship I		3
OR			
HALT 1319	Landscape Construction		
AGEQ 2301	Equine Behavior and Training II		3
OR			
HALT 1345	Golf/Sports Field/Park Management		
AGMG 2306	Livestock and Meat Marketing		3
AGMG 2486	Internship		4
Total Hours			51

Production Specialization (AGP12) 010104

Certificate of Completion

First Semester

First Semester			Credit
AGRI 1131	The Agriculture Industry		1
AGRI 1419	Introductory Animal Science		4
AGAH 1343	Animal Health		3
AGRI 1309	Computers in Agriculture		3

Second Semester

AGMG 2306	Livestock and Meat Marketing		3
AGAH 2313	Principles of Feed and Feeding		3
AGAH 1353	Beef Cattle Production		3
AGCR 1307	Range Management		3
AGRI 2317	Agriculture Economics		3
Total Hours			26

Horticultural Specialization (AGH12) 010104

Certificate of Completion

First Semester

First Semester			Credit
AGRI 1131	The Agriculture Industry		1
AGRI 1309	Computers in Agriculture		3
HALT 1324	Turf Grass Management		3
AGRI 1415	Horticulture		4

Second Semester

HALT 1338	Irrigation/Water Management		3
HALT 1470	Horticulture Home Gardening		4
HALT 2308	Greenhouse Management		3
AGCR 2318	Soil Science		3
Total Hours			24

Equine Specialization (AGE12) 010104

Certificate of Completion

First Semester

First Semester			Credit
AGRI 1131	The Agriculture Industry		1
AGRI 1309	Computers in Agriculture		3
AGRI 1419	Introduction to Animal Science		4
AGEQ 1301	Equine Behavior and Training I		3
AGEQ 1311	Equine Science I		3

Second Semester

AGAH 1343	Animal Health		3
AGRI 2317	Introduction to Agriculture Economics		3
AGAH 2313	Principles of Feeds and Feeding		3
AGEQ 1319	Western Horsemanship I		3
Total Hours			26

Automotive Mechanic

This program is designed for the student who wishes to enter the Automotive Repair career field. It provides entry-level, industry-validated, hands-on learning covering the entire spectrum of Automotive Service and Repair using the latest technologies in automotive systems, tools, and equipment. Instruction is to ASE requirements.

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

Automotive Mechanic/Technician (AUMT) 470604 Associate of Applied Science Degree

First Year

First Semester		Credit
AUMT 1405	Intro. to Automotive Technology	4
AUMT 2305	Automotive Engine Theory	3
AUMT 1407	Automotive Electrical Systems	4
AUMT 2437	Automotive Electronics	4
MATH 1332	Contemporary Mathematics	3

Second Semester

AUMT 1472	Automotive Computer Systems	4
AUMT 1445	Automotive Climate Control Systems	4
AUMT 1410	Automotive Brake Systems	4
AUMT 2413	Automotive Drive Train and Axles	4
ENGL 1301	Composition I	3

Second Year

First Semester

SPCH	SPCH 1315 or 1321	3
AUMT 1416	Automotive Suspension and Steering Systems	4
ELCT	Computer Technology Skills	3
AUMT 2417	Automotive Engine Performance Analysis I	4
GOVT 2305	Federal Government	3

Second Semester

AUMT 2425	Automotive Automatic Transmission and Transaxle	4
AUMT 2434	Automotive Engine Performance Analysis II	4
ELCT	Humanities/Fine Arts Selection	3
ELCT	Elective	3
AUMT 1419	Automotive Engine Repair	
or		
AUMT 2488	Internship	4
Total Hours		72

Automotive Technician (AUTT) 470604

Certificate of Completion

		Cr/Clock
AUMT 1405	Intro. to Automotive Technology	4/96
AUMT 2305	Automotive Engine Theory	3/64
AUMT 1407	Automotive Electrical Systems	4/144
AUMT 2437	Automotive Electronics	4/96
AUMT 2417	Automotive Engine Performance Analysis I	4/144
AUMT 1445	Automotive Climate Control Systems	4/128
AUMT 1472	Automotive Computer Systems	4/144
AUMT 1410	Automotive Brake Systems	4/128
AUMT 1416	Automotive Suspension and Steering Systems	4/128
AUMT 2413	Automotive Drive Train and Axles	4/128
AUMT 2425	Automotive Automatic Transmission and Transaxle	4/128
AUMT 2434	Automotive Engine Performance Analysis II	4/144
WLDG 2413	Intermediate Welding Using Multiple Processes	4/144
AUMT 1419	Automotive Engine Repair	4/96
or		
AUMT 2488	Internship	4/304
Total Hours		55
Total Clock Hours		1712/1920

Basic Automotive Technician (AUB13) 470604

Certificate of Completion

		Cr/Clock
AUMT 1405	Intro. to Automotive Technology	4/96
AUMT 1407	Automotive Electrical Systems	4/144
AUMT 1410	Automotive Brake Systems	4/128
AUMT 1416	Automotive Suspension and Steering Systems	4/128
AUMT 2305	Automotive Engine Theory	3/64
or		
AUMT 2488	Internship	4/304
Total Hours		19/20
Total Clock Hours		560/800

Automotive System Specialist (AUSS) 470604

Certificate of Completion

		Cr/Clock
AUMT 1405	Intro. to Automotive Technology	4/96
AUMT 2305	Automotive Engine Theory	3/64
AUMT 1407	Automotive Electrical Systems	4/144
AUMT 2437	Automotive Electronics	4/96
AUMT 1445	Automotive Climate Control Systems	4/128
AUMT 1410	Automotive Brake Systems	4/128
AUMT 1416	Automotive Suspension and Steering Systems	4/128
AUMT 2413	Automotive Drive Train and Axles	4/128
AUMT 2425	Automotive Automatic Transmissions and Transaxles	4/128
WLDG 2413	Intermediate Welding Using Multiple Processes	4/144
or		
AUMT 2488	Internship	4/304
Total Hours		39
Total Clock Hours		1184/1344

Automotive Tune-Up Specialist (AUTS)

470604

Certificate of Completion

			Cr/Clock
AUMT	1405	Intro. to Automotive Technology	4/96
AUMT	2305	Automotive Engine Theory	3/64
AUMT	1407	Automotive Electrical Systems	4/144
AUMT	2437	Automotive Electronics	4/96
AUMT	2417	Automotive Engine Performance Analysis I	4/144
AUMT	1472	Automotive Computer Systems	4/144
AUMT	2434	Automotive Engine Performance Analysis II	4/144
AUMT	1419	Automotive Engine Repair	4/96
or			
AUMT	2488	Internship	4/304
Total Hours			31
Total Clock Hours			928/1136

Truck Driving (CVMS) 490205

Noncredit Marketable Skills Achievement

			CEU	Contact Hours
CVOP	2033	Advanced Driving Skills I	8	80
CVOP	2037	Advanced Driving Skills II	8	80
Total Hours			16	160

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 (AVSC) 490102

Associate of Applied Science Degree

First Year

			Credit
AIRP	1315	Private Flight	3
AIRP	1417	Private Pilot Ground School	4
AIRP	1305	Aircraft Science	3
ENGL	1301	Composition I	3
MATH	1414	College Algebra	4

Second Semester

AIRP	1255	Intermediate Flight	2
AIRP	1341	Advanced Air Navigation	3
AIRP	1307	Aviation Meteorology	3
SPCH	1315	Public Speaking	3
ENGL	1302	Composition II	3
ELCT		Approved Elective	3

Third Semester

AIRP	2250	Instrument Flight	2
AIRP	1451	Instrument Ground School	4
ELCT		Science Selection (with Lab)	4
KINE		Physical Activity Course	1

Second Year

First Semester

AIRP	2239	Commercial Flight	2
AIRP	2337	Commercial Ground School	3
AIRP	1343	Aerodynamics	3
ELCT		Computer Technology Skills	4
ELCT		Fine Arts Selection	3

Second Semester

AIRP	2355	Propulsion Systems	3
GOVT	2305	Federal Government	3
AVIM	2331	Airline Management	3
ELCT		Humanities Elective (Literature)	3
Total Hours			72

Aviation Science Certificate (AVSC)

490102

Certificate of Completion

First Semester

AIRP	1315	Private Flight	3
AIRP	1417	Private Pilot Ground School	4
AIRP	1305	Aircraft Science	3

Second Semester

AIRP	1255	Intermediate Flight	2
AIRP	1341	Advanced Air Navigation	3
AIRP	1307	Aviation Meteorology	3
AIRP	1343	Aerodynamics	3

Third Semester

AIRP	2250	Instrument Flight	2
AIRP	1451	Instrument Ground School	4
AIRP	2355	Propulsion	3

Fourth Semester

AIRP	2239	Commercial Flight	2
AIRP	2337	Commercial Ground School	3
AVIM	2331	Airline Management	3
Total Hours			38

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 ELEC	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			Credit
CORE ELEC	Life and Physical Science Selection		4
CORE REQ	HIST 1302	U.S. History II	3
CORE ELEC	Social & Behavioral Sciences Selection		3
CORE ELEC	Mathematics (MATH 1414)		4

Second Year

First Semester			Credit
DEGR REQ	ECON 2301	Macroeconomics	3
DEGR REQ	ACCT 2301	Principles of Accounting I	3
CORE ELEC	Language, Philosophy & Culture (PHIL1301 or HUMA 1315)		3
CORE REQ	GOVT 2305	Federal Government	3
CORE ELEC	Component Area Option (ENGL 1302)		3

Second Semester			Credit
DEGR REQ	ACCT 2302	Principles of Accounting II	3
CORE REQ	GOVT 2306	Texas Government	3
DEGR REQ	ECON 2302	Microeconomics	3
CORE ELEC	Communications (SPCH 1321)		3
CORE ELEC	Creative Arts		3
Total Hours			60

Business Management (BUBM5)

520201

Associate of Applied Science Degree

First Year			Credit
First Semester			Credit
HRPO	1311	Human Relations	3
ENGL	1301	Composition I	3
ITSC	1309	Integrated Software Applications I	3
or			
BCIS	1305	Business Computer Applications	
BUSI	1301	Business Principles	3
SPCH	SPCH 1315 or 1321		3
KINE	Physical Activity Course		1

Second Semester			Credit
BMGT	1325	Office Management	3
BMGT	1327	Principles of Management	3
MRKG	1311	Principles of Marketing	3
ELCT	BMGT 2370, BMGT 2488 or RELE 2488		3
KINE	Physical Activity Course		1

Second Year

First Semester			Credit
MATH	MATH 1332, 1342 or higher level		3
ACCT	2301	Principles of Financial Accounting	3
HRPO	2301	Human Resource Management	3
BUSG	2305	Business Law/Contracts	3
or			
BUSI	2301	Business Law	
ECON	ECON 2301 or 2302		3

Second Semester

BUSG	2309	Small Business Management	3
ACCT	2302	Principles of Managerial Accounting	3
ELCT	Humanities/Fine Arts Selection		3
BMGT	1301	Supervision	3
ELCT	BMGT 2371, 2489, or RELE 2489		4
Total Hours			60

Business Management (BUBM5)

520201

Certificate of Completion

First Semester			Credit
BUSI	1301	Business Principles	3
BMGT	1327	Principles of Management	3
HRPO	1311	Human Relations	3
ITSC	1309	Integrated Software Applications I	3
or			
BCIS	1305	Business Computer Applications	
MRKG	1311	Principles of Marketing	3

Second Semester			Credit
HRPO	2301	Human Resource Management	3
BMGT	1301	Supervision	3
BUSG	2305	Business Law/Contracts	
or			
BUSI	2301	Business Law	3
ELCT	BUSI/BMGT/BUSG/RELE/MRKG		3
ELCT	BMGT 2370, BMGT 2488, RELE 2488		3-4
Total Hours			30-31

Entrepreneurship (BUEN5) 520201

Certificate of Completion

First Semester			Credit
BUSG	2309	Small Business Management	3
POFT	1325	Business Math Using Technology	3
ITSC	1309	Integrated Software Applications	3
or			
BCIS	1305	Business Computer Applications	
MRKG	1311	Principles of Marketing	3
ACCT	2301	Principles of Financial Accounting	3

Second Semester			Credit
HRPO	2301	Human Resource Management	3
BUSG	2305	Business Law/Contracts	
or			
BUSI	2301	Business Law	3
ELCT	BUSI/BMGT/BUSG/RELE/IMED/ MRKG		3-4
BUSG	1370	Small Business Accounting	3
BUSG	1371	Entrepreneurship and Business Plan Development	3
Total Hours			30-31

Business Management Marketing and

Sales Management Specialization

(BUMS5) 520201

Associate of Applied Science Degree

First Year			Credit
First Semester			Credit
HRPO	1311	Human Relations	3
ENGL	1301	Composition I	3
BUSI	1301	Business Principles	3
ITSC	1309	Integrated Software Applications I	3
or			
BCIS	1305	Business Computer Applications	
SPCH	SPCH 1315 or 1321		3

Diesel System Specialist (DES12)

470605

Certificate of Completion

		Cr/Clock
DEMR	1401	Shop Safety and Procedures 4/96
DEMR	1405	Basic Electrical Systems 4/144
DEMR	1416	Basic Hydraulics 4/144
DEMR	1421	Power Train I 4/144
DEMR	1447	Power Train II 4/96
DEMR	1417	Basic Brake Systems 4/128
DEMR	1330	Steering and Suspension I 3/96
DEMR	1423	Heating, Ventilation, and Air Conditioning, Troubleshooting and Repair 4/128
WLDG	2413	Intermediate Welding Using Multiple Processes 4/144
or		
DEMR	2488	Internship 4/304
Total Hours		35
Total Clock Hours		1120/1280

Diesel Engine Specialist (DESP)

470605

Certificate of Completion

		Cr/Clock
DEMR	1401	Shop Safety and Procedures 4/96
DEMR	1406	Diesel Engine I 4/96
DEMR	1405	Basic Electrical Systems 4/144
DEMR	1410	Diesel Engine Testing and Repair I 4/128
DEMR	2434	Advanced Diesel Tune-Up and Troubleshooting 4/144
DEMR	2412	Diesel Engine Testing and Repair II 4/144
DEMR	1449	Diesel Engine II 4/144
WLDG	2413	Intermediate Welding Using Multiple Processes 4/144
or		
DEMR	2488	Internship 4/304
Total Hours		32
Total Clock Hours		1040/1200

Drafting and Design

The Computer-Aided Drafting & Design Department (CADD) at Central Texas College provides a flexible, competency-based program of study. The program is based on the competencies which are common to all drafting and design technicians. Emphasis is on developing the student's critical thinking process, world of work skills, as well as drafting procedures and techniques.

Computer-Aided Drafting and Design (DFT12) 151301

Associate of Applied Science Degree

First Year

		Credit
DFTG	1405	Technical Drafting 4
DFTG	2412	Technical Illustration and Presentation 4
DFTG	1409	Basic Computer-Aided Drafting 4
MATH	MATH 1332, 1342 or 1414	3-4

Second Semester

DFTG	2417	Descriptive Geometry 4
DFTG	2402	Machine Drafting 4
DFTG	2440	Solid Modeling/Design 4
ENGL	1301	Composition I 3
SPCH	SPCH 1315 or 1321	3

Second Year

First Semester

DFTG	1417	Architectural Drafting-Residential 4
DFTG	1458	Electrical/Electronics Drafting 4
ARCE	1452	Structural Drafting 4
ELCT		Approved Elective 3
ELCT		Humanities/Fine Arts Selection 3

Second Semester

DFTG	2423	Pipe Drafting 4
DFTG	2421	Topographical Drafting 4
DFTG	2438	Final Project -Advanced Drafting 4
ELCT		Social/Behavioral Science Selection 3
Total Hours		66-67

Computer-Aided Drafting and Design (DFT12) 151301

Certificate of Completion

		Credit
DFTG	1405	Technical Drafting 4
DFTG	2412	Technical Illustration and Presentation 4
DFTG	1409	Basic Computer-Aided Drafting 4
DFTG	2417	Descriptive Geometry 4
DFTG	2402	Machine Drafting 4
DFTG	2440	Solid Modeling/Design 4
MATH	1332	Contemporary Mathematics 3
Total Hours		27

Electronics

Computer Electronics and Networking has become the fastest growing technology career field in the world today. There are computers and networking systems imbedded in all facets of our lives. The Central Texas College Electronics program is designed for the student who wishes to enter the computer repair or networking career fields. It provides entry-level, industry-validated, hands-on instruction covering Computer Servicing and Repair and Computer Networking using state of the art tools and methodologies. Upon completion of this program of study, CTC graduates can expect to enter the job market with the skills required to succeed in this fast-paced industry.

Computer Electronics (ELC14) 151202

Associate of Applied Science Degree

First Year

		Credit
CETT	1321	Electronics Fabrication 3
CETT	1325	Digital Fundamentals 3
CETT	1303	DC Circuits 3
CPMT	1303	Introduction to Computer Technology 3

Second Semester

MATH	MATH 1332, 1342 or higher level	3
CETT	1305	AC Circuits 3
CETT	1429	Solid State Devices 4
ENGL	1301	Composition I 3
ELCT		Social/Behavioral Science Selection 3

Second Year**First Semester**

CPMT 1345	Computer Systems Maintenance	3
CPMT 1449	Computer Networking Technology	4
CETT 1449	Digital Systems	4
CETT 1441	Solid State Circuits	4

Second Semester

CPMT 1404	Microcomputer Systems Software	4
ELMT 2435	Certified Electronics Tech. Training	4
ELCT	Humanities/Fine Arts Selection	3
ELMT 1301	Programmable Logic Controllers	3
SPCH	SPCH 1315 or 1321	3
Total Hours		60

Computer Electronics Technology (ELC14) 151202**Certificate of Completion****First Semester**

		Credit
CPMT 1303	Introduction to Computer Technology	3
CETT 1325	Digital Fundamentals	3
CETT 1303	DC Circuits	3
ENGL 1301	Composition I	3

Second Semester

CETT 1305	AC Circuits	3
CETT 1429	Solid State Devices	4
CPMT 1345	Computer Systems Maintenance	3
SPCH	SPCH 1315 or 1321	3
Total Hours		25

Network Professional Specialization (ELF14) 151202**Associate of Applied Science Degree****First Year****First Semester**

		Credit
CPMT 1303	Introduction to Computer Technology	3
CETT 1325	Digital Fundamentals	3
CETT 1303	DC Circuits	3
ITCC 1401	Exploration-Network Fundamentals	4

Second Semester

CETT 1321	Electronics Fabrication	3
CETT 1305	AC Circuits	3
ITCC 1404	CISCO Exploration 2-Routing Protocols and Concepts	4
MATH	MATH 1332, 1342 or higher level	3
ENGL 1301	Composition I	3

Second Year**First Semester**

CPMT 1345	Computer Systems Maintenance	3
ITNW 1451	Fundamentals of Wireless LANs	4
ITCC 2408	CISCO Exploration 3-LAN Switching and Wireless	4
ELCT	Social/Behavioral Science Selection	3

Second Semester

ITCC 2441	CCNA Security	4
or		
ITCC 2459	Advanced Voice Over Internet Protocol (VOIP)	4
ITCC 2410	CISCO Exploration 4-Accessing the WAN	4
ITNW 1313	Computer Virtualization	3
ELCT	Humanities/Fine Arts Selection	3
SPCH	SPCH 1315 or 1321	3
Total Hours		60

Network Professional Specialization**(ELN14) 151202****Certificate of Completion****First Semester**

		Credit
CETT 1321	Electronics Fabrication	3
CETT 1303	DC Circuits	3
CPMT 1303	Introduction to Computer Technology	3
ITCC 1401	Exploration-Network Fundamentals	4

Second Semester

ITCC 1404	CISCO Exploration 2-Routing Protocols and Concepts	4
CETT 1325	Digital Fundamentals	3
CETT 1305	AC Circuits	3
ENGL 1301	Composition I	3
Total Hours		26

Networking and Network Security (ELN11) 151202**Certificate of Completion****First Semester**

		Credit
ITCC 1401	Exploration-Network Fundamentals	4
ITCC 1404	CISCO Exploration 2-Routing Protocols and Concepts	4

Second Semester

ITCC 2408	CISCO Exploration 3-LAN Switching and Wireless	4
ITCC 2410	CISCO Exploration 4-Accessing the WAN	4

Third Semester

ITCC 2441	CCNA Security	4
Total Hours		20

Networking and Wireless Networking (ELNW) 151202**Certificate of Completion****First Semester**

		Credit
ITCC 1401	Exploration-Network Fundamentals	4
ITCC 1404	CISCO Exploration 2-Routing Protocols and Concepts	4

Second Semester

ITCC 2408	CISCO Exploration 3-LAN Switching and Wireless	4
ITCC 2410	CISCO Exploration 4-Accessing the WAN	4

Third Semester

ITNW 1451	Fundamentals of Wireless LANs	4
Total Hours		20

Networking and Network Telephony (VoIP) (ELNV) 151202**Certificate of Completion****First Semester**

		Credit
ITCC 1401	Exploration-Network Fundamentals	4
ITCC 1404	CISCO Exploration 2-Routing Protocols and Concepts	4

Second Semester

ITCC	2408	CISCO Exploration 3-LAN Switching and Wireless	4
ITCC	2410	CISCO Exploration 4-Accessing the WAN	4

Third Semester

ITCC	2459	Advanced Voice over Internet Protocol (VoIP)	4
Total Hours			20

Emergency Medical Technology

The Emergency Medical Technology program is offered to certified EMT-B or Advanced EMT applicants. Upon successful completion, students are eligible to take the exam to become certified as an Emergency Medical Technician – Paramedic through the National Registry of EMTs (NREMT) and the Texas Department of State Health Services. Central Texas College offers the certificate of completion and an Associate Degree in Applied Science.

Emergency Medical Technology (EMT13) 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
KINE		Physical Activity Course	1

Second Semester

EMSP	1356	Patient Assessment and Airway Management	3
EMSP	1338	Introduction to Advanced Practice	3
EMSP	1355	Trauma Management	3
EMSP	1166	Practicum-EMT	1
BIOL	2402	Anatomy and Physiology II	4
ELCT		Elective	3

Third Semester

EMSP	2444	Cardiology	4
ENGL	1301	Composition I	3
PSYC	2301	General Psychology	3

Second Year**First Semester**

EMSP	2434	Medical Emergencies	4
SPCH		SPCH 1315, 1318 or 1321	3
KINE		Physical Activity Course	1
ELCT		Humanities/Fine Arts Selection	3
EMSP	1167	Practicum-EMT	1

Second Semester

EMSP	2330	Special Populations	3
BIOL	2420	Microbiology for Non-science Majors*	4
ITSC	1409	Integrated Software Applications I	4

Third Semester

EMSP	2143	Assessment Based Management	1
EMSP	1268	Practicum-EMT	2
EMSP	2338	EMS Operations	3
Total Hours			69

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

EMT - Paramedic (EMP9) 510904

Certificate of Completion

Upon successful completion of EMSP 1401 and EMSP 1160, students are eligible to sit for the EMT-Basic exam.

Upon successful completion of EMSP 1355, EMSP 1356, EMSP 1338 and EMSP 1166 students are eligible to sit for the Advanced EMT exam.

Upon successful completion of the certificate, students are eligible to sit for the EMT-Paramedic exam.

			Credit
EMSP	1401	Emergency Medical Technician -Basic	4
EMSP	1160	Clinical-EMT	1
EMSP	1338	Introduction to Advanced Practice	3
EMSP	1356	Patient Assessment and Airway Management	3
EMSP	1355	Trauma Management	3
EMSP	1166	Practicum-EMT	1
EMSP	2444	Cardiology	4
EMSP	2434	Medical Emergencies	4
EMSP	1167	Practicum-EMT	1
EMSP	2330	Special Populations	3
EMSP	2338	EMS Operations	3
EMSP	2143	Assessment Based Management	1
EMSP	1268	Practicum-EMT	2
Total Hours			33

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

Fall Semester

			Credit
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE ELEC		Creative Art Selection	3
CORE ELEC		Mathematics (MATH 1414)	4
DEGR REQ	ENGR 1201	Introduction to Engineering	2

Spring Semester

CORE ELEC	SPCH 1315, 1318 or 1321		3
CORE REQ	HIST 1302	United States History II	3
DEGR REQ	MATH 2412	Pre-Calculus	4
CORE ELEC		Life and Physical Science (PHYS 2425)	4

Summer Semester

DEGR REQ	MATH 2413	Calculus I	4
CORE ELEC		Component Area Option	3

Second Year

First Semester

CORE REQ	GOVT 2305 Federal Government	3
DEGR REQ	MATH 2414 Calculus II	4
CORE ELEC	Life and Physical Science Selection	4
DEGR REQ	ENGR 2301 Eng. Mechanics I – Statics	3

Second Semester

CORE REQ	GOVT 2306 Texas Government	3
CORE ELEC	Language/Philosophy/Cultural Studies	3
DEGR REQ	MATH 2415 Calculus III	4
DEGR REQ	ENGR 2302 Eng. Mechs. II – Dynamics	3
CORE ELEC	Social/Behavioral Science Selection	3
Total Hours		66

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

First Year

First Semester	Credit
CORE REQ ENGL 1301 Composition I	3
CORE REQ HIST 1301 United States History I	3
CORE ELEC Creative Art Selection	3
CORE REQ GOVT 2306 Texas Government	3
CORE ELEC Language/Philosophy/Cultural Studies	3

Second Semester

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

Second Year

First Semester

CORE REQ GOVT 2305 Federal Government	3
CORE REQ MATH 1332, 1342 or 1414	3-4
CORE ELEC Life and Physical Science Selection	4
DEGR REQ Art Focus	6

Based on advisement choose six credits from the following:

ARTS 1303, 1304, 1311, 1316, 2313, 2314, 2316, 2323, 2341, 2342, 2346, 2347, 2356, 2357 or HUMA 1315.

Second Semester

DEGR REQ Art Focus	12
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Based on advisement choose twelve credits from the following:

ARTS 1303, 1304, 1311, 1312, 1316, 1317, 2311, 2313, 2314, 2316, 2317, 2323, 2341, 2342, 2346, 2347, 2356, 2357, 2366 or HUMA 1315.

Total Hours	60
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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

First Year

First Semester	Credit
CORE REQ ENGL 1301 Composition I	3
CORE REQ HIST 1301 United States History I	3
CORE ELEC Creative Art Selection	3
CORE REQ GOVT 2306 Texas Government	3
CORE ELEC Language/Philosophy/Cultural Studies	3

Second Semester

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

Second Year

First Semester

CORE REQ GOVT 2305 Federal Government	3
CORE REQ MATH 1332, 1342 or 1414	3-4
CORE ELEC Life and Physical Science Selection	4
DEGR REQ Commercial Art Focus	6

Based on advisement choose six credits from the following:

ARTS 1303, 1304, 1311, 1316, 2323, 2313, 2314, 2356, 2357 or HUMA 1315

Second Semester

DEGR REQ Commercial Art Focus	12
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Based on advisement choose twelve credits from the following:

ARTS 1303, 1304, 1311, 1312, 1316, 1317, 2323, 2313, 2314, 2356, 2357 or HUMA 1315

Total Hours	60
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Drama (DRM14) 500501

Drama majors will investigate and develop foundation skills through coursework focused on two distinct areas; performance and technical theatre production including but not limited to acting, stagecraft and specialized practicum. 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
ELEC Creative Art Selection	3
REQ GOVT 2306 Texas Government	3
ELEC Language/Philosophy/Cultural Studies	3
REQ SPCH 1315, 1318 or 1321	3
REQ HIST 1302 United States History II	3
ELEC Component Area Option	4
REQ Life and Physical Science Selection	4
ELEC Social/Behavioral Science Selection	3
REQ GOVT 2305 Federal Government	3
REQ MATH 1332, 1342 or 1414	3-4
ELEC Life and Physical Science Selection	4

Drama Specialization Selection

Based on advisement choose eighteen credit hours from the following list: DRAM 1310, DRAM 1330, DRAM 1351, DRAM 2366, DRAM 2367, DRAM 1352, DRAM 2336, DRAM 1320, DRAM 1321.

Music (MUS14) 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
ELEC	Creative Art Selection	3
REQ GOVT 2306	Texas Government	3
ELEC	Language/Philosophy/Cultural Studies	3
REQ SPCH 1315, 1318 or 1321		3
REQ HIST 1302	United States History II	3
ELEC	Component Area Option	4
REQ	Life and Physical Science Selection	4
ELEC	Social/Behavioral Science Selection	3
REQ GOVT 2305	Federal Government	3
REQ MATH 1332, 1342 or 1414		3-4
ELEC	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, Brass, Percussion, or Woodwinds),

**MUEN 1132 Chamber (Small) Instrumental 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 Class Piano

I, MUSI 1183 Class Voice I, MUSI 1188 Class Percussion I,

MUSI 1307 Music Literature, [^]MUSI 1311 Music Theory I,

^{^^}MUSI 1312 Music Theory II, MUSI 1390 Electronic Music I,

MUSI 2311 Music Theory III, MUSI 2312 Music Theory IV.

Notes

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

**MUEN 1132 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
ELCT	Electives*	9

Second Semester

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

Second Year

First Semester

GOVT 2305	Federal Government	3
ELCT	Electives*	12

Second Semester

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

Total Hours 60-61

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.

Graphics and Printing Technology

This program is for students who wish to prepare themselves to enter the Printing career field (Graphic Arts/Printing). The program provides entry-level, industry-validated, "hands-on" instruction that will prepare the student to enter and be successful in the Printing industry job market. Studies include: shop skills, layout, design, composition, desktop publishing (IBM compatible and Macintosh), press operation, bindery and preventive maintenance.

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.

Graphics and Printing (GP12)

100305

Associate of Applied Science Degree

First Year

First Semester		Credit
GRPH 1405	Intro to Graphic Arts & Printing	4
ARTC 1313	Digital Publishing I	3
ARTC 2313	Digital Publishing II	3
ENGL 1301	Composition I	3
ELEC	Humanities/Fine Arts Selection	3

Second Semester			
ARTC	2348	Digital Publishing III	3
ARTC	1327	Typography	3
ARTC	2333	Publication Design	3
MATH	1332	Contemporary Mathematics	3
GOVT		GOVT 2305 or 2306	3

Second Year

First Semester			
ARTC	1302	Digital Imaging I	3
ARTC	2305	Digital Imaging II	3
SPCH		SPCH 1315 or 1321	3
GRPH	2436	Prepress Techniques	4
ELEC		Computer Technology Skills	4

Second Semester

GRPH	1474	Preventive Maintenance	4
GRPH	1309	Press Operations I	3
GRPH	2338	Press Operations II	3
GRPH	1374	Press Operations III	3
GRPH	1419	Bindery & Finishing Operations	4
ARTC	2435	Portfolio Development for Graphic Design	4

OR

GRPH	2488	Internship Graphics & Printing Equipment Operator	4
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Total Hours 69

Graphics and Printing Technology (GP12) 100301 **Certificate of Completion – Level 2**

			Cr/Clock
GRPH	1405	Intro to Graphic Arts & Printing	4
ARTC	1313	Digital Publishing I	3
ARTC	2313	Digital Publishing II	3
ARTC	2348	Digital Publishing III	3
ARTC	1327	Typography	3
ARTC	2333	Publication Design	3
ARTC	1302	Digital Imaging I	3
ARTC	2305	Digital Imaging II	3
GRPH	2436	Prepress Techniques	4
GRPH	1474	Preventive Maintenance	4
GRPH	1309	Press Operations I	3
GRPH	2338	Press Operations II	3
GRPH	1374	Press Operations III	3
GRPH	1419	Bindery & Finishing Operations	4
ARTC	2435	Portfolio Development for Graphic Design	4
OR			
GRPH	2488	Internship Graphics & Printing Equipment Operator	4
Total Hours			50
Total Clock Hours			1472/1680

Graphics and Printing Technology Press Operations (GPP12) 100305 **Certificate of Completion**

			Cr/Clock
GRPH	1405	Intro to Graphic Arts & Printing	4/96
GRPH	2436	Prepress Techniques	4/128
GRPH	1474	Preventive Maintenance	4/96
GRPH	1309	Press Operations I	3/96
GRPH	2338	Press Operations II	3/96
GRPH	1374	Press Operations III	3/96
GRPH	1419	Bindery & Finishing Operations	4/96
GRPH	2488	Internship Graphics & Printing Equipment Operator	4/304
Total Hours			29/1008

Graphics and Printing Technology Graphic Design (GPGF2) 100301 **Certificate of Completion**

			Cr/Clock
GRPH	1405	Intro to Graphic Arts & Printing	4
ARTC	1313	Digital Publishing I	3
ARTC	2313	Digital Publishing II	3
ARTC	2348	Digital Publishing III	3
ARTC	1327	Typography	3
ARTC	2333	Publication Design	3
ARTC	1302	Digital Imaging I	3
ARTC	2305	Digital Imaging II	3
GRPH	2436	Prepress Techniques	4
GRPH	1419	Bindery & Finishing Operations	4
ARTC	2435	Portfolio Development for Graphic Design	4
OR			
ARTC	2488	Internship Commercial and Advertising Art	4
Total Hours			37
Total Clock Hours			1088/1296

Heating and Air Conditioning

This program is designed for students desiring to prepare themselves for a career in residential and commercial air conditioning and refrigeration. The program provides entry-level, industry-validated "hands-on" instruction using current technologies and equipment.

Studies include air conditioning and refrigeration principles and theory, electrical theory and application, gas and electrical heating, A/C central principles, residential and commercial air conditioning, system design, commercial refrigeration, heat pumps and troubleshooting.

Heating, Air Conditioning and Refrigeration Mechanic and Repairer (HART) 470201 **Associate of Applied Science Degree**

First Year

First Semester			Credit
HART	1407	Refrigeration Principles	4
HART	1401	Basic Electricity for HVAC	4
HART	1445	Gas and Electric Heating	4
MATH	1332	Contemporary Mathematics	3
KINE		Physical Activity Course	1

Second Semester

HART	1403	Air Conditioning Control Principles	4
HART	1441	Residential Air Conditioning	4
ELCT		Computer Technology Skills	4
ENGL	1301	Composition I	3
GOVT	2305	Federal Government	3

Second Year

First Semester			
HART	2449	Heat Pumps	4
HART	2438	Air Conditioning Installation and Startup	4
HART	2441	Commercial Air Conditioning	4
HART	2442	Commercial Refrigeration	4
ELCT		Humanities/Fine Arts Selection	3

Second Semester			
HART 2436	Air Conditioning Troubleshooting		4
HART 2431	Advanced Electricity for HVAC		4
SPCH	SPCH 1315 or 1321		3
HART 2445	Residential Air Conditioning System Design		
or			
HART 2488	Internship		4
Total Hours			68

Heating, Air Conditioning and Refrigeration (HART) 470201 Certificate of Completion

First Year			
First Semester			
HART 1407	Refrigeration Principles		Credit 4
HART 1401	Basic Electricity for HVAC		4
HART 1445	Gas and Electric Heating		4
Second Semester			
HART 1403	Air Conditioning Control Principles		4
HART 1441	Residential Air Conditioning		4
HART 2438	Air Conditioning Installation and Startup		4
Second Year			
First Semester			
HART 2449	Heat Pumps		4
HART 2441	Commercial Air Conditioning		4
HART 2442	Commercial Refrigeration		4
Second Semester			
HART 2436	Air Conditioning Troubleshooting		4
HART 2431	Advanced Electricity for HVAC		4
HART 2445	Residential Air Conditioning System Design		
or			
HART 2488	Internship		4
Total Hours			48

Commercial Heating, Air Conditioning and Refrigeration (HARC) 470201 Certificate of Completion

First Semester			
HART 1407	Refrigeration Principles		Credit 4
HART 1401	Basic Electricity for HVAC		4
HART 1445	Gas and Electric Heating		4
HART 2441	Commercial Air Conditioning		4
Second Semester			
HART 2431	Advanced Electricity for HVAC		4
HART 2442	Commercial Refrigeration		4
HART 1403	Air Conditioning Control Principles		4
HART 2436	Air Conditioning Troubleshooting		4
HART 2445	Residential Air Conditioning System Design		4
HART 2438	Air Conditioning Installation and Startup		
or			
HART 2488	Internship		4
Total Hours			40

Residential Heating, Air Conditioning and Refrigeration (HARR) 470201 Certificate of Completion

First Semester			
HART 1407	Refrigeration Principles		Credit 4
HART 1401	Basic Electricity for HVAC		4
HART 1445	Gas and Electric Heating		4
HART 1441	Residential Air Conditioning		4
HART 1403	Air Conditioning Control Principles		4
Second Semester			
HART 2449	Heat Pumps		4
HART 2438	Air Conditioning Installation and Startup		4
HART 2431	Advanced Electricity for HVAC		4
HART 2436	Air Conditioning Troubleshooting		4
HART 2445	Residential Air Conditioning System Design		
or			
HART 2488	Internship		4
Total Hours			40

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, ranging from 21 to 41 semester credit hours, 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 (RCM13) 520901

Associate of Applied Science Degree

First Year			
First Semester			
CHEF 1305	Sanitation and Safety		Credit 3
HAMG 1321	Intro to the Hospitality Industry		3
CHEF 1301	Basic Food Preparation		3
ELCT	Humanities/Fine Arts Selection		3
HAMG 2307	Hospitality Marketing and Sales		3
RSTO 1221	Menu Management		2
KINE	Physical Activity Course		1
Second Semester			
GOVT 2305	Federal Government		3
SPCH	SPCH 1315 or SPCH 1321		3
ELCT	CHEF/PSTR		3
ELCT	CHEF/PSTR		3
HAMG 2301	Principles of Food and Beverage Operations		3

Second Year			
First Semester			
HAMG 2332	Hospitality Financial Management	3	
IFWA 1318	Nutrition for the Food Service Professional	3	
ENGL 1301	Composition I	3	
PSTR 1301	Fundamentals of Baking	3	
ELCT	HAMG/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	
ELCT	Academic Elective	3	
HAMG 2388	Internship	3	
Total Hours		66	

Hotel Management Specialization (HMH13) 520901
Associate of Applied Science Degree

First Year			
First Semester			
CHEF 1305	Sanitation and Safety	3	Credit
HAMG 1321	Intro to the Hospitality Industry	3	
CHEF 1301	Basic Food Preparation*	3	
ELCT	Humanities/Fine Arts Selection	3	
ELCT	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 Maintenance	3	
MATH	MATH 1332 or MATH 1342	3	
HAMG 1340	Hospitality Legal Issues	3	
ELCT	HAMG/RSTO/TRVM	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	
ELCT	HAMG/RSTO/TRVM	3	
HAMG 2388	Internship	3	
Total Hours		66	

* HAMG 1324 may substitute.

Culinary Arts (HMC13) 520905
Associate of Applied Science Degree

First Year			
First Semester			
CHEF 1305	Sanitation and Safety	3	Credit
HAMG 1321	Intro to the Hospitality Industry	3	
CHEF 1301	Basic Food Preparation	3	
ELCT	Humanities/Fine Arts Selection	3	
RSTO 1221	Menu Management	2	

Second Semester			
CHEF 1410	Garde Manger	4	
GOVT 2305	Federal Government	3	
SPCH	SPCH 1315 or SPCH 1321	3	
CHEF 2301	Intermediate Food Preparation		
OR			
CHEF 1302	Principles of Healthy Cuisine	3	
CHEF 2302	Saucier	3	

Second Year			
First Semester			
HAMG 2301	Principles of Food and Beverage Operations	3	
KINE	Physical Activity Course	1	
IFWA 1318	Nutrition for the Food Service Professional	3	
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	
HAMG 1340	Hospitality Legal Issues	3	
RSTO 1313	Hospitality Supervision	3	
ELCT	Academic Elective	3	
HAMG 2388	Internship	3	
Total Hours		67	

Culinary Arts (HMC13) 520905
Certificate of Completion

First Semester			
CHEF 1305	Sanitation and Safety	3	Credit
RSTO 1313	Hospitality Supervision	3	
HAMG 1321	Intro to the Hospitality Industry	3	
CHEF 1301	Basic Food Preparation	3	

Second Semester			
CHEF 1410	Garde Manger	4	
HAMG 2301	Principles of Food and Beverage Operations	3	
ELCT	CHEF/PSTR	3	

Third Semester			
IFWA 1318	Nutrition for the Food Service Professional	3	
HAMG 2388	Internship	3	
RSTO 1325	Purchasing for Hospitality Operations	3	
PSTR 1301	Fundamentals of Baking	3	
ELCT	CHEF/PSTR	3	
Total Hours		37	

Restaurant Skills (HMR13) 520905
Certificate of Completion

First Semester			
CHEF 1305	Sanitation and Safety	3	Credit
IFWA 1318	Nutrition for the Food Service Professional	3	
CHEF 1301	Basic Food Preparation	3	
HAMG 2301	Principles of Food and Beverage Operations	3	
RSTO 1221	Menu Management	2	
ELCT	CHEF/PSTR	3	
PSTR 1301	Fundamentals of Baking	3	
Total Hours		20	

Baking (HMBK9) 520905
Certificate of Completion

		Credit
CHEF 1305	Sanitation and Safety	3
PSTR 1301	Fundamentals of Baking	3
PSTR 1302	Cake Baking and Production	3
PSTR 1306	Cake Decorating	3
PSTR 2350	Wedding Cakes	3
PSTR 2307	Cake Decorating II	3
PSTR 2331	Advanced Pastry Shop	3
Total Hours		21

Property Management Advanced (HMP13) 520904
Certificate of Completion

First Semester		Credit
HAMG 1313	Front Office Procedures	3
HAMG 1340	Hospitality Legal Issues	3
HAMG 1321	Intro to the Hospitality Industry	3
HAMG 2337	Hospitality Facilities Management	3
HAMG 2372	Hospitality Industry Training	3

Second Semester		
HAMG 2332	Hospitality Financial Management	3
RSTO 1313	Hospitality Supervision	3
HAMG 1324	Hospitality Human Resources	3
HAMG 2301	Principles of Food and Beverage Operations	3
HAMG 2307	Hospitality Marketing and Sales	3

Third Semester		
HAMG 1342	Guest Room Maintenance	3
HAMG 2388	Internship	3
Total Hours		36

Restaurant Operations (HRO13) 520905

Certificate of Completion

(Texas Department of Criminal Justice Only)

		Credit
CHEF 1305	Sanitation and Safety	3
CHEF 1301	Basic Food Preparation	3
HAMG 2301	Principles of Food and Beverage Operations	3
PSTR 1301	Fundamentals of Baking	3
RSTO 1221	Menu Management	2
HAMG 2307	Hospitality Marketing and Sales	3
HAMG 1340	Hospitality Legal Issues	3
HAMG 1321	Intro to the Hospitality Industry	3
IFWA 1318	Nutrition for the Food Service Professional	3
Total Hours		26

Institutional Food Service Operations (HMI13) 520905

Certificate of Completion

Upon successful completion of the Institutional Food Service Operations certificate, students are eligible to take the level 5 certification with the Texas School Food Association.

First Semester		Credit
CHEF 1305	Sanitation and Safety	3
IFWA 1318	Nutrition for the Food Service Professional	3
RSTO 2405	Management of Production & Service	4
CHEF 1301	Basic Food Preparation	3

Second Semester

HAMG 1321	Intro to the Hospitality Industry	3
ELCT	CHEF/PSTR	3
HAMG 2307	Hospitality Marketing and Sales	3
RSTO 1221	Menu Management	2

Third Semester

RSTO 1325	Purchasing for Hospitality Operations	3
HAMG 2301	Principles of Food and Beverage Operations	3
RSTO 1313	Hospitality Supervision	3
RSTO 1204	Dining Room Service	2
ELCT	CHEF/PSTR	3
Total Hours		38

Rooms Division (HRD13) 520904

Certificate of Completion

First Semester		Credit
HAMG 1313	Front Office Procedures	3
HAMG 1321	Intro to the Hospitality Industry	3
HAMG 1342	Guest Room Maintenance	3
HAMG 1340	Hospitality Legal Issues	3

Second Semester		
RSTO 1313	Hospitality Supervision	3
RSTO 1325	Purchasing for Hospitality Operations	3
HAMG 2332	Hospitality Financial Management	3
HAMG 2388	Internship	3
Total Hours		24

Food and Beverage Management Specialization (HMF13) 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
ELCT	Humanities/Fine Arts Selection	3
HAMG 2307	Hospitality Marketing and Sales	3
ELCT	HAMG/RSTO/TRVM	3

Second Semester

GOVT 2305	Federal Government	3
HAMG 1324	Hospitality Human Resource Management	3
SPCH	SPCH 1315 or 1321	3
RSTO 1204	Dining Room Service	2
HAMG 2301	Principles of Food and Beverage Operations	3
KINE	Physical Activity Course	1

Second Year

First Semester		
HAMG 2332	Hospitality Financial Management	3
TRVM 2301	Introduction to Convention and Meeting Management	3
ENGL 1301	Composition I	3
RSTO 2301	Principles of Food and Beverage Controls	3
RSTO 1301	Beverage Management	3
HAMG 2337	Hospitality Facilities Management	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
ELCT	Academic Elective	3
HAMG 2388	Internship	3
Total Hours		66

Food and Beverage Management (HMF13) 520905

Certificate of Completion

(Offered at locations outside of Texas under Military Contract Obligation)

Lower Division Major Courses:

Total of 23 credits, select from among the

Following courses:

		Credit
CHEF 1305	Sanitation and Safety	3
HAMG 1340	Hospitality Legal Issues	3
HAMG 1324	Hospitality Human Resource Management	3
HAMG 2301	Principles of Food and Beverage Operations	3
RSTO 1204	Dining Room Service	2
RSTO 1313	Hospitality Supervision	3
HAMG 1321	Intro to the Hospitality Industry	3
RSTO 2301	Principles of Food and Beverage Controls	3

Hospitality

Select three of the following courses:

HAMG 1313	Front Office Procedures	3
HAMG 1342	Guest Room Maintenance	3
HAMG 2337	Hospitality Facilities Management	3
HAMG 2372	Hospitality Industry Training	3
TRVM 2301	Introduction to Convention and Meeting Management	3
Total Hours		32

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

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

Second Semester		
CORE ELEC	SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302 United States History II	3
CORE ELEC	Component Area Option	3
CORE ELEC	Component Area Option (KINE)	1
CORE REQ	Life and Physical Science Selection	4
CORE ELEC	Social/Behavioral Science Selection	3

Second Year

First Semester

CORE REQ	GOVT 2305 Federal Government	3
CORE REQ	MATH 1332, 1342 or 1414	3-4
CORE ELEC	Life and Physical Science Selection	4
DEGR REQ	Electives*	18
Total Hours		60-61

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

Kinesiology

Kinesiology (KIN4) 310501

Associate of Science Degree

		Credit
First Semester		
CORE REQ	ENGL 1301 Composition I	3
CORE REQ	HIST 1301 United States History I	3
CORE REQ	MATH 1414 College Algebra	4
CORE REQ	Component Area Option	3
DEGR REQ	KINE 1301 Intro. to Physical Fitness & Sport	3
DEGR REQ	KINE Physical Activity Course	1

Second Semester

CORE ELEC	SPCH 1315, 1318 or 1321	3
CORE REQ	HIST 1302 United States History II	3
CORE ELEC	Language, Philosophy & Culture	3
DEGR REQ	KINE 1306 First Aid	3
DEGR REQ	KINE Physical Activity Course	1

Second Year

First Semester

CORE ELEC	Life and Physical Science (BIOL 2401 recommended)	4
CORE REQ	GOVT 2305 Federal Government	3
CORE ELEC	Creative Arts	3
DEGR REQ	KINE 1304 Personal/Comm. Health I	3
DEGR REQ	KINE Physical Activity Course	1

Second Semester

CORE ELEC	Life and Physical Science (BIOL 2402 recommended)	4
CORE REQ	GOVT 2306 Texas Government	3
CORE ELEC	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

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 (LAS14) 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
ELCT	Humanities/Fine Arts Selection	3
ELCT	ITSW 1401 or ITSC 1409	4

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 1207	Proofreading and Editing	2
LGLA 2303	Torts and Personal Injury Law	3
POFT 1329	Beginning Keyboarding	3
or		
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
LGLA	Legal Elective	3
LGLA	Legal Elective	3
LGLA 2333	Advanced Legal Document Preparation	3
or		
LGLA 2335	Advanced Civil Litigation	3
Total Hours		63

Maintenance Technology

This program is for the student who wishes to enter a Building Trades (Construction or Maintenance) career field. The program provides entry-level, industry-validated, hands-on instruction that prepares the student to enter and be successful in the job market.

Studies in the Maintenance Technology AAS degree include basic shop skills; electrical wiring; plumbing; painting and refinishing (interior and exterior); carpentry to include roofing, flooring, walls, doors, and windows, cabinets; welding; estimating; blueprint reading; and air conditioning/heating.

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

Maintenance Technology (MTN12) 460401

Associate of Applied Science Degree

First Year

First Semester		Credit
CRPT 1429	Introduction to Carpentry	4
HART 1407	Refrigeration Principles	4
or		
WDWK1413	Cabinet Making I	
CRPT 1423	Floor Systems	4
MATH 1332	Contemporary Mathematics	3
KINE	Physical Activity Course	1

Second Semester

ELPT 1411	Basic Electrical Theory	4
ELPT 1429	Residential Wiring	4
ENGL 1301	Composition I	3
CRPT 1415	Wall Systems	4
ELEC	Humanities/Fine Arts Selection	3

Second Year

First Semester

CRPT 1411	Roof Systems	4
PFPB 2409	Residential Construction Plumbing I	4
HART 1445	Gas and Electric Heating	4
or		
WDWK 2451	Cabinet Making II	
ELEC	Computer Technology Skills	4
GOVT 2305	Federal Government	3

Second Semester

CBFM 1334	Interior and Exterior Painting and Refinishing	3
HART 1401	Basic Electricity for HVAC	4
or		
CNBT 1446	Construction Estimating I	
MBST 1507	Masonry I	5
SPCH	SPCH 1315 or 1321	3
PFPB 2445	Residential Construction Plumbing II	
or		
CBFM 2487	Internship	4
Total Hours		72

Building Trades (MTBT) 460401 Certificate of Completion

First Semester		Cr/Clock
CRPT 1429	Introduction to Carpentry	4/96
CRPT 1423	Floor Systems	4/96
CRPT 1415	Wall Systems	4/96
CRPT 1411	Roof Systems	4/96

Second Semester

CBFM	1334	Interior and Exterior Painting and Refinishing	3/96
WDWK	1413	Cabinet Making I	4/112
WDWK	2451	Cabinet Making II	4/96
MBST	1507	Masonry I	5/144
ELPT	1411	Basic Electrical Theory	4/96

Third Semester

ELPT	1429	Residential Wiring	4/96
PFPB	2409	Residential Construction Plumbing I	4/96
PFPB	2445	Residential Construction Plumbing II	4/96
CNBT	1446	Construction Estimating I	4/96
or			
CBFM	2487	Internship	4/304
Total Hours			52
Total Clock Hours			1312/1520

Carpentry Trades (MTCA) 460401**Certificate of Completion**

First Semester			Cr/Clock
CRPT	1429	Introduction to Carpentry	4/96
CRPT	1423	Floor Systems	4/96
CRPT	1415	Wall Systems	4/96
CRPT	1411	Roof Systems	4/96

Second Semester

CBFM	1334	Interior and Exterior Painting and Refinishing	3/96
WDWK	1413	Cabinet Making I	4/112
WDWK	2451	Cabinet Making II	4/96
CNBT	1446	Construction Estimating I	4/96
or			
CBFM	2487	Internship	4/304
Total Hours			31
Total Clock Hours			784/992

Construction Trades (MTCO) 460401**Certificate of Completion**

First Semester			Cr/Clock
CRPT	1429	Introduction to Carpentry	4/96
MBST	1507	Masonry I	5/144
ELPT	1411	Basic Electrical Theory	4/96
ELPT	1429	Residential Wiring	4/96

Second Semester

PFPB	2409	Residential Construction Plumbing I	4/96
PFPB	2445	Residential Construction Plumbing II	4/96
CNBT	1446	Construction Estimating I	4/96
or			
CBFM	2487	Internship	4/304
Total Hours			29
Total Clock Hours			720/928

Residential Construction (MTRC)**460401****Certificate of Completion**

(Brady Campus Only)

First Semester			Credit
CRPT	1423	Floor Systems	4
CRPT	1415	Wall Systems	4
CRPT	1411	Roof Systems	4
CBFM	1334	Interior and Exterior Painting and Refinishing	3

Second Semester

WDWK2451	Cabinet Making II	4
MBST 1507	Masonry I	5
ELPT 1429	Residential Wiring	4
PFPB 2409	Residential Construction Plumbing I	4
Total Hours		32

Massage Therapy

A 600 classroom hour certificate of completion program in compliance with the Texas Department of State Health Services. The program prepares the graduate to sit for the State of Texas licensure examination – MBLEx – the Federation of State Massage Therapy Boards' Massage and Bodywork Licensing Exam which is good in 41 states. Graduates are prepared for a massage therapy career in a variety of healthcare settings. The LMT Program provides classroom instructions and supervised internship experience.

Massage Therapy (MATP3) 513501**Non-Credit Certificate of Completion**

			Clock
MSSG 1007	Business, Ethics and Professionalism		50
MSSG 1013	Anatomy and Physiology for Massage		85
MSSG 2013	Kinesiology for Massage		55
MSSG 2014	Pathology for Massage		45
MSSG 1009	Health and Hygiene		25
MSSG 1005	Hydrotherapy/Therapeutic Modalities		20
MSSG 1011	Massage Fundamentals I		125
MSSG 2011	Massage Fundamentals II		100
MSSG 1091	Special Topics (Healthcare Communication)		45
MSSG 2086	Internship		50
Total Clock Hours			600
Total Continuing Education Units			60

Mathematics

The Associate of Science degree in Mathematics 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.

Mathematics (MAT4) 270101**Associate of Science Degree**

Fall Semester			Credit
CORE REQ	HIST 1301	United States History I	3
CORE REQ	GOVT 2306	Texas Government	3
CORE ELEC	Language/Philosophy/Cultural Studies		3
CORE ELEC	Mathematics (MATH 1414)		4

Spring Semester

CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1302	United States History II	3
CORE ELEC	Life and Physical Science Selection		4
DEGR REQ	MATH 2412	Pre-Calculus Math	4

Summer Semester

DEGR REQ	MATH 2413	Calculus I	4
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Second Year

First Semester

CORE ELEC	SPCH 1315, 1318 or 1321	3
CORE ELEC	Creative Art Selection	3
CORE REQ	GOVT 2305 Federal Government	3
CORE ELEC	Social/Behavioral Science Selection	3
DEGR REQ	MATH 2414 Calculus II	4

Second Semester

DEGR REQ	MATH 2415 Calculus III	4
DEGR REQ	MATH 1342 or 2318	3
CORE ELEC	Component Area Option	3
CORE ELEC	Life and Physical Science Selection	4
Total Hours		61

Medical Laboratory Technician

Medical laboratory Technology, also known as Clinical Laboratory Scientist is a challenging and rewarding field. Medical laboratory Technicians, along with Medical Technologists, utilize the latest in modern instrumentation and test procedures to aid the physician in the detection, diagnosis and treatment of disease.

Medical Laboratory Technician (MLAB) 511004

Associate of Applied Science Degree

Departmental approval is required for admission into the Medical Laboratory Technician/Clinical laboratory Technician (MLT/CLT) program. MLT/CLT application, physical form, immunizations, academic records are required BEFORE you schedule your pre-admission interview with the Program Director. CPR, negative Drug Screen (11 panel), negative Criminal Background check are required BEFORE you register for clinical courses. Clinical sites and times are subject to change. Please come to Science Building 150, room 1028 or call 526-1883 for application and forms. More information can be found under Departmental Admissions Requirements.

The Medical Laboratory Technician program at CTC is accredited by the National Accrediting Agency for Clinical Laboratory Sciences programs, 5600 N. River Road, Suite 72, Rosemont, IL 60018. (773) 714-8880. Upon completion of the program, students are eligible to take a national credentialing examination.

First Year

First Semester		Credit
MLAB 1201	Intro to Clinical Laboratory Science	2
MLAB 1211	Urinalysis and Body Fluids	2
BIOL 2401	Anatomy and Physiology I*	4
CHEM 1411	General Chemistry I*	4
MATH 1414	College Algebra	4

Second Semester

MLAB 1415	Hematology	4
BIOL 2402	Anatomy and Physiology II*	4
CHEM 1412	General Chemistry II*	4
ITSC 1409	Integrated Software Applications I	4

Third Semester

MLAB 2561	Clinical I -MLT	5
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Second Year

First Semester

MLAB 2460	Clinical II-MLT	4
MLAB 2434	Clinical Microbiology	4
MLAB 2431	Immunohematology	4
ENGL 1301	Composition I	3
ELCT	Humanities/Fine Arts Selection	3

Second Semester

MLAB 1331	Parasitology/Mycology	3
MLAB 2401	Clinical Chemistry	4
MLAB 2461	Clinical III-MLT	4
ELCT	PSYC 2301 or SOCI 1301	3
SPCH	SPCH 1315 or 1321	3
Total Hours		72

* Credit in Science and MLAB courses must have been received within 5 years prior to enrollment in MLAB 1201/1211.

Phlebotomy (PLMS) 511009 Noncredit Marketable Skills Achievement

	CEU	Contact Hours
PLAB 1023 Basic Phlebotomy	6	60
PLAB 1060 Clinical-Phlebotomy/ Phlebotomist	12	120
Total Hours	18	180

Mental Health Services

The Mental Health Services program offers Associate of Applied Science degrees and Certificates of Completion in the specialized areas of, Chemical Dependency, At Risk Youth, Social Work and Criminal Justice Addictions. These degrees and certificates are designed for students seeking employment in Mental Health related career fields. Employment opportunities in the Mental Health Services field are expected to rise due to the increased number of older persons, many of whom will require mental health services; increased public acceptance of formal treatment for substance abuse; and a lessening of the stigma attached to those receiving mental health care. Additionally, CTC's Associate of Applied Science degrees and certificates lay the foundation for those students wishing to pursue a Baccalaureate degree in Mental Health related career fields.

At Risk Youth Specialization (MHAF4) 511503

Associate of Applied Science Degree

First Year

First Semester		Credit
PSYT 1329	Interviewing & Communication Skills	3
DAAC 1319	Introduction to Alcohol and Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester

CMSW 1309	Problems of Children & Adolescents	3
CMSW 1166	Practicum	1
GOVT 2305	Federal Government	3
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
PSYT 2321	Crisis Intervention	3

Second Year		
First Semester		
ENGL 1302	Composition II	3
DAAC 2307	Addicted Family Intervention	3
DAAC 1311	Counseling Theories	3
PSYT 2331	Abnormal Psychology	3
DAAC 2354	Dynamics of Group Counseling	3

Second Semester		
MATH 1414	College Algebra	4
PSYT 2345	Principles of Behavior Management and Modification	3
SCWK 2301	Assessment and Case Management	3
CMSW 1167	Practicum	1
ELCT	Humanities/Visual/Performing Arts Selection	3
Total Hours		60

At Risk Youth Advanced Certificate (MHA14) 511503
Certificate of Completion

First Semester		Credit
PSYT 1329	Interviewing & Communication Skills	3
DAAC 1319	Introduction to Alcohol and Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester		
CMSW 1309	Problems of Children and Adolescents	3
CMSW 1166	Practicum	1
DAAC 2306	Substance Abuse Prevention I	3
PSYT 2321	Crisis Intervention	3
DAAC 2307	Addicted Family Intervention	3
DAAC 1311	Counseling Theories	3

Third Semester		
PSYT 2331	Abnormal Psychology	3
DAAC 2354	Dynamics of Group Counseling	3
PSYT 2345	Principles of Behavior Management and Modification	3

Second Year		
First Semester		
SCWK 2301	Assessment and Case Management	3
CMSW 1167	Practicum	1
Total Hours		44

Chemical Dependency Specialization (MHCF4) 511503
Associate of Applied Science Degree

First Year		
First Semester		Credit
PSYT 1329	Interviewing & Communication Skills	3
DAAC 1319	Introduction to Alcohol and Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester		
CMSW 1309	Problems of Children and Adolescents	3
CMSW 1166	Practicum	1
DAAC 1309	Assessment Skills of Alcohol and Other Drug Addictions	3
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
PSYT 2321	Crisis Intervention	3

Second Year		
First Semester		
ENGL 1302	Composition II	3
DAAC 2307	Addicted Family Intervention	3
DAAC 1311	Counseling Theories	3
PSYT 2331	Abnormal Psychology	3
DAAC 2354	Dynamics of Group Counseling	3

Second Semester		
MATH 1414	College Algebra	4
PSYT 2345	Principles of Behavior Management and Modification	3
DAAC 2341	Counseling Alcohol and Other Drug Addictions	3
DAAC 2367	Practicum	3
ELCT	Humanities/Visual/Performing Arts Selection	3
Total Hours		62

Chemical Dependency Counseling (MHC14) 511503
Certificate of Completion

First Semester		Credit
PSYT 1329	Interviewing & Communication Skills	3
DAAC 1319	Introduction to Alcohol and Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester		
CMSW 1309	Problems of Children and Adolescents	3
CMSW 1166	Practicum	1
DAAC 1309	Assessment Skill of Alcohol and Other Drug Addictions	3
PSYT 2321	Crisis Intervention	3
DAAC 2307	Addicted Family Intervention	3
DAAC 1311	Counseling Theories	3

Third Semester		
PSYT 2331	Abnormal Psychology	3
DAAC 2354	Dynamics of Group Counseling	3
PSYT 2345	Principles of Behavior Management and Modification	3

Second Year		
First Semester		
DAAC 2341	Counseling Alcohol and Other Drug Addictions	3
DAAC 2367	Practicum	3
Total Hours		46

Criminal Justice Addictions (MCJ13) 511503
Certificate of Completion

First Semester		Credit
PSYT 1329	Interviewing & Communications Skills	3
DAAC 1319	Introduction to Alcohol & Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester		
CMSW 1309	Problems of Children & Adolescents	3
CMSW 1166	Practicum	1
DAAC 1309	Assessment Skill of Alcohol & Other Drug Addictions	3
PSYT 2321	Crisis Intervention	3
DAAC 2307	Addicted Family Intervention	3
PSYT 2331	Abnormal Psychology	3

Third Semester		
PSYT 2345	Principles of Behavior Management and Modification	3
DAAC 2354	Dynamics of Group Counseling	3
DAAC 2301	Therapeutic Communities in a Criminal Justice Setting	3

Second Year		
First Semester		
DAAC 2341	Counseling Alcohol & Other Drug Addictions	3
DAAC 2367	Practicum	3
Total Hours		46

Social Work Specialization (MHSF4) 511503

Associate of Applied Science

First Year		
First Semester		Credit
PSYT 1329	Interviewing & Communications Skills	3
DAAC 1319	Introduction to Alcohol and Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester		
CMSW 1309	Problems of Children & Adolescents	3
CMSW 1166	Practicum	1
GOVT 2305	Federal Government	3
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
PSYT 2321	Crisis Intervention	3

Second Year		
First Semester		
ENGL 1302	Composition II	3
SOCW 2361	Introduction to Social Work	3
DAAC 1311	Counseling Theories	3
PSYT 2331	Abnormal Psychology	3
DAAC 2354	Dynamics of Group Counseling	3

Second Semester		
MATH 1414	College Algebra	4
SOCW 2362	Social Welfare as a Social Institution	3
SCWK 2301	Assessment & Case Management	3
CMSW 1167	Practicum	1
ELCT	Humanities/Visual/Performing Arts Selection	3
Total Hours		60

Basic Mental Health Professional (MHBP) 511501

Certificate of Completion

First Semester		Credit
PSYT 1329	Interviewing & Communications Skills	3
DAAC 1319	Introduction to Alcohol & Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester		
CMSW 1309	Problems of Children & Adolescents	3
CMSW 1166	Practicum	1
Total Hours		19

Substance Abuse Prevention Specialist (MHP14) 511501

Certificate of Completion

First Semester		Credit
PSYT 1329	Interviewing & Communications Skills	3
DAAC 1319	Introduction to Alcohol & Other Drug Addictions	3
DAAC 1304	Pharmacology of Addiction	3
PSYC 1300	Learning Frameworks	3
PSYT 1309	Health Psychology	3

Second Semester		
CMSW 1309	Problems of Children & Adolescents	3
CMSW 1166	Practicum	1
DAAC 2306	Substance Abuse Prevention I	3
PSYT 2321	Crisis Intervention	3
DAAC 2307	Addicted Family Intervention	3

Third Semester		
DAAC 2353	Substance Abuse Prevention II	3
PSYT 2345	Principles of Behavior Management and Modification	3
DAAC 1167	Practicum	1
Total Hours		35

Department of Nursing

Beginning with the Spring 2015 semester the Department of Nursing Associate Degree Nursing curriculum will change. Pre-nursing students seeking Fall Semester 2015 admission must follow the NUA15 degree plan. Articulating students seeking admission Fall Semester 2015 will follow the NOA15 degree plan.

The degree plans NUA13, NUA14, NOA13 and NOA14 will continue to be available to currently enrolled nursing students and to students admitted Fall 2014 and Spring 2015 until the program of study is completed. However, students not successful in Spring 2015 first semester, will be placed into the new degree plan the following semester, Fall 2015.

FALL 2014
Nursing Associate Degree (NUA14)
513801

Associate of Applied Science Degree

The Nursing Associate Degree program is accredited by the Accreditation Commission in Nursing, Inc. (ACEN), Sharon J. Tanner, EdD, RN, Executive Director, 3343 Peachtree Road, NE, Suite 500; Atlanta, GA 30326; P. 404-975-5000, F. 404-975-5020, www.nlnac.org.

The Nursing Associate Degree is a prelicensure nursing program which enables the graduate to sit the National Council Licensure Examination-Registered Nurse (NLCEX-RN®) and prepares graduates for professional practice in a variety of health care settings. The A.D.N. program provides classroom instruction and coordinated supervised clinical experiences in the nursing care of clients in local affiliated health care agencies. The CTC A.D.N. program is approved by the Texas Board of Nursing (TBN) and is fully accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN).

First Semester		Credit
RNSG 1209	Introduction to Nursing	2
BIOL 2401	Anatomy and Physiology I	4
ELCT	CHEM 1406/1411 or MATH 1414	4
ENGL 1301	Composition I	3

Second Semester		
RNSG 1105	Nursing Skills I	1
RNSG 1115	Health Assessment	1
RNSG 1301	Pharmacology	3
RNSG 1413	Foundations for Nursing Practice	4
RNSG 1262	Clinical -Nursing I	2
BIOL 2402	Anatomy and Physiology II	4

Third Semester		
RNSG 1331	Principles of Clinical Decision Making	3
RNSG 1251	Care of the Childbearing Family	2
RNSG 2213	Mental Health Nursing	2
RNSG 1363	Clinical-Nursing II	3
PSYC 2301	General Psychology	3
BIOL 2420	Microbiology for Non-science Majors**4	

Fourth Semester		
RNSG 1347	Concepts of Clinical Decision Making	3
RNSG 2201	Care of Children and Families	2
RNSG 2362	Clinical-Nursing III	3
SPCH	SPCH 1315, 1318 or 1321	3
PSYC 2314	Life Span Growth and Development	3

Fifth Semester		
RNSG 2331	Advanced Concepts of Adult Health	3
RNSG 2221	Management of Client Care	2
RNSG 2363	Clinical-Nursing IV	3
ELCT	Humanities/Fine Arts Selection	3
KINE	Physical Activity Course	1
Total Hours		71

* If Microbiology 2420 or 2421 is completed successfully prior to the second semester, elective credit may be granted for BIOL 1406 in place of CHEM 1406, CHEM 1411 or MATH 1414.

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

FALL 2014
Nursing Option for Articulating Student (NOA14) 513801
Associate of Applied Science Degree

First Year		
First Semester		Credit
BIOL 2401	Anatomy and Physiology I	4
ENGL 1301	Composition I	3
ELCT	CHEM 1406/1411 or MATH 1414	4
PSYC 2301	General Psychology	3

Second Semester		
BIOL 2402	Anatomy and Physiology II	4
BIOL 2420	Microbiology for Non-science Majors*** 4	
RNSG 1229	Integrated Nursing Skills II (RNSG 1413, 1105, 1115, 1262)* - (8)	2

Second Year (Acceptance into ADN program)

Third Semester		
RNSG 2213	Mental Health Nursing	2
RNSG 1301	Pharmacology	3
RNSG 1251	Care of the Childbearing Family	2
RNSG 1363	Clinical II	3
RNSG 1331	Principles of Clinical Decision Making	3

Fourth Semester		
PSYC 2314	Life Span Growth and Development	3
RNSG 1347	Concepts of Clinical Decision Making	3
RNSG 2201	Care of Children and Families	2
RNSG 2362	Clinical - Nursing III	3
SPCH	SPCH 1315, 1318 or 1321	3

Fifth Semester		
RNSG 2331	Advanced Concepts of Adult Health	3
RNSG 2221	Management of Client Care	2
RNSG 2363	Clinical-Nursing IV	3
ELCT	Humanities/Fine Arts Selection	3
KINE	Physical Activity Course	1

Total Hours 71

* Upon successful completion of the last semester, Articulation Students will receive credit for RNSG 1413, 1105, 1115 and 1262.

** If Microbiology 2420 or 2421 is completed successfully prior to the second semester, elective credit may be granted for BIOL 1406 in place of CHEM 1406, CHEM 1411 or MATH 1414.

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

SPRING 2015

Beginning with the Spring 2015 semester the Department of Nursing Associate Degree Nursing curriculum will change. Pre-nursing students seeking Fall Semester 2015 admission must follow the NUA15 degree plan. Articulating students seeking admission Fall Semester 2015 will follow the NOA15 degree plan.

The degree plans NUA13, NUA14, NOA13 and NOA14 will continue to be available to currently enrolled nursing students and to students admitted Fall 2014 and Spring 2015 until the program of study is completed. However, students not successful in Spring 2015 first semester, will be placed into the new degree plan the following semester, Fall 2015.

SPRING 2015
Nursing Associate Degree (NUA15)
513801
Associate of Applied Science Degree

Prerequisite Semester

First Year

First Semester (Spring 2015)			Credit
BIOL	2401	Anatomy and Physiology I	4
BIOL	2420*	Microbiology for Non-science Majors	4
ENGL	1301	Composition I	3
HPRS	2300	Pharmacology for Health Professions	3

Admission into the Associate Degree Nursing Program
Second Semester (Fall 2015)

RNSG	1115	Health Assessment	1
RNSG	1413	Foundations for Nursing Practice	4
RNSG	1262	Clinical -Nursing I	2
BIOL	2402	Anatomy and Physiology II	4

Third Semester (Spring 2016)

RNSG	1331	Principles of Clinical Decision Making	3
RNSG	2213	Mental Health Nursing	2
RNSG	1363	Clinical-Nursing II	3
PSYC	2301	General Psychology	3

Fourth Semester (Fall 2016)

RNSG	1347	Concepts of Clinical Decision Making	3
RNSG	1412	Nursing Care of Childbearing and Childrearing Family	4
RNSG	2362	Clinical-Nursing III	3
PSYC	2314	Life Span Growth and Development	3

Fifth Semester (Spring 2017)

RNSG	2331	Advanced Concepts of Adult Health	3
RNSG	2221	Professional Nursing: Leadership and Management	2
RNSG	2363	Clinical-Nursing IV	3
ELCT		Humanities/Fine Arts Selection	3
Total Hours			60

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

SPRING 2015
Nursing Option for Articulating Student (NOA15) 513801
Associate of Applied Science Degree

Prerequisite Semester

First Year

First Semester (Fall 2015)			Credit
BIOL	2401	Anatomy and Physiology I	4
ENGL	1301	Composition I	3
PSYC	2301	General Psychology	3

Second Semester (Spring 2016)

BIOL	2402	Anatomy and Physiology II	4
BIOL	2420*	Microbiology for Non-science Majors	4
RNSG	1229	Integrated Nursing Skills II	2
HPRS	2300	Pharmacology for Health Professions	3

Admission into the Associate Degree Nursing Program
Third Semester (Fall 2016)

RNSG	1331	Principles of Clinical Decision Making	3
RNSG	2213	Mental Health Nursing	2
RNSG	1363	Clinical II	3
PSYC	2314	Life Span Growth and Development	3

Fourth Semester (Spring 2017)

RNSG	1347	Concepts of Clinical Decision Making	3
RNSG	1412	Nursing Care of Childbearing and Childrearing Family	4
RNSG	2362	Clinical - Nursing III	3

Fifth Semester (Summer 2017)

RNSG	2331	Advanced Concepts of Adult Health	3
RNSG	2221	Professional Nursing: Leadership and Management	2
RNSG	2363	Clinical-Nursing IV	3
ELCT		Humanities/Fine Arts Selection	3

Upon successful completion of the last semester, Articulation Students will receive credit for RNSG 1413 and 1115. 5

Total Hours **60**

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

VOCATIONAL NURSING
Vocational Nursing (NUVF2) 513901
Certificate of Completion Fall Admission

A 12 month certificate program which enables the graduate to sit the National Council Licensure Examination-Practical Nurse (NLCEX-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 **Credit**

VNSG	1304	Foundations of Nursing	3
VNSG	1405	Health Science	4
VNSG	1323	Basic Nursing Skills	3
VNSG	1227	Essentials of Medication Administration	2
VNSG	1222	Vocational Nursing Concepts	2
VNSG	1136	Mental Health	1
VNSG	2331	Advanced Nursing Skills	3
VNSG	1126	Gerontology	1
VNSG	1116	Nutrition	1
VNSG	1160	Clinical-Practical Nurse I	1

Second Semester

VNSG	1400	Nursing in Health and Illness I	4
VNSG	1238	Mental Illness	2
VNSG	1219	Leadership and Professional Development	2
VNSG	1409	Nursing in Health and Illness II	4
VNSG	1231	Pharmacology	2
VNSG	1560	Clinical-Practical Nurse II	5

Third Semester

VNSG	1330	Maternal/Neonatal Nursing	3
VNSG	1334	Pediatrics	3
VNSG	1410	Nursing in Health and Illness III	4
VNSG	2360	Clinical-Practical Nurse III	3
Total Hours			53

Vocational Nursing (NUVS2) 513901 Certificate of Completion Spring Admission

A 12 month certificate program which enables the graduate to sit the National Council Licensure Examination-Practical Nurse (NLCEX-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		Credit
VNSG 1304	Foundations of Nursing	3
VNSG 1405	Health Science	4
VNSG 1323	Basic Nursing Skills	3
VNSG 1227	Essentials of Medication Administration	2
VNSG 1222	Vocational Nursing Concepts	2
VNSG 1136	Mental Health	1
VNSG 2331	Advanced Nursing Skills	3
VNSG 1126	Gerontology	1
VNSG 1116	Nutrition	1
VNSG 1160	Clinical-Practical Nurse I	1
Second Semester		
VNSG 1330	Maternal/Neonatal Nursing	3
VNSG 1334	Pediatrics	3
VNSG 1400	Nursing in Health and Illness I	4
VNSG 1360	Clinical-Practical Nurse II	3
Third Semester		
VNSG 1238	Mental Illness	2
VNSG 1219	Leadership and Professional Development	2
VNSG 1231	Pharmacology	2
VNSG 1409	Nursing in Health and Illness II	4
VNSG 1410	Nursing in Health and Illness III	4
VNSG 2560	Clinical-Practical Nurse III	5
Total Hours		53

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.

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

Executive Assistant (OTE14) 520401 Associate of Applied Science Degree

First Year		
First Semester		Credit
POFI 1301	Computer Applications I	3
POFT 1329	Beginning Keyboarding	3
POFT 1301	Business English	3
POFT 1309	Administrative Office Procedures I	3
POFT 1319	Records & Information Management I	3
KINE	Physical Activity Course	1

Second Semester		
POFI 2301	Word Processing	3
POFT 1325	Business Math Using Technology	3
MATH 1414	College Algebra	4
ENGL 1301	Composition I	3
POFT 2312	Business Correspondence and Communication	3
ELCT	POFI/POFT/POFM/HITT Selection	3

Second Year		
First Semester		Credit
POFI 2331	Desktop Publishing	3
ELCT	Humanities/Fine Arts Selection	3
SPCH	SPCH 1315 or 1321	3
KINE	Physical Activity Course	1
ELCT	POFI/POFT Internship Selection	3

Second Semester		
POFI 1349	Spreadsheets	3
POFT 1349	Administrative Office Procedures II	3
POFT 2333	Advanced Keyboarding	3
ELCT	Social/Behavioral Science Selection	3
ELCT	POFI/POFT Internship Selection	3
Total Hours		63

Administrative Support (OTA12) 520401 Certificate of Completion

First Semester		Credit
POFI 1301	Computer Applications I	3
POFT 1329	Beginning Keyboarding	3
POFT 1301	Business English	3
POFT 1309	Administrative Office Procedures I	3
POFT 1319	Records & Information Management I	3

Second Semester		
POFI 2301	Word Processing	3
POFT 1325	Business Math Using Technology	3
MATH 1414	College Algebra	4
ENGL 1301	Composition I	3
POFT 2312	Business Correspondence and Communication	3
ELCT	POFI/POFT/POFM/HITT Selection	3

Third Semester		
POFI 2331	Desktop Publishing	3
POFI 1349	Spreadsheets	3
SPCH	SPCH 1315 or 1321	3
ELCT	POFI/POFT Internship Selection	3
Total Hours		46

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		Credit
POFT 1325	Business Math Using Technology	3
POFT 1319	Records & Information Management I	3
POFT 2312	Business Correspondence and Communication	3

Third Semester		Credit
POFI 2301	Word Processing	3
POFT 1349	Administrative Office Procedures II	3
or		
POFI 2331	Desktop Publishing	3
POFI 1349	Spreadsheets	3
Total Hours		30

Office Assistant (OTOA) 520401

Certificate of Completion

First Semester		Credit
POFI 1301	Computer Applications I	3
POFT 1329	Beginning Keyboarding	3
POFT 1301	Business English	3
POFT 1309	Administrative Office Procedures I	3
POFT 1319	Records & Information Management I	3

Second Semester		Credit
POFI 2301	Word Processing	3
POFT 1325	Business Math Using Technology	3
POFI 1349	Spreadsheets	3
ENGL 1301	Composition I	3
ELCT	POFI/POFT/POFM/HITT Selection	3
ELCT	POFI/POFT Internship Selection	3
Total Hours		33

Office Management (OTO12) 520401

Associate of Applied Science Degree

First Year		Credit
First Semester		
POFI 1301	Computer Applications I	3
POFT 1329	Beginning Keyboarding	3
POFT 1301	Business English	3
BMGT 1327	Principles of Management	3
POFT 1309	Administrative Office Procedures I	3
KINE	Physical Activity Course	1

Second Semester		
POFI 2301	Word Processing	3
POFT 1319	Records & Information Management I	3
POFT 2312	Business Correspondence and Communication	3
BMGT 1325	Office Management	3
ENGL 1301	Composition I	3
POFT 1325	Business Math Using Technology	3

Second Year

First Semester		
POFI 1349	Spreadsheets	3
MATH 1414	College Algebra	4
SPCH	SPCH 1315 or 1321	3
KINE	Physical Activity Course	1
ELCT	POFI/POFT/POFM/HITT Selection	3

Second Semester		
POFT 1349	Administrative Office Procedures II	3
HRPO 2301	Human Resources Management	3
ELCT	Social/Behavioral Science Selection	3
ELCT	Humanities/Fine Arts Selection	3
ELCT	POFI/POFT Internship Selection	3
Total Hours		63

Office Management (OTM12) 520401

Certificate of Completion

First Year		Credit
First Semester		
POFI 1301	Computer Applications I	3
POFT 1329	Beginning Keyboarding	3
POFT 1301	Business English	3
BMGT 1327	Principles of Management	3
POFT 1309	Administrative Office Procedures I	3

Second Semester		
POFI 2301	Word Processing	3
POFT 1319	Records & Information Management I	3
POFT 2312	Business Correspondence and Communication	3
BMGT 1325	Office Management	3
POFT 1325	Business Math Using Technology	3

Second Year		
First Semester		
POFI 1349	Spreadsheets	3
SPCH	SPCH 1315 or 1321	3
ELCT	POFI/POFT/POFM/HITT Selection	3

Second Semester		
POFT 1349	Administrative Office Procedures II	3
ELCT	Social/Behavioral Science Selection	3
ELCT	POFI/POFT Internship Selection	3
Total Hours		48

Office Management (OTOM) 520401

Certificate of Completion

First Semester		Credit
POFI 1301	Computer Applications I	3
POFT 1329	Beginning Keyboarding	3
POFT 1301	Business English	3
BMGT 1327	Principles of Management	3
POFT 1309	Administrative Office Procedures I	3

Second Semester		
POFI 2301	Word Processing	3
POFT 1319	Records & Information Management I	3
POFT 2312	Business Correspondence and Communication	3
POFT 1325	Business Math Using Technology	3
BMGT 1325	Office Management	3
ELCT	POFI/POFT Internship Selection	3
Total Hours		33

Software Applications Specialist

(OTSA4) 520407

Certificate of Completion

			Credit
POFI	1301	Computer Applications I	3
POFT	1329	Beginning Keyboarding	3
POFI	2301	Word Processing	3
POFT	2333	Advanced Keyboarding	3
POFI	1349	Spreadsheets	3
Total Hours			15

Office Information Management

(OTI12) 520407

Certificate of Completion

(Courses offered in the self-paced delivery format only)

			Cr/Clock
First Semester			
POFT	1329	Beginning Keyboarding	3/96
POFT	1309	Administrative Office Procedures I	3/96
POFT	1301	Business English	3/96

Second Semester

POFI	1301	Computer Applications I	3/96
POFT	2312	Business Correspondence and Communication	3/96
POFI	2301	Word Processing	3/96

Third Semester

POFT	1325	Business Math Using Technology	3/96
POFT	1319	Records & Information Management I	3/96
POFI	2331	Desktop Publishing	3/96

Fourth Semester

POFI	1349	Spreadsheets	3/96
POFT	2333	Advanced Keyboarding	3/96
POFT	1349	Administrative Office Procedures II	3/96
POFT	2388	Internship	3/144
Total Hours			39
Total Clock Hours			1296

Health Management Related

Health Information Management

(OTH13) 510707

Certificate of Completion

(Courses offered in the self-paced delivery format only)

			Cr/Clock
First Semester			
POFT	1329	Beginning Keyboarding	3/96
POFM	1317	Medical Administrative Support	3/96
POFT	1301	Business English	3/96

Second Semester

POFI	1301	Computer Applications I	3/96
POFT	2312	Business Correspondence and Communication	3/96
HITT	1305	Medical Terminology I	3/96

Third Semester

POFI	2301	Word Processing	3/96
POFT	1319	Records & Information Mgmt I	3/96
HITT	1303	Medical Terminology II	3/96
POFI	1349	Spreadsheets	3/96

Fourth Semester

HITT	1301	Health Data Content and Structure	3/96
HITT	1341	Coding and Classification Systems	3/96
POFM	2386	Internship	3/144
Total Hours			39
Total Clock Hours			1296

Medical Secretary (OTM7) 510716

Certificate of Completion

(Courses offered in the self-paced delivery format only)

			Cr/Clock
First Semester			
POFT	1329	Beginning Keyboarding	3/96
POFM	1317	Medical Administrative Support	3/96
POFT	1301	Business English	3/96

Second Semester

POFI	1301	Computer Applications I	3/96
POFT	2312	Business Correspondence and Communication	3/96
HITT	1305	Medical Terminology I	3/96

Third Semester

POFI	2301	Word Processing	3/96
POFT	1319	Records & Information Mgmt I	3/96
HITT	1303	Medical Terminology II	3/96
MRMT	1307	Medical Transcription I	3/96

Fourth Semester

POFT	2333	Advanced Keyboarding	3/96
MRMT	2333	Medical Transcription II	3/96
POFM	2387	Internship	3/144
Total Hours			39
Total Clock Hours			1296

Medical Office Specialist (OTMO)

510716

Certificate of Completion

(Courses offered in both the self-paced and online delivery formats)

			Cr/Clock
First Semester			
POFT	1329	Beginning Keyboarding	3/96
POFM	1317	Medical Administrative Support	3/96
HITT	1305	Medical Terminology I	3/96
POFT	1301	Business English	3/96

Second Semester

POFI	1301	Computer Applications I	3/96
POFT	2312	Business Correspondence and Communication	3/96
POFT	1319	Records & Information Mgmt. I	3/96
POFT	1325	Business Math Using Technology	3/96

Third Semester

POFI	2301	Word Processing	3/96
POFI	1349	Spreadsheets	3/96
POFM	1302	Medical Software Applications	3/96
POFM	1327	Medical Insurance	3/96

Fourth Semester

POFI	2386	Internship	3/144
Total Hours			39
Total Clock Hours			1296

Medical Coding and Billing (OTMC) 510713

Certificate of Completion

(Courses offered in the online delivery format only)

First Semester			Credit
POFI	1301	Computer Applications I	3
HITT	1305	Medical Terminology I	3
POFT	1301	Business English	3
HITT	1301	Health Data Content & Structure	3
Second Semester			
HITT	1303	Medical Terminology II	3
POFM	1302	Medical Software Applications	3
POFM	1327	Medical Insurance	3
HITT	1341	Coding and Classification Systems	3
Third Semester			
MDCA	1302	Human Disease/Pathophysiology	3
HITT	1249	Pharmacology	2
HITT	2335	Coding and Reimbursement Methodologies	3
POFM	2310	Intermediate Medical Coding	3
Fourth Semester			
HITT	2346	Advanced Medical Coding	3
HITT	2166	Practicum/Field Experience	1
Total Hours			39

Medical Documentation Specialist (OTMD4) 510716

Certificate of Completion

(Courses offered in the online delivery format only)

First Semester			Credit
POFT	1329	Beginning Keyboarding	3
POFM	1317	Medical Administrative Support	3
HITT	1305	Medical Terminology I	3
MRMT	1307	Medical Transcription I	3
Second Semester			
POFT	1301	Business English	3
POFI	2301	Word Processing	3
HITT	1303	Medical Terminology II	3
MRMT	2333	Medical Transcription II	3
Third Semester			
POFM	2333	Medical Document Production	3
HITT	1249	Pharmacology	2
POFT	1207	Proofreading and Editing	2
MDCA	1302	Human Disease/Pathophysiology	3
POFM	1302	Medical Software Applications	3
Fourth Semester			
MRMT	2166	Practicum	1
Total Hours			38

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 (CJCJ) 430104 Associate of Applied Science Degree

First Year			Credit
First Semester			
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
KINE 1125	Physical Conditioning I		1
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
KINE	Physical Activity Course		1

Second Year			Credit
First Semester			
CJSA 1359/CRIJ 2328	Police Systems and Practices		3
CJSA 1342/CRIJ 2314	Criminal Investigation		3
CJSA 1351	Use of Force*		3
ELCT	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
CJLE 1211	Basic Firearms*		2
ELCT	Criminal Justice Elective		3
SPCH	SPCH 1315 or SPCH 1321		3
ELCT	Humanities/Fine Arts Selection		3
ELCT	Computer Technology Skills		3
Total Hours			67

* Appropriate Criminal Justice elective selection may substitute.

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

First Year			Credit
First Semester			
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
KINE 1125	Physical Conditioning I		1

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
KINE	Physical Activity Course	1

Second Year

First Semester

CJCR 1307/CRIJ 2313	Correctional Systems and Practices	3
CJCR 2324/CRIJ 2301	Community Resources in Corrections	3
CJSA 1351	Use of Force*	3
ELCT	Criminal Justice Elective	3
SOCI 1301	Introduction to Sociology	3
GOVT 2305	Federal Government	3

Second Semester

CJCR 1358	Rights of Prisoners	3
CJLE 1211	Basic Firearms*	2
ELCT	Criminal Justice Elective	3
SPCH	SPCH 1315 or SPCH 1321	3
ELCT	Humanities/Fine Arts Selection	3
ELCT	Computer Technology Skills	3
Total Hours		67

* Appropriate Criminal Justice elective selection may substitute.

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-CJ CJ)

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
ELCT	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
ELCT	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	

Basic Peace Officer Academy (BPNC4) 430107

Non-Credit Certificate of Completion

	Contact Hours	
CJLE 1006	Basic Peace Officer I	160
CJLE 1012	Basic Peace Officer II	160
CJLE 1018	Basic Peace Officer III	160
CJLE 1024	Basic Peace Officer IV	160
CJLE 1029	Basic Peace Officer V	80
Total Hours	720	

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.

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 (HS13) 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
LGLA 1304	Military and National Security Legal Issues	3
ENGL 1301	Composition I	3
GOVT 2305	Federal Government	3
KINE	Physical Activity Course	1

Second Semester			
ITSC 1409	Integrated Software Applications I		4
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		
or			
HMSY 1371	Counter Terrorism		3
HMSY 1339	Homeland Security Emergency Contingency Planning		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		
or			
HMSY 2476	Internship		4
Total Hours			68

**Homeland Security and Emergency Management (HS13) 440401
Certificate of Completion**

First Semester		Credit
HMSY 1337	Introduction to Homeland Security	3
EMAP 1400	Principles of Basic Emergency Management	4
LGLA 1304	Military and National Security Legal Issues	3
HMSY 1338	Homeland Security Emergency Communications Management	3
HMSY 1342	Understanding and Combating Terrorism	3

Second Semester

EMAP 2355	Disaster Recovery		
or			
HMSY 1339	Homeland Security Emergency Contingency Planning		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		
or			
HMSY 2476	Internship		4
Total Hours			32

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	Survey of Radio/TV	3
DEGR REQ COMM 2303	Audio/Radio Production	3
DEGR REQ COMM 1336	Television Production I	3

Second Semester

CORE REQ SPCH 1315, 1318 or 1321		3
CORE REQ HIST 1302	United States History II	3
CORE ELEC	Component Area Option	4
DEGR REQ COMM 1337	Television Production II	3
DEGR REQ COMM 2324	Pract. in Electronic Media	3

Second Year

First Semester

CORE REQ GOVT 2305	Federal Government	3
CORE REQ MATH 1332, 1342 or 1414		3-4
CORE ELEC	Life and Physical Science Selection	4
CORE ELEC	Creative Art Selection	3
CORE ELEC	Language/Philosophy/Cultural Studies	3

Second Semester

CORE REQ GOVT 2306	Texas Government	3
CORE REQ	Life and Physical Science Selection	4
CORE ELEC	Social/Behavioral Science Selection	3
DEGR REQ COMM 2327, 2331, 2332 or 2339		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 ELEC	Creative Art Selection	3
DEGR REQ COMM 1335	Survey of Radio/TV	3
DEGR REQ COMM 2303	Audio/Radio Production	3

Second Semester			
CORE REQ	SPCH 1315, 1318 or 1321		3
CORE REQ	HIST 1302 United States History II		3
CORE ELEC	Component Area Option		4
DEGR REQ	COMM 2332 Radio/TV News		3
DEGR REQ	COMM 2324 Prac. in Electronic Media		3

Second Year

First Semester			
CORE REQ	GOVT 2305 Federal Government		3
CORE REQ	MATH 1332, 1342 or 1414		3
CORE ELEC	Life and Physical Science Selection		4
DEGR REQ	COMM 2331 Radio/TV Announcing		3
CORE REQ	GOVT 2306 Texas Government		3

Second Semester

DEGR REQ	COMM 2327 Introduction to Advertising		3
CORE ELEC	Language/Philosophy/Cultural Studies		3
CORE REQ	Life and Physical Science Selection		4
CORE ELEC	Social/Behavioral Science Selection		3
Total Hours			60

**Radio/Television Broadcasting-
Video Production (RTV5) 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 ELEC	Creative Art Selection		3
DEGR REQ	COMM 1335 Survey of Radio/TV		3
DEGR REQ	COMM 1336 Television Production I		3

Second Semester

CORE REQ	SPCH 1315, 1318 or 1321		3
CORE REQ	HIST 1302 United States History II		3
CORE ELEC	Component Area Option		4
DEGR REQ	COMM 1337 Television Production II		3
DEGR REQ	COMM 2323 Radio/TV News		3

Second Year

First Semester			
CORE REQ	GOVT 2305 Federal Government		3
CORE REQ	MATH 1332, 1342, or 1414		3
CORE ELEC	Life and Physical Science Selection		4
DEGR REQ	COMM 2325 Practicum in Electronic Media		3
CORE REQ	GOVT 2306 Texas Government		3

Second Semester

DEGR REQ	COMM 2327 Introduction to Advertising		3
CORE ELEC	Language/Philosophy/Cultural Studies		3
CORE REQ	Life and Physical Science Selection		4
CORE ELEC	Social/Behavioral Science Selection		3
Total Hours			60

**Radio Broadcasting (RTBD5) 090701
Certificate of Completion**

First Semester			Credit
COMM 1335	Survey of Radio/TV		3
COMM 2303	Audio/Radio Production		3
COMM 2331	Radio/Television Announcing		3
COMM 2332	Radio/Television News		3
SPCH	SPCH 1315, 1321 or 2341		3

Second Semester

COMM 2339	Writing for Radio, TV and Film		3
COMM 2324	Practicum in Electronic Media (Audio)		3
COMM 2327	Principles of Advertising		3
ITSC 1309	Integrated Software Applications I		3
COMM 2389	Academic Cooperative		3
Total Hours			30

**Television/Radio/Broadcasting (RTBC5)
090701
Certificate of Completion**

First Semester		Credit
COMM 1335	Survey of Radio/TV	3
COMM 2303	Audio/Radio Production	3
COMM 2331	Radio/Television Announcing	3
COMM 2332	Radio/Television News	3
COMM 1336	Television Production I	3

Second Semester

COMM 2339	Writing for Radio, TV, and Film	3
COMM 2324	Practicum in Electronic Media (Audio)	3
COMM 2327	Principles of Advertising	3
COMM 1337	Television Production II	3
ARTS 2314	Design Communications II	3

Third Semester

COMM 2325	Practicum in Electronic Media	3
ITSC 1309	Integrated Software Applications I	3
COMM 2389	Academic Cooperative	3
Total Hours		39

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 Semester			Credit
CORE REQ	MATH 1414 College Algebra		4
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

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 ELEC	Component Area Option		3
CORE REQ	Life and Physical Science Selection		4

Second Year

First Semester			
DEGR REQ	BIOL 1411, 1413 or ENVR 1401		4
CORE ELEC	Life and Physical Science CHEM 1411		4
CORE REQ	GOVT 2305 Federal Government		3
CORE ELEC	Social/Behavioral Science Selection		3

Second Semester

DEGR REQ	BIOL 2421 Microbio. for Science Majors 4		4
DEGR REQ	BIOL 2428 Vertebrate Zoology		4
CORE REQ	GOVT 2306 Texas Government		3
CORE ELEC	Language/Philosophy/Cultural Studies		3
CORE ELEC	Creative Art Selection		3
Total Hours			62

Biology - Human Biology (BIOL4) 260101

Associate of Science Degree

			Credit
CORE REQ	MATH 1414	College Algebra	4
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

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 ELEC	Component Area Option		3
CORE REQ	Life and Physical Science Selection		4

Second Year

First Semester

DEGR REQ	BIOL 2401	Anatomy & Physiology I	4
CORE ELEC	Life and Physical Science	CHEM 1411	4
CORE REQ	GOVT 2305	Federal Government	3
CORE ELEC	Social/Behavioral Science Selection		3

Second Semester

DEGR REQ	BIOL 2402	Anatomy & Physiology II	4
DEGR REQ	BIOL 2421	Microbio. for Science Majors	4
CORE REQ	GOVT 2306	Texas Government	3
CORE ELEC	Language/Philosophy/Cultural Studies		3
CORE ELEC	Creative Art Selection		3

Total Hours 62

Chemistry (CHEM4) 400501

Associate of Science Degree

			Credit
CORE REQ	MATH 1414	College Algebra	4
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3
CORE REQ	Life and Physical Science Selection		4

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 ELEC	Component Area Option		3
CORE ELEC	Social/Behavioral Science Selection		3

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	GOVT 2305	Federal Government	3
CORE ELEC	Life and Physical Science Selection		4
CORE ELEC	Language/Philosophy/Cultural Studies		3

Second Semester

DEGR REQ	CHEM 2425	Organic Chemistry II	4
DEGR REQ	PHYS 1401 or BIOL 1406		4
CORE REQ	GOVT 2306	Texas Government	3
CORE ELEC	Creative Art Selection		3

Total Hours 62

Environmental Science (ENV4) 030104

Associate of Science Degree

			Credit
CORE REQ	MATH 1414	College Algebra	4
DEGR REQ	ENVR 1401	Environmental Science	4
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3

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 ELEC	Component Area Option		3
CORE ELEC	Social/Behavioral Science Selection		3

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 ELEC	Language/Philosophy/Cultural Studies		3
DEGR REQ	BIOL 1406, 1411 or PHYS 1401		4

Second Semester

CORE ELEC	Life and Physical Science Select from		4
	BIOL 1407, 1413 or PHYS 1402		
CORE REQ	GOVT 2306	Texas Government	3
CORE REQ	Life and Physical Science Selection		4
CORE ELEC	Creative Art Selection		3

Total Hours 62

Geology (GEOL4) 400601

Associate of Science Degree

			Credit
CORE REQ	MATH 1414	College Algebra	4
DEGR REQ	GEOL 1403	Physical Geology	4
CORE REQ	ENGL 1301	Composition I	3
CORE REQ	HIST 1301	United States History I	3

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
CORE ELEC	Component Area Option		3
CORE REQ	Life and Physical Science Selection		4

Second Year

First Semester

DEGR REQ	GEOL 1405 or ENVR 1401		4
DEGR REQ	BIOL 1406, CHEM 1411 or PHYS 1401		4
CORE REQ	GOVT 2305	Federal Government	3
CORE ELEC	Creative Art Selection		3

Second Semester

DEGR REQ	BIOL 1407, CHEM 1412 or PHYS 1402		4
CORE ELEC	Life and Physical Science Selection		4
CORE REQ	GOVT 2306	Texas Government	3
CORE ELEC	Language/Philosophy/Cultural Studies		3
CORE ELEC	Social/Behavioral Science Selection		3

Total Hours 62

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 Semester		Credit
CORE REQ ENGL 1301	Composition I	3
CORE REQ HIST 1301	United States History I	3
CORE ELEC	Creative Art Selection	3
CORE REQ MATH 1332, 1342 or 1414		3-4
CORE ELEC	Language/Philosophy/Cultural Studies	3

Second Semester

CORE REQ SPCH 1315, 1318 or 1321		3
CORE REQ HIST 1302	United States History II	3
CORE ELEC	Component Area Option	3
CORE ELEC	Component Area Option (KINE)	1
CORE REQ	Life and Physical Science Selection	4
CORE REQ GOVT 2305	Federal Government	3

Second Year

First Semester

CORE ELEC	Social/Behavioral Science Selection	3
CORE REQ GOVT 2306	Texas Government	3
CORE ELEC	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		60-61

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
MATH 1414	College Algebra*	4
ENGL 1301	Composition I*	3
ELCT	Life and Physical Science Selection*	4
KINE	Physical Activity Course*	1

Second Semester

MATH 1350	Fundamentals of Math I**	3
ELCT	Life and Physical Science Selection*	4
HIST 1301	United States History I*	3
SPCH	SPCH 1315, 1318 or 1321*	3

Second Year

First Semester

MATH 1351	Fundamentals of Math 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	Intro to Special Populations**	3
ELCT	Life and Physical Science Selection**	4
ELCT	Creative Arts Selection*	3
GOVT 2306	Texas Government*	3
ELCT	Social/Behavioral Science Selection	3
Total Hours		60

* Core Requirements

** EC-6 Requirements

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 (WLDG) 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
ELCT	Elective	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
KINE	Physical Activity Course	1

Second Year**First Semester**

WLDG 1430	Introduction to Gas Metal Arc (GMAW) Welding	4
WLDG 1435	Introduction to Pipe Welding	4
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG 1417	Introduction to Layout and Fabrication	4
ELCT	Computer Technology Skills	3
GOVT 2305	Federal Government	3

Second Semester

WLDG 2453	Advanced Pipe Welding	4
SPCH	SPCH 1315 or 1321	3
WLDG 2447	Advanced Gas Metal Arc (GMAW) Welding	4
ELCT	Humanities/Fine Arts Selection	3
WLDG 2435	Advanced Layout and Fabrication	4
or		
WLDG 2488	Internship	
Total Hours		72

**Welding Technology (WLD13) 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 2447	Advanced Gas Metal Arc (GMAW) Welding	4/96
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4/96
WLDG 2451	Advanced Gas Tungsten Arc (GTAW) Welding	4/96
WLDG 1435	Introduction to Pipe Welding	4/96
WLDG 2453	Advanced Pipe Welding	4/144
WLDG 1417	Intro. to Layout and Fabrication	4/96
WLDG 2435	Advanced Layout and Fabrication	4/96
or		
WLDG 2488	Internship	4/304
Total Hours		54
Total Clock Hours		1440/1648

**Farm and Ranch (WLFR3) 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 1430	Introduction to Gas Metal Arc (GMAW) Welding	4/96
or		
WLDG 2488	Internship	4/304
Total Hours		22
Total Clock Hours		576/784

**Structural (WLS13) 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 1430	Introduction to Gas Metal Arc (GMAW) Welding	4/96
WLDG 2447	Advanced Gas Metal Arc (GMAW) Welding	4/96
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4/96
WLDG 1417	Intro to Layout and Fabrication	4/96
or		
WLDG 2488	Internship	4/304
Total Hours		26
Total Clock Hours		672/880

**Industrial (WLI13) 480508
Certificate of Completion**

		Cr/Clock
WLDG 2443	Advanced Shielded Metal Arc Welding (SMAW)	4/144
WLDG 2447	Advanced Gas Metal Arc (GMAW) Welding	4/96
WLDG 1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4/96
WLDG 1435	Introduction to Pipe Welding	4/96
WLDG 2451	Advanced Gas Tungsten Arc (GTAW) Welding	4/96
WLDG 2453	Advanced Pipe Welding	4/144
WLDG 2435	Advanced Layout and Fabrication	4/96
Total Hours		28
Total Clock Hours		768