

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.

Automotive Mechanic/Technician (AUM15) 470604

Associate of Applied Science Degree

First Year

First Semester				Credit
DEGR	AUMT	1405	Introduction to Automotive Technology	4
DEGR	AUMT	2305	Automotive Engine Theory	3
DEGR	AUMT	1407	Automotive Electrical Systems	4
DEGR	AUMT	2337	Automotive Electronics	3
CORE	MATH	1332	Contemporary Mathematics	3

Second Semester

DEGR	AUMT	2417	Automotive Engine Performance Analysis I	4
DEGR	AUMT	1445	Automotive Climate Control Systems	4
DEGR	AUMT	1410	Automotive Brake Systems	4
DEGR	AUMT	2413	Automotive Drive Train and Axles	4
CORE	ENGL	1301	Composition I	3

Second Year

First Semester				Credit
CORE	SPCH		SPCH 1315 or 1321	3
DEGR	AUMT	1416	Automotive Suspension and Steering Systems	4
DEGR	AUMT	2425	Automotive Automatic Transmission and Transaxle	4
DEGR	AUMT	1319	Automotive Engine Repair	3

Second Semester

CORE	GOVT	2305	Federal Government	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	AUMT	2434	Automotive Engine Performance Analysis II	
or				
DEGR	AUMT	2488	Internship - Automobile/Automotive Mechanics Technology/Technician	4
Total Hours				60

Basic Automotive Technician (AUB13) 470604

Certificate of Completion

				Credit
AUMT	1405	Introduction to Automotive Technology		4
AUMT	1407	Automotive Electrical Systems		4
AUMT	1410	Automotive Brake Systems		4
AUMT	1416	Automotive Suspension and Steering Systems		4
AUMT	2305	Automotive Engine Theory		3
Total Hours				19

Certificate is stackable towards AAS Automotive Mechanic/Technician (AUM15)

Automotive System Specialist (AUSS5) 470604**Certificate of Completion***(Requires AUB13 completion)*

			Credit
AUMT	2337	Automotive Electronics	3
AUMT	1445	Automotive Climate Control Systems	4
AUMT	2413	Automotive Drive Train and Axles	4
AUMT	2425	Automotive Automatic Transmissions and Transaxles	4
AUMT	1319	Automotive Engine Repair	3
Total Hours			18

Certificate is stackable towards AAS Automotive Mechanic/Technician (AUM15)

Automotive Technician (AUT5) 470604**Certificate of Completion**

			Credit
AUMT	1405	Introduction to Automotive Technology ⁺	4
AUMT	2305	Automotive Engine Theory ⁺	3
AUMT	1407	Automotive Electrical Systems ⁺	4
AUMT	2337	Automotive Electronics ⁺	3
AUMT	1319	Automotive Engine Repair ⁺	3
AUMT	1445	Automotive Climate Control Systems ⁺	4
AUMT	1410	Automotive Brake Systems ⁺	4
AUMT	1416	Automotive Suspension and Steering Systems ⁺	4
AUMT	2413	Automotive Drive Train and Axles ⁺	4
AUMT	2425	Automotive Automatic Transmission and Transaxle ⁺	4
AUMT	2434	Automotive Engine Performance Analysis II	4
AUMT	2417	Automotive Engine Performance Analysis I ⁺	4
or			
AUMT	2488	Internship - Automobile/Automotive Mechanics Technology/Technician ⁺	4
Total Hours			45

⁺Courses are stackable towards AAS Automotive Mechanic/Technician (AUM15)

Business

The Business Administration and Legal Assistant/Paralegal Department at Central Texas College offers various degrees and certificates through three divisions. Degree attainment in the career fields of business management, the hospitality industry, the legal assistant profession, homeland security, accounting, logistics, global supply chain management, 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 and field of study 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 for those aspiring to advance in their profession or start their own business, with the opportunity to continue to a bachelor of applied science.

Business Administration (BUB15) 520101 Associate of Science Degree

First Year

First Semester				Credit
DEGR/FOS	BUSI	1301	Business Principles	3
CORE			Life and Physical Science Selection	4
CORE	HIST	1301	U.S. History I	3
CORE	ENGL	1301	Composition I	3
DEGR/FOS	BCIS	1305	Business Computer Applications	3

Second Semester

CORE			Life and Physical Science Selection	4
CORE	HIST	1302	U.S. History II	3
CORE/FOS	ECON	2301	Macroeconomics	3
CORE	MATH		MATH 1314, 1332 or 1342	3

Second Year

First Semester				Credit
DEGR	ENGL	1302	Composition II	3
DEGR/FOS	ACCT	2301	Principles of Financial Accounting	3
CORE			Language/Philosophy/Culture (PHIL 1301*)	3
CORE	GOVT	2305	Federal Government	3
CORE			Component Area Option	4
Second Semester				Credit
DEGR/FOS	ACCT	2302	Principles of Managerial Accounting	3
CORE	GOVT	2306	Texas Government	3
DEGR			Social/Behavioral Science (ECON 2302*/FOS)	3
CORE			Communications (SPCH 1321)	3
CORE			Creative Arts	3
Total Hours				60

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

<http://www.thecb.state.tx.us/institutional-resources-programs/public-universities-health-related-institutions/transfer-resources/field-of-study-curricula/>.

Business Administration (BUB20) 520101 Associate of Science Degree - Field of Study

First Year

First Semester				Credit
DEGR/FOS	BUSI	1301	Business Principles	3
CORE			Life and Physical Science Selection**	4
CORE	HIST	1301	U.S. History I	3
CORE	ENGL	1301	Composition I	3
DEGR/FOS	BCIS	1305	Business Computer Applications	3

Second Semester

CORE			Life and Physical Science Selection **	4
CORE	HIST	1302	U.S. History II	3
CORE/FOS	ECON	2301	Principles of Macroeconomics	3
CORE/FOS	MATH	1324	Mathematics for Business and Social Sciences	3

Second Year**First Semester**

DEGR/FOS	BUSI	2305	Business Statistics	3
DEGR/FOS	ACCT	2301	Principles of Financial Accounting	3
CORE			Language/Philosophy/Culture (PHIL 1301+)**	3
CORE	GOVT	2305	Federal Government	3
CORE			Component Area Option (ENGL 1302+)**	3
CORE	EDUC	1100	Learning Frameworks	1

Second Semester

DEGR/FOS	ACCT	2302	Principles of Managerial Accounting	3
CORE	GOVT	2306	Texas Government	3
DEGR/FOS	ECON	2302	Principles of Microeconomics	3
CORE	SPCH	1321	Business and Professional Speaking	3
CORE			Creative Arts	3

Total Hours **60**

* For students transferring to Universities with the State of Texas, PHIL 1301 and ENGL 1302 are highly recommended.

** Refer to catalog Core Curriculum for course options

<http://www.theccb.state.tx.us/institutional-resources-programs/public-community-technical-state-colleges/transfer-resources/field-of-study-curricula/>

Business Management (BUBM5) 520201
Associate of Applied Science Degree**First Year**

				Credit
First Semester				
DEGR	HRPO	1311	Human Relations	3
CORE	ENGL	1301	Composition I	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR/FOS	BUSI	1301	Business Principles	3
CORE	SPCH		SPCH 1315, 1318 or 1321	3
DEGR	ELEC		MRKG 1302, MRKG 2333 or KINE Elective*	3

Second Semester

CORE	MATH		MATH 1314, 1332 or 1342	3
DEGR	BMGT	1327	Principles of Management	3
DEGR	MRKG	1311	Principles of Marketing	3
DEGR	ELEC		BMGT 2370 or BMGT 2388	3

Second Year**First Semester**

DEGR	BMGT	1325	Office Management	3
DEGR/FOS	ACCT	2301	Principles of Financial Accounting	
or				
DEGR	ACNT	1303	Introduction to Accounting I	3
DEGR	HRPO	2301	Human Resource Management	3
DEGR	BUSG	2305	Business Law/Contracts	
or				
DEGR	BUSI	2301	Business Law	3
CORE/FOS	ECON		ECON 2301 or 2302	3

Second Semester

DEGR	BUSG	2309	Small Business Management/Entrepreneurship	3
DEGR/FOS	ACCT	2302	Principles of Managerial Accounting	
or				
DEGR	ACNT	1304	Introduction to Accounting II	3
DEGR	ENGL	1302	Composition II	
or				
DEGR/FOS	BCIS	1305	Business Computer Applications	
or				
DEGR	ITSC	1309	Integrated Software Applications	3
DEGR	BMGT	1301	Supervision	3
DEGR	ELEC		BMGT 2371, 2389 or BUSG 1371	3

Total Hours **60**

* If the KINE elective is chosen, you may take one 3-hour KINE course or three 1-hour KINE courses over three semesters.

<http://www.theccb.state.tx.us/institutional-resources-programs/public-universities-health-related-institutions/transfer-resources/field-of-study-curricula/>

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	
or			
BCIS	1305	Business Computer Applications	3
MRKG	1311	Principles of Marketing	3
Second Semester			
HRPO	2301	Human Resource Management	3
BMGT	1301	Supervision	3
BUSG	2305	Business Law/Contracts	
or			
BUSI	2301	Business Law	3
ELEC		ACNT/BMGT/BUSG/BUSI/RELE/MRKG	3
ELEC		BMGT 2370, BMGT 2388 or BUSG 1371	3
Total Hours			30

Certificate is stackable towards AAS Business Management (BUBM5)

Business Management Supervision (BUS17) 520201

Certificate of Completion

First Semester			Credit
BUSI	1301	Business Principles	3
BMGT	1301	Supervision	3
BMGT	1327	Principles of Management	3
HRPO	1311	Human Relations	3
Second Semester			
HRPO	2301	Human Resources Management	3
BUSG	2309	Small Business Management/Entrepreneurship	3
Total Hours			18

Certificate is stackable towards AAS Business Management (BUBM5)

Human Resources Management (HRM17) 520201

Certificate of Completion

			Credits
BUSI	1301	Business Principles ⁺	3
HRPO	2301	Human Resources Management ⁺	3
HRPO	1311	Human Relations ⁺	3
POFT	1301	Business English	3
BMGT	1325	Office Management ⁺	3
ACNT	1329	Payroll and Business Tax Accounting	
or			
ACNT	1303	Introduction to Accounting II ⁺	
or			
ACCT	2301	Principles of Financial Accounting ⁺	3
Total Hours			18

⁺Courses are stackable towards AAS Business Management (BUBM5)

Accounting Technician (BMAT) 520302

Associate of Applied Science Degree

First Year

First Semester				Credit
DEGR	ACNT	1303	Introduction to Accounting I	
or				
DEGR	ACCT	2301	Principles of Financial Accounting	3
CORE	ENGL	1301	Composition I	3
CORE	MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3
DEGR	BUSI	1301	Business Principles	3
DEGR	BCIS	1305	Business Computer Applications	
or				
DEGR	ITSC	1309	Integrated Software Applications I	3

Second Semester

DEGR	ACNT	1304	Introduction to Accounting II	
or				
DEGR	ACCT	2302	Principles of Managerial Accounting	3
DEGR	ACNT	1311	Introduction to Computerized Accounting	3
DEGR	BMGT	1325	Office Management	3
DEGR	ACNT	1329	Payroll and Business Tax Accounting	3
DEGR	BUSI	2301	Business Law	
or				
DEGR	BUSG	2305	Business Law/Contracts	3

Second Year

First Semester				Credit
DEGR	ELEC		Humanities/Fine Arts Elective	3
CORE	ELEC		Social and Behavioral Science	3
DEGR	ECON	2301	Principles of Macroeconomics	3
CORE	SPCH	1315	Public Speaking	
or				
CORE	SPCH	1321	Business and Professional Communications	3
CORE	MATH	1342	Elementary Statistical Methods	3
Second Semester				Credit
DEGR	BUSG	1303	Principles of Finance	3
DEGR	HRPO	2301	Human Resources Management	3
DEGR	ECON	2302	Principles of Microeconomics	3
DEGR	ACNT	1331	Federal Income Tax Individual	3
DEGR	BUSG	1371	Entrepreneurship and Business Plan Development	3
Total Hours				60

Business Management Accounting Specialist (BMAS) 520201

Certificate of Completion

First Semester				Credit
ACNT	1303	Introduction to Accounting I		
or				
ACCT	2301	Principles of Financial Accounting		3
ACNT	1304	Introduction to Accounting II		
or				
ACCT	2302	Principles of Managerial Accounting		3
ACNT	1311	Introduction to Computerized Accounting		3
ACNT	1329	Payroll and Business Tax Accounting		3
ACNT	1331	Federal Income Tax: Individual		3
BUSG	1303	Principles of Finance		3
Total Hours				18

Certificate is stackable towards AAS Accounting Technician (BMAT)

Business Management Accounting Technician (BMAT) 520201

Certificate of Completion

First Semester			Credit
ACNT	1303	Introduction to Accounting I	3
ENGL	1301	Composition I	3
BMGT	1325	Office Management	3
MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3
BCIS	1305	Business Computer Applications	
or			
ITSC	1309	Integrated Software Applications	3
Second Semester			
ACNT	1304	Introduction to Accounting II	3
ACNT	1311	Introduction to Computerized Accounting	3
BUSI	2301	Business Law	
or			
BUSG	2305	Business Law/Contracts	3
ACNT	1329	Payroll and Business Tax Accounting	
or			
ACNT	1331	Federal Income Tax: Individual	3
BUSG	1303	Principles of Finance	3
Total Hours			30

Certificate is stackable towards AAS Accounting Technician (BMAT)

Business Management Marketing and Sales Management Specialization (BUMS5) 520201

Associate of Applied Science Degree

First Year				Credit
First Semester				
DEGR	HRPO	1311	Human Relations	3
CORE	ENGL	1301	Composition I	3
DEGR/FOS	BUSI	1301	Business Principles	3
DEGR	ITSC	1309	Integrated Software Applications I	
or				
DEGR/FOS	BCIS	1305	Business Computer Applications	3
CORE	SPCH		SPCH 1315, 1318 or 1321	3
Second Semester				
CORE	MATH		MATH 1314, 1332, 1342 or 1414	3-4
DEGR	MRKG	1311	Principles of Marketing	3
DEGR	BMGT	1325	Office Management	3
DEGR	MRKG	1302	Principles of Retailing	3
DEGR	ELEC		BMGT 2370 or 2388	3
Second Year				
First Semester				
CORE/FOS	ECON		ECON 2301 or 2302	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	ELEC		BMGT/BUSI/BUSG/RELE/ACNT	3
DEGR/FOS	ACCT	2301	Principles of Financial Accounting	
or				
DEGR	ACNT	1303	Introduction to Accounting I	3
Second Semester				
DEGR/FOS	ACCT	2302	Principles of Managerial Accounting	
or				
DEGR	ACNT	1304	Introduction to Accounting II	3
DEGR	BUSG	2305	Business Law/Contracts	
or				
DEGR	BUSI	2301	Business Law	3
DEGR	MRKG	2333	Principles of Selling	3
DEGR	ELEC		Elective	3
DEGR	ELEC		BMGT/BUSI/BUSG/RELE	3
DEGR	ELEC		BMGT 2371, 2389 or BUSG 1371	3
Total Hours				60-61

<http://www.theccb.state.tx.us/institutional-resources-programs/public-universities-health-related-institutions/transfer-resources/field-of-study-curricula/>.

Business Management Marketing and Sales Management (BUMS5) 520201

Certificate of Completion

First Semester			Credit
HRPO	1311	Human Relations	3
BUSI	1301	Business Principles	3
ITSC	1309	Integrated Software Applications I	
or			
BCIS	1305	Business Computer Applications	3
ELEC		BMGT/BUSI/BUSG/RELE/HRPO	3
Second Semester			
MRKG	1311	Principles of Marketing	3
MRKG	2333	Principles of Selling	3
ELEC		BUSI/BMGT/BUSG/RELE/MRKG	3
ELEC		BMGT 2370, BMGT 2388, or RELE 2488	3-4
Total Hours			24-25

Certificate is stackable towards AAS Business Management Marketing and Sales Management Specialization (BUMS5)

Logistics and Global Supply Chain Management (LGS18) 520203

Associate of Applied Science

First Year				Credits
First Semester				
CORE	ENGL	1301	English Composition I	3
DEGR	BMGT	1325	Office Management	3
CORE	MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3
DEGR	LMGT	1319	Introduction to Business Logistics	3
DEGR	BCIS	1305	Business Computer Applications	
or				
DEGR	ITSC	1309	Integrated Software Applications I	3
Second Semester				
DEGR	ACNT	1303	Introduction to Accounting I	
or				
DEGR	ACCT	2301	Principles of Financial Accounting	3
DEGR	IBUS	1301	Principles of Exports	3
DEGR	BMGT	1313	Principles of Purchasing	3
DEGR	LMGT	1321	Introduction to Materials Handling	3
DEGR	IBUS	1305	Introduction to International Business and Trade	3
Second Year				
First Semester				
DEGR	BUSI	2301	Business Law	
or				
DEGR	BUSG	2305	Business Law/Contracts	3
CORE	ECON	2301	Principles of Macroeconomics	3
DEGR	IBUS	1302	Principles of Imports	3
DEGR	LMGT	1323	Domestic and International Transportation Management	3
DEGR	IBUS	1341	Global Supply Chain Management	3
Second Semester				
CORE	ELEC		Humanities/Fine Arts Elective	3
CORE	ECON	2302	Principles of Microeconomics	3
DEGR	LMGT	1325	Warehouse and Distribution Center Management	3
DEGR	BMGT	2388	Internship – Business Administration and Management, General	3
or				
DEGR	BMGT	2370	Management Applications I	3
DEGR	IBUS	2332	Global Business Simulation	3
Total Hours				60

Logistics Specialist (LGS18) 520203

Certificate of Completion

First Semester			Credit
BMGT	1325	Office Management	3
LMGT	1319	Introduction to Business Logistics	3
LMGT	1321	Introduction to Materials Handling	3
LMGT	1323	Domestic and International Transportation Management	3
Second Semester			
LMGT	1325	Warehouse and Distribution Center Management	3
BMGT	2388	Internship – Business Administration and Management, General	3
or			
BMGT	2370	Management Applications I	3
Total Hours			18

Certificate is stackable towards AAS Logistics and Global Supply Chain Management (LGS18)

Global Supply Chain Management Specialist (LGS19) 520203

Certificate of Completion

First Semester			Credit
BMGT	1313	Principles of Purchasing	3
IBUS	1301	Principles of Exports	3
IBUS	1302	Principles of Imports	3
IBUS	1305	Introduction to International Business and Trade	3
Second Semester			
IBUS	1341	Global Supply Chain Management	3
IBUS	2332	Global Business Stimulation	3
Total Hours			18

Certificate is stackable towards AAS Logistics and Global Supply Chain Management (LGS18)

Applied Management (BUAF5) 520201

Associate of Applied Science Degree

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

First Year				
First Semester				Credit
DEGR	BUSI	1301	Business Principles	3
CORE	ENGL	1301	Composition I	3
CORE	MATH		MATH 1314, 1332 or 1342	3
DEGR	BMGT	1327	Principles of Management	3
DEGR	HRPO	1311	Human Relations	3
Second Semester				
DEGR	BUSI	1307	Personal Finance	3
DEGR	ENGL		English Selection	3
DEGR	ELEC		BMGT/BUSG/ECON/MRKG	3
CORE	SPCH		SPCH 1315, 1318 or 1321	3
DEGR	ELEC		ITSC 1309 or BCIS 1305	3
Second Year				
First Semester				
DEGR	ACCT	2301	Principles of Financial Accounting	3
DEGR	HRPO	2301	Human Resource Management	3
DEGR	BMGT	1301	Supervision	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	ELEC		BMGT/BUSG/ECON/MRKG	3
Second Semester				
CORE	ELEC		Social/Behavioral Science Selection	3
DEGR	BUSG	2305	Business Law/Contracts	
or				
DEGR	BUSI	2301	Business Law	3
DEGR	MRKG	1311	Principles of Marketing	3
DEGR	ELEC		BMGT/BUSG/ECON/MRKG or Approved Selection	3
DEGR	ELEC		BMGT/BUSG/ECON/MRKG/ITSW/ITSC/ITSE	3
Total Hours				60

Applied Management with Computer Applications (BUAM5) 520201**Associate of Applied Science Degree**

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

First Year

First Semester				Credit
DEGR	BMGT	1327	Principles of Management	3
DEGR	ELEC		Computer Science Elective	4
DEGR	ITSC	1309	Integrated Software Applications I	
or				
DEGR	BCIS	1305	Business Computer Applications	3
CORE	ENGL	1301	Composition I	3
CORE	MATH		MATH 1332 or 1342	3

Second Semester

DEGR	BMGT	1301	Supervision	3
DEGR	BMGT	1325	Office Management	3
DEGR	ITSC	1415	Project Management Software	4
DEGR	ITSW	1307	Introduction to Database	3
CORE	SPCH		SPCH 1315 or 1321	3

Second Year

First Semester				
DEGR	BUSG	2305	Business Law/Contracts	
or				
DEGR	BUSI	2301	Business Law	3
DEGR	HRPO	2301	Human Resource Management	3
DEGR	ACCT	2301	Principles of Financial Accounting	3
DEGR	ITSE	1329	Programming Logic and Design	3

Second Semester

DEGR	HRPO	1311	Human Relations	3
DEGR	ELEC		Computer Science Elective	4
DEGR	ACCT	2302	Principles of Managerial Accounting	3
CORE	ELEC		Humanities/Fine Arts Selection	3
CORE	ELEC		Social/Behavioral Science Selection	3
Total Hours				60

Child Development

Economic, social, and educational changes have made the child care profession a way of life for today's families. Because of these critical demands, many new opportunities are available in the child development field. CTC's Child Development program provides students with the needed skills and academic training to meet these demands. The child care profession is overgrowing as society recognizes the importance of the early childhood years in shaping the whole child's physical, intellectual, emotional, and social abilities.

People working with young children must have exceptional skills: knowledge of child development and developmentally appropriate practices; boundless patience; good judgment, the strength of character; and maturity to exercise the balance of control and latitude that young children require. An Associate of Applied Sciences degree in child development enables students to own, manage, or teach at a child care facility in most states. The AAS curriculum is the foundation for various bachelor's programs in Texas. It can also provide a unique set of skills for various professions outside of child development. Child Development courses require students to complete lab hours or field experience working directly with children in the community or a child care facility.

Child Development (CDS15) 190709 Associate of Applied Science Degree

First Year

First Semester				Credit
DEGR	CDEC/TECA	1311	Educating Young Children ⁺	3
DEGR	CDEC	1413	Curriculum Resources for Early Childhood Programs ⁺	4
DEGR	CDEC	1419	Child Guidance ⁺	4
CORE	ENGL	1301	Composition I	3
DEGR	CDEC	1359	Children with Special Needs ⁺	3

Second Semester

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

Second Year

First Semester				Credit
DEGR	CDEC	1356	Emergent Literacy for Early Childhood ⁺	3
DEGR	CDEC	2307	Math and Science for Early Childhood ⁺	3
DEGR	CDEC	2426	Administration of Programs for Children I ⁺	4
CORE	ELEC		Social/Behavioral Science Selection	3
CORE	ELEC		Natural Science/Mathematics	3

Second Semester

DEGR	CDEC	2388	Internship - Child Care Provider/Assistant ⁺	3
CORE	ELEC		Humanities/Fine Arts Selection	3
CORE	ELEC		Social/Behavioral Science Selection	3
DEGR	CDEC	2341	School Age Child ⁺	3
Total Hours				60

Administrator's Credentials (CDA14) 190708 Certificate of Completion*

First Semester				Credit
CDEC/TECA	1311	Educating Young Children ⁺		3
CDEC/TECA	1303	Families, School and Community ⁺		3
CDEC	1413	Curriculum Resources for Early Childhood Programs ⁺		4
CDEC	1419	Child Guidance ⁺		4
CDEC	2426	Administration of Programs for Children I ⁺		4
Total Hours				18

* Certificate is stackable towards AAS Child Development (CDS15)

Child Development Instructional Aide/Teacher Assistant (CDS20) 190709

Certificate of Completion*

First Year

First Semester		Credit	
CDEC/TECA	1311	Educating Young Children ⁺	3
CDEC	1413	Curriculum Resources for Early Childhood Programs ⁺	4
CDEC	1419	Child Guidance ⁺	4
ENGL	1301	Composition I ⁺	3
CDEC	1359	Children with Special Needs ⁺	3
EDUC	1100	Learning Frameworks	1

Second Semester

EDUC	1301	Introduction to the Teaching Profession	3
CDEC/TECA	1354	Child Growth and Development ⁺	3
CDEC/TECA	1318	Wellness of the Young Child ⁺	3
CDEC/TECA	1303	Families, School and Community ⁺	3
ELEC		BCIS 1305 or COSC 1301	3

Third Semester

ELEC		Natural Science or Mathematics Selection ⁺	3
SPCH		SPCH 1315, 1318, 1321 or 2341 (SPCH 1315 is preferred)	3
EDUC	2301	Introduction to Special Populations ⁺	3
CDEC	2341	The School Age Child ⁺	3
CDEC	1356	Emergent Literacy for Early Childhood ⁺	3

Total Hours **48**

* Certificate is stackable towards AAS Child Development (CDS15)

Child and Youth Serving Professional (CYSP) 190708

Certificate of Completion*

First Year

First Semester			Credit
CDEC/TECA	1303	Families, School and Community ⁺	3
CDEC	1419	Child Guidance ⁺	4
KINE	1306	First Aid	3
KINE	1321	Coaching/Sports/Athletics I	3
CDEC	1359	Children with Special Needs ⁺	3

Second Semester

CDEC/TECA	1354	Child Growth and Development ⁺	3
BUSG	2309	Small Business Management/Entrepreneurship	3
CDEC	2341	The School Age Child ⁺	3
SPCH	1318	Interpersonal Communication	3
ITSC	1309	Integrated Software Applications I	3

Total Hours **31**

* Certificate is stackable towards AAS Child Development (CDS15)

Child Development Associate (CDCD) 190709

Occupational Skills Achievement

Upon successful completion, students are eligible to continue to pursue the CDA, National Credentialing program.

			Credit
CDEC	1417	Child Development Associate Training I ⁺	4
CDEC	2422	Child Development Associate Training II ⁺	4
CDEC	2424	Child Development Associate Training III ⁺	4
Total Hours			12

⁺ These courses require lab requirements for each course because each course has specific lab locations and assignments. A student cannot obtain a final grade for the course without completing all of the lab or field experience hours and lab assignments.

Computer Information Technology and Systems

The Associate of Science degree in Computer Science is designed for the student wishing to pursue a bachelor's degree. We also offer Associate of Applied Science degrees and certificates in Cybersecurity, Cloud Computing, Networking, and IT, designed to provide an entry-level, industry-validated "hands-on" approach to learning. The courses within the certificates can be used also for the appropriate degree.

Computer Science (CS17) 110201 Associate of Science Degree

First Year

First Semester				Credit
DEGR	COSC	1301	Introduction to Computing	3
DEGR	COSC	1315	Introduction to Computer Programming	3
CORE	ENGL	1301	Composition I	3
CORE	MATH		Mathematics	3
CORE	HIST	1301	United States History I	3

Second Semester

DEGR	COSC	1336	Programming Fundamentals I	3
CORE	SPCH		SPCH 1318 or 1321	3
CORE			Life and Physical Sciences	4
CORE			Language, Philosophy and Culture	3
CORE	HIST	1302	United States History II	3

Second Year

First Semester				Credit
DEGR	COSC	1337	Programming Fundamentals II	3
DEGR	COSC	2325	Computer Organization	3
CORE			Creative Arts	3
CORE	GOVT	2305	Federal Government	3
CORE			Social and Behavioral Sciences Selection	3

Second Semester

DEGR	COSC	2336	Programming Fundamentals III	3
CORE	GOVT	2306	Texas Government	3
CORE			Life and Physical Sciences	4
CORE	ELEC		Approved Elective*	4

Total Hours **60**

*Any 4 hour course in the Core Component Option 090

Cyberdefense – Information Assurance (CDIA) 111003 Associate of Applied Science

First Year

First Semester				Credit
DEGR	COSC	1301	Introduction to Computing	3
DEGR	ITSC	1316	Linux Installation and Configuration	3
DEGR	ITCC	1314	CCNA 1: Introduction to Networks	3
CORE	ENGL	1301	Composition I	3
CORE	MATH		Mathematics	3

Second Semester

DEGR	ITNW	1316	Network Administration	3
DEGR	ITSE	1359	Introduction to Scripting Languages	3
DEGR	ITCC	1344	CCNA2: Switching, Routing and Wireless Essentials	3
DEGR			Language, Philosophy and Culture	3
CORE			Social and Behavioral Science Selection	3

Second Year**First Semester**

DEGR	ITSY	2401	Firewalls and Network Security	4
DEGR	ITNW	1313	Computer Virtualization	3
DEGR	ITSY	1342	Information Technology Security	3
DEGR	GOVT		GOVT 2305 or 2306	3
CORE	SPCH		SPCH 1318 or 1321	3

Second Semester

DEGR	ITSY	2345	Network Defense and Countermeasures	3
CORE			Creative Arts	3
DEGR	ITNW	1454	Implementing and Supporting Servers	4
DEGR	ITSY	2459	Security Assessment and Auditing (CAPSTONE)	4
Total Hours				60

Cyberdefense – Information Assurance (CDIA) 111003**Certificate of Completion***

First Semester				Credit
COSC	1301	Introduction to Computing		3
ITSC	1316	Linux Installation and Configuration		3
ITCC	1314	CCNA 1: Introduction to Networks		3
Second Semester				
ITNW	1316	Network Administration		3
ITSE	1359	Introduction to Scripting Languages		3
ITCC	1344	CCNA2: Routing and Switching Essentials		3
ITSY	2401	Firewalls and Network Security		4
Third Semester				
ITSY	1342	Information Technology Security		3
ITNW	1313	Computer Virtualization		3
ITSY	2345	Network Defense and Countermeasures		3
Total Hours				31

* This is a Level II certificate stackable towards AAS Cyberdefense-Information Assurance (CDIA)

Cyberdefense – Information Assurance (CDIA) 111003**Certificate of Completion***

First Semester				Credit
COSC	1301	Introduction to Computing		3
ITCC	1314	CCNA 1: Introduction to Networks		3
ITSC	1316	Linux Installation and Configuration		3
Second Semester				
ITNW	1316	Network Administration		3
ITSY	2401	Firewalls and Network Security		4
Third Semester				
ITSY	1342	Information Technology Security		3
ITSY	2345	Network Defense and Countermeasures		3
Total Hours				22

* This is a Level I certificate stackable towards AAS Cyberdefense-Information Assurance (CDIA)

Cybersecurity (CSUR5) 111003**Certificate of Completion**

First Semester				Credit
ITCC	1314	CCNA 1: Introduction to Networks		3
or				
ITNW	1325	Fundamentals of Networking Technologies		
ITSC	1316	Linux Installation and Configuration		3
ITSY	1342	Information Technology Security		3
ITNW	1316	Network Administration		3
ITSY	2401	Firewalls and Network Security		4
Total Hours				16

Certificate stackable towards AAS Cyberdefense-Information Assurance (CDIA)

IT Network Analyst (INA17) 111001

Certificate of Completion

First Semester			Credit
ITCC	1314	CCNA 1: Introduction to Networks	3
or			
ITNW	1325	Fundamentals of Networking Technologies	
ITNW	1316	Network Administration	3
Second Semester			
ITNW	1309	Fundamentals of Cloud Computing	3
ITNW	1454	Implementing and Supporting Servers	4
ITSY	1342	Information Technology Security	3
Total Hours			16

Certificate stackable towards AAS Cyberdefense-Information Assurance (CDIA)

Information Technology (CSI17) 110103

Associate of Applied Science Degree

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

First Year				Credit
First Semester				
DEGR	COSC	1301	Introduction to Computing	3
or				
DEGR	ITSC	1301	Introduction to Computers	
DEGR	ITSC	1309	Integrated Software Applications I	3
or				
DEGR	BCIS	1305	Business Computer Applications	
DEGR	ITNW	1325	Fundamentals of Networking Technologies	3
or				
DEGR	ITCC	1314	CCNA 1: Introduction to Networks	
CORE	ENGL	1301	Composition I	3
CORE	MATH	1414	College Algebra	4
Second Semester				
DEGR	CPMT	1345	Computer Systems Maintenance	3
DEGR	ITSC	1415	Project Management Software	4
DEGR	ITSY	1342	Information Technology Security	3
DEGR			Language, Philosophy and Culture	3
CORE			Social and Behavioral Sciences Selection	3
Second Year				
First Semester				
DEGR	ITNW	1337	Introduction to the Internet	3
DEGR	ITSC	1325	Personal Computer Hardware	3
DEGR	ITSE	1329	Programming Logic and Design	3
or				
DEGR	COSC	1315	Introduction to Computer Programming	
CORE	SPCH		SPCH 1318 or 1321	3
Second Semester				
DEGR	ITSE	1302	Computer Programming	3
or				
DEGR	COSC	1336	Programming Fundamentals I	
DEGR	ITSW	1307	Introduction to Database	3
DEGR	IMED	1316	Web Design I	3
CORE			Creative Arts	3
DEGR	ITSC	2439	Personal Computer Help Desk Support	4
or				
DEGR	ITSC	2486	Internship – Computer and Information Sciences, General	
Total Hours				60

Computer Helpdesk Specialist (CSI17) 111006

Certificate of Completion

First Semester			Credit
ITSC	1309	Integrated Software Applications I	3
or			
BCIS	1305	Business Computer Applications	
ITNW	1325	Fundamentals of Networking Technologies	3
or			
ITCC	1314	CCNA 1: Introduction to Networks	
ITSE	1329	Programming Logic and Design	3
or			
COSC	1315	Introduction to Computer Programming	
ITSC	1325	Personal Computer Hardware	3
ITNW	1337	Introduction to the Internet	3
Second Semester			
CPMT	1345	Computer Systems Maintenance	3
ITSC	1415	Project Management Software	4
ITSY	1342	Information Technology Security	3
ITSC	2439	Personal Computer Help Desk Support	4
Total Hours			29

Certificate is stackable towards AAS Information Technology (CSI17)

Computer Systems Technician (CST19) 151201

Certificate of Completion

First Semester			Credit
ITSC	1301	Introduction to Computers ⁺	
or			
COSC	1301	Introduction to Computing ⁺	3
CETT	1325	Digital Fundamentals	3
CETT	1303	DC Circuits	3
ITSC	1325	Personal Computer Hardware ⁺	3
Second Semester			
ITNW	1325	Fundamentals of Networking Technologies ⁺	3
CETT	1305	AC Circuits	3
CPMT	1345	Computer Systems Maintenance ⁺	3
CETT	1429	Solid State Devices	4
Total Hours			25

⁺ Courses are stackable towards AAS Information Technology (CSI17)

Web Technologies (CSW17) 110801

Certificate of Completion

First Semester			Credit
ITCC	1314	CCNA 1: Introduction to Network ⁺	3
or			
ITNW	1325	Fundamentals of Network Technologies ⁺	
ITNW	1337	Introduction to the Internet ⁺	3
ITSE	1329	Programming Logic and Design ⁺	3
or			
COSC	1315	Introduction to Computer Programming ⁺	
Second Semester			
ITSY	1342	Information Technology Security ⁺	3
IMED	1316	Web Design I ⁺	3
ITSW	1307	Introduction to Database ⁺	3
ITSE	2402	Intermediate Web Programming (PHP/Scripting/Mobile Apps)	4
Total Hours			22

⁺ Courses are stackable towards AAS Information Technology (CSI17)

Network Systems Administrator (CSN17) 111001

Associate of Applied Science Degree

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

First Year

First Semester				Credit
DEGR	COSC	1301	Introduction to Computing	3
or				
DEGR	ITSC	1301	Introduction to Computers	
DEGR	ITCC	1314	CCNA 1: Introduction to Networks	3
or				
DEGR	ITNW	1325	Fundamentals of Networking Technologies	
DEGR	ITSC	1316	Linux Installation and Configuration	3
CORE	ENGL	1301	Composition I	3
CORE	MATH		Mathematics	4

Second Semester

DEGR	ITNW	1316	Network Administration	3
DEGR	ITSE	1359	Introduction to Scripting Languages	3
DEGR	ITCC	1344	CCNA 2: Switching, Routing, and Wireless Essentials	3
DEGR	GOVT		GOVT 2305 or 2306	3
CORE			Social and Behavioral Sciences Selection	3

Second Year

First Semester				Credit
DEGR	ITSY	2401	Firewalls and Network Security	4
DEGR	ITNW	1313	Computer Virtualization	3
DEGR	ITSY	1342	Information Technology Security	3
CORE			Creative Arts	3
CORE	SPCH		SPCH 1318 or 1321	3

Second Semester

DEGR	ITSY	2345	Network Defense and Countermeasures	3
DEGR	ITNW	1337	Introduction to the Internet	3
DEGR	ITSW	1307	Introduction to Database	3
DEGR	ITNW	1454	Implementing and Supporting Servers	
or				
DEGR	ITNW	2488	Internship – Computer Systems Networking/Telecommunications	4
Total Hours				60

Telecommunications Technician (ELN17) 111001

Certificate of Completion

First Semester				Credit
ITCC	1314		CCNA 1: Introduction to Networks [^]	3
or				
ITNW	1325		Fundamentals of Networking Technologies ⁺ [^]	
ITSC	1325		Personal Computer Hardware	3
Second Semester				
ITCC	1344		CCNA 2: Switching, Routing and Wireless Essentials ⁺	3
ITSE	1359		Introduction to Scripting Languages [^]	3
CPMT	1345		Computer Systems Maintenance	3
Third Semester				
ITCC	2420		CCNA 3: Enterprise Networking, Security and Automation	4
ITSY	1342		Information Technology Security [^]	3
ITSY	2401		Firewalls and Network Security ⁺	4
Total Hours				26

⁺ Courses are stackable towards AAS Network Systems Administrator (CSN17)

[^] Courses stackable towards AAS Network Cloud Support and Cybersecurity (NCS20)

Network Cloud Support and Cybersecurity (NCS20) 110902

Associate of Applied Science Degree

First Year

First Semester				Credit
DEGR	COSC	1301	Introduction to Computing	3
or				
DEGR	ITSC	1301	Introduction to Computers	
DEGR	ITSC	1316	Linux Installation and Configuration	3
DEGR	ITCC	1314	CCNA 1: Introduction to Networks	3
or				
DEGR	ITNW	1325	Fundamentals of Networking Technologies	
DEGR	ITNW	1316	Network Administration	3
CORE	MATH	1342	Elementary Statistical Methods	3

Second Semester

DEGR	ITSY	1342	Information Technology Security	3
DEGR	ITSE	1359	Introduction to Scripting Languages	3
DEGR	ITNW	1309	Fundamentals of Cloud Computing	3
CORE	ENGL	1301	Composition I	

Second Year

First Semester				Credit
DEGR	ITNW	1308	Implementing and Supporting Client Operating Systems	3
DEGR	ITNW	1336	Cloud Deployment and Infrastructure	3
DEGR	ITSE	1329	Programming Logic and Design	3
or				
DEGR	COSC	1315	Introduction to Computer Programming	
DEGR	ITSC	1415	Project Management	4
CORE			Creative Arts	3

Second Semester

CORE	SPCH	1321	Business and Professional Communication	3
CORE	ELEC		Social and Behavioral Sciences Selection	3
DEGR	ITSW	1307	Introduction to Database	3
DEGR	ITNW	1454	Implementing and Supporting Servers	4
DEGR	ITNW	2427	Advanced Cloud Concepts	4
or				
DEGR	ITNW	2488	Internship – Computer Systems Networking/Telecommunications	
Total Hours				60

Network Server & Cloud Administrator (CSC17) 110902

Certificate of Completion

First Semester			Credit
ITCC	1314	CCNA 1: Introduction to Networks ⁺ ^*	3
or			
ITNW	1325	Fundamentals of Networking Technologies ⁺ ^*	
ITSC	1316	Linux Installation and Configuration [^] *	3
ITSE	1359	Introduction to Scripting Languages [^] *	3
ITNW	1316	Network Administration ⁺ ^*	3
Second Semester			
ITSY	1342	Information Technology Security ⁺ ^*	3
ITSW	1307	Introduction to Database ⁺	3
ITNW	1309	Fundamentals of Cloud Computing	3
ITNW	1454	Implementing and Supporting Servers [^] *	4
Total Hours			25

Certificate is stackable towards AAS Network Cloud Support and Cybersecurity (NCS20)

⁺ Courses stackable towards AAS Information Technology (CSI17)

[^] Courses stackable towards AAS Network Systems Administrator (CSN17)

^{*} Courses stackable towards AAS Cyberdefense - Information Assurance (CDIA)

Network Administrator (CSN15) 110201
Occupational Skills Achievement Certificate

First Semester			Credit
COSC	1301	Introduction to Computing	3
or			
ITSC	1301	Introduction to Computers	
ITSC	1325	Personal Computer Hardware	3
ITCC	1314	CCNA 1 - Introduction to Networks	3
or			
ITNW	1325	Fundamentals of Networking Technologies	
ITCC	1344	CCNA2: Switching, Routing, and Wireless Essentials	3
Total Hours			12

Courses stackable towards AAS Cyberdefense-Information Assurance (CDIA) and AAS Network Systems Administrator (CSN17)

Drafting and Design

The Computer-Aided Drafting and 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 (DFT15) 151301

Associate of Applied Science Degree

First Year

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

Second Semester

DEGR	DFTG	2317	Descriptive Geometry	3
DEGR	DFTG	2402	Machine Drafting	4
DEGR	DFTG	2440	Solid Modeling/Design	4
CORE	ENGL	1301	Composition I	3

Second Year

First Semester				Credit
DEGR	DFTG	1417	Architectural Drafting-Residential	4
DEGR	DFTG	1358	Electrical/Electronics Drafting	3
DEGR	DFTG	1491	Special Topics in Drafting and Design Technology	4
CORE	ELEC		Humanities/Fine Arts Selection	3

Second Semester

DEGR	DFTG	2323	Pipe Drafting	3
DEGR	DFTG	2421	Topographical Drafting	4
DEGR	DFTG	2438	Final Project -Advanced Drafting	4
CORE	ELEC		Social/Behavioral Science Selection	3
CORE	SPCH		SPCH 1315 or 1321	3

Total Hours **60**

Computer-Aided Drafting and Design (DFT15) 151301

Certificate of Completion

				Credit
DFTG	1405	Technical Drafting		4
DFTG	2412	Technical Illustration and Presentation		4
DFTG	1409	Basic Computer-Aided Drafting		4
MATH	1332	Contemporary Mathematics (Quantitative Reasoning)		3
DFTG	2317	Descriptive Geometry		3
DFTG	2402	Machine Drafting*		4
DFTG	2440	Solid Modeling/Design		4
Total Hours				26

* The following courses may be substituted: DFTG 1417 or DFTG 2421

Certificate is stackable towards AAS Computer-Aided Drafting and Design (DFT15)

Computer-Aided Drafting and Design (DFT15) 151301

Occupational Skills Achievement Certificate

				Credit
DFTG	1405	Technical Drafting		4
DFTG	1409	Basic Computer-Aided Drafting		4
DFTG	2440	Solid Modeling		4
Total Hours				12

Certificate is stackable towards AAS Computer-Aided Drafting and Design (DFT15)

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
CORE	ENGL	1301	Composition I	3
CORE	HIST	1301	United States History I	3
CORE	ELEC		Life/Physical Science Selection	4
DEGR	ELEC		Electives*	6

Second Semester

CORE	SPCH		SPCH 1315, 1318 or 1321	3
CORE	HIST	1302	United States History II	3
CORE	MATH		MATH 1314, 1332, 1342, 1414, 2412+ or 2413+	3-4
CORE	ELEC		Language, Philosophy, Culture	3-4

Second Year

First Semester				
CORE	GOVT	2305	Federal Government	3
CORE	ELEC		Life/Physical Science Selection	4
CORE	ELEC		Social/Behavioral Selection	3
DEGR	ELEC		Electives*	6

Second Semester

CORE	GOVT	2306	Texas Government	3
CORE	ELEC		Creative Arts	3
CORE	ELEC		Component Area Option	4
DEGR	ELEC		Electives*	6

Total Hours				60
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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 18 semester credit hours from courses that fulfill the student's educational goals.

+ Prerequisite required.

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 (HART5) 470201 Associate of Applied Science Degree

First Year

First Semester				Credit
DEGR	HART	1407	Refrigeration Principles	4
DEGR	HART	1401	Basic Electricity for HVAC	4
DEGR	HART	1445	Gas and Electric Heating	4
CORE	MATH	1332	Contemporary Mathematics	3

Second Semester

DEGR	HART	1403	Air Conditioning Control Principles	4
DEGR	HART	1341	Residential Air Conditioning	3
CORE	ENGL	1301	Composition I	3
CORE	GOVT	2305	Federal Government	3

Second Year

First Semester				Credit
DEGR	HART	2449	Heat Pumps	4
DEGR	HART	2438	Air Conditioning Installation and Startup	4
DEGR	HART	2341	Commercial Air Conditioning	3
DEGR	HART	2342	Commercial Refrigeration	3
CORE	ELEC		Humanities/Fine Arts Selection	3

Second Semester

DEGR	HART	2436	Air Conditioning Troubleshooting	4
DEGR	HART	2431	Advanced Electricity for HVAC	4
CORE	SPCH		SPCH 1315 or 1321	3
DEGR	HART	2445	Residential Air Conditioning System Design	
or				
DEGR	HART	2488	Internship - Heating, A/C, Ventilation and Refrigeration Maintenance Technology/Technician	4

Total Hours **60**

Heating, Air Conditioning and Refrigeration (HART5) 470201 Certificate of Completion

			Credit
HART	1407	Refrigeration Principles	4
HART	1401	Basic Electricity for HVAC	4
HART	1445	Gas and Electric Heating	4
HART	1403	Air Conditioning Control Principles	4
HART	1341	Residential Air Conditioning	3
HART	2438	Air Conditioning Installation and Startup	4
HART	2449	Heat Pumps	4
HART	2341	Commercial Air Conditioning	3
HART	2342	Commercial Refrigeration	3
HART	2436	Air Conditioning Troubleshooting	4
HART	2431	Advanced Electricity for HVAC	4
HART	2445	Residential Air Conditioning System Design	
or			
HART	2488	Internship - Heating, A/C, Ventilation and Refrigeration Maintenance Technology/Technician	4
Total Hours			45

Certificate is stackable towards AAS Heating, Air Conditioning and Refrigeration Mechanic and Repairer (HART5)

Air Conditioning and Refrigeration Technicians Assistant (ACR17) 470201
Certificate of Completion

			Credit
HART	1407	Refrigeration Principles	4
HART	1401	Basic Electricity for HVAC	4
HART	1445	Gas and Electric Heating	4
HART	1341	Residential Air Conditioning	3
HART	1403	Air Conditioning Control Principles	4
Total Hours			19

Certificate is stackable towards AAS Heating, Air Conditioning and Refrigeration Mechanic and Repairer (HART5)

Residential Heating, Air Conditioning and Refrigeration (HAC17) 470201
Certificate of Completion

(This certificate requires completion of Technicians Assistant Certificate)

			Credit
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	4
Total Hours			20

Certificate is stackable towards AAS Heating, Air Conditioning and Refrigeration Mechanic and Repairer (HART5)

Homeland Security

This program is designed for individuals interested in beginning a career in the field of homeland security and emergency management and additionally for those currently in an emergency response profession seeking to update or broaden their skills. The Associate of Applied Science degree and certificates will prepare students for real-world decision making and problem-solving skills which will allow them to be valuable assets to any organization they serve. Courses focus on educating students on how to implement and coordinate resources necessary for preparedness, mitigation, response and recovery from disasters and threats to our nation's security.

Homeland Security and Emergency Management (HS15) 430301 Associate of Applied Science Degree

First Year

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

Second Semester

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

Second Year

First Semester				Credit
DEGR	KINE		Physical Activity Course	1
CORE	ELEC		Humanities/Fine Arts Selection	3
CORE	MATH		MATH 1314, 1332, 1342 or 1414	3
DEGR	HMSY	1343	Weapons of Mass Destruction	3
CORE	ELEC		Social/Behavioral Science Selection	3
DEGR	EMAP	2355	Disaster Recovery	3

Second Semester

DEGR	EMAP	2300	Developing Volunteer Resources and Decision Making	3
DEGR	EMAP	2301	Leadership and Effective Communication	3
DEGR	EMAP	2302	Managing Mass Casualty and Fatality Incidents	3
DEGR	HMSY	2337	Managing a Unified Incident Command	3
DEGR	EMAP	1440	Disaster Exercise Design and Evaluation	4
Total Hours				60

Homeland Security and Emergency Management (HS15) 430301 Certificate of Completion

First Semester				Credit
HMSY	1337		Introduction to Homeland Security	3
EMAP	1400		Principles of Basic Emergency Management	4
HMSY	1341		Critical Infrastructure Protection	3
HMSY	1338		Homeland Security Emergency Communications Management	3
HMSY	1342		Understanding and Combating Terrorism	3
Second Semester				Credit
EMAP	2355		Disaster Recovery	3
EMAP	2300		Developing Volunteer Resources and Decision Making	
or				
HMSY	1343		Weapons of Mass Destruction	3
EMAP	2301		Leadership and Effective Communication	
or				
HMSY	1371		Counter Terrorism	3
HMSY	2337		Managing a Unified Incident Command	3
EMAP	1440		Disaster Exercise Design and Evaluation	4
Total Hours				32

Certificate is stackable towards AAS Homeland Security and Emergency Management (HS15)

Homeland Security (HSHS) 430301

Certificate of Completion

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

Certificate is stackable towards AAS Homeland Security and Emergency Management (HS15)

Emergency Management (EMHS) 430301

Certificate of Completion

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

Certificate is stackable towards AAS Homeland Security and Emergency Management (HS15)

Hospitality Management

The Central Texas College Hospitality Management program offers an Associate in Applied Science degree in five areas of specialization: Restaurant and Culinary Management, Culinary Arts, Baking & Pastry Specialization, Hotel Management and Food & Beverage Management Specialization, with two being offered entirely online and their supporting certificates of completion. The hospitality industry is a fascinating, fun and stimulating industry which needs professionals seeking a challenging career. These programs help prepare students for positions in hospitality fields including restaurant and food service or hotel and lodging operations. In addition, hospitality management is a global career which could include challenging and rewarding supervisory positions for cruise lines, amusement parks, in hotels of all kinds and much more!

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

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

First Year

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

Second Semester

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

Second Year

First Semester				Credit
DEGR	HAMG	2332	Hospitality Financial Management	3
CORE	ENGL	1301	Composition I	3
DEGR	PSTR	1301	Fundamentals of Baking	3
DEGR	ELEC		HAMG/IFWA/RSTO/TRVM	3

Second Semester

DEGR	RSTO	1325	Purchasing for Hospitality Operations	3
CORE	MATH		MATH 1332 or MATH 1342	3
DEGR	HAMG	1340	Hospitality Legal Issues	3
DEGR	RSTO	1313	Hospitality Supervision	3
DEGR	ELEC		Academic Elective	3
DEGR	HAMG	2388	Internship - Hospitality Administration and Management	
or				
DEGR	BUSG	1371	Entrepreneurship and Business Plan Development	3
Total Hours				60

Restaurant Management (RCM18) 520901 Certificate of Completion

First Year

First Semester				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	1321		Menu Management	3

Second Semester			
HAMG	2307	Hospitality Marketing and Sales	3
HAMG	1340	Hospitality Legal Issues	3
HAMG	1321	Introduction to Hospitality Industry	3
IFWA	1318	Nutrition for the Food Service Professional	3
or			
CHEF	1302	Principles of Healthy Cuisine	
RSTO	1325	Purchasing for Hospitality Operations	3
Second Year			
First Semester			
ELEC		CHEF/PSTR	3
HAMG	2332	Hospitality Financial Management	3
RSTO	1313	Hospitality Supervision	3
HAMG	2388	Internship – Hospitality Administration and Management	
or			
BUSG	1371	Entrepreneurship and Business Plan Development	3
Total Hours			42

Certificate is stackable towards AAS Restaurant and Culinary Management (RCM15)

Restaurant Operations (HRO13) 520905

Certificate of Completion

			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	1321	Menu Management ⁺	3
HAMG	2307	Hospitality Marketing and Sales ⁺	3
HAMG	1340	Hospitality Legal Issues ⁺	3
HAMG	1321	Introduction to the Hospitality Industry ⁺	3
IFWA	1318	Nutrition for the Food Service Professional	3
or			
CHEF	1302	Principles of Healthy Cuisine	
Total Hours			27

⁺Courses is stackable towards AAS Restaurant and Culinary Management (RCM15)

Hotel Management Specialization (HMH15) 520901

Associate of Applied Science Degree

First Year				
First Semester				Credit
DEGR	CHEF	1305	Sanitation and Safety	3
DEGR	HAMG	1321	Introduction to the Hospitality Industry	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	ELEC		Academic Elective	3
Second Semester				
CORE	GOVT	2305	Federal Government	3
CORE	SPCH		SPCH 1315 or SPCH 1321	3
DEGR	HAMG	2332	Hospitality Financial Management	3
DEGR	RSTO	1313	Hospitality Supervision	3
DEGR	HAMG	1313	Front Office Management	3
DEGR	HAMG	2301	Principles of Food and Beverage Operations	3
Second Year				
First Semester				
DEGR	RSTO	1325	Purchasing for Hospitality Operations	3
DEGR	RSTO	1204	Dining Room Service	2
DEGR	HAMG	1342	Guest Room Management	3
CORE	MATH		MATH 1332 or MATH 1342	3
DEGR	HAMG	1340	Hospitality Legal Issues	3
DEGR	KINE		Physical Activity Course	1
or				
DEGR	EDUC	1100	Learning Frameworks	

Second Semester

DEGR	HAMG	2337	Hospitality Facilities Management	3
CORE	ENGL	1301	Composition I	3
DEGR	HAMG	2307	Hospitality Marketing and Sales	3
DEGR	TRVM	2301	Introduction to Convention Meeting Management	3
DEGR	HAMG	2388	Internship - Hospitality Administration and Management	
or				
DEGR	BUSG	1371	Entrepreneurship and Business Plan Development	3
Total Hours				60

Hospitality Property Management (HMP19) 520904
Certificate of Completion

First Semester				Credit
HAMG	1313	Front Office Management		3
CHEF	1305	Sanitation and Safety		3
HAMG	2301	Principles of Food and Beverage Operations		3
RSTO	1204	Dining Room Services		2
RSTO	1313	Hospitality Supervision		3
Second Semester				
HAMG	1340	Hospitality Legal Issues		3
HAMG	1321	Introduction to the Hospitality Industry		3
HAMG	2337	Hospitality Facilities Management		3
RSTO	1325	Purchasing for Hospitality Operations		3
Third Semester				
HAMG	2332	Hospitality Financial Management		3
HAMG	2307	Hospitality Marketing and Sales		3
HAMG	1342	Guest Room Management		3
TRVM	2301	Introduction to Convention Meeting and Management		3
HAMG	2388	Internship - Hospitality Administration and Management		
or				
BUSG	1371	Entrepreneurship and Business Plan Development		3
Total Hours				41

Certificate is stackable towards AAS Hotel Management Specialization (HMH15)

Rooms Division (HRD13) 520904
Certificate of Completion

First Semester				Credit
HAMG	1313	Front Office Management		3
HAMG	1321	Introduction to the Hospitality Industry		3
HAMG	1342	Guest Room Management		3
HAMG	1340	Hospitality Legal Issues		3
RSTO	1313	Hospitality Supervision		3
Second Semester				
RSTO	1325	Purchasing for Hospitality Operations		3
CHEF	1305	Sanitation and Safety		3
HAMG	2301	Principles of Food and Beverage Operations		3
RSTO	1204	Dining Room Services		2
HAMG	2307	Hospitality Marketing and Sales		3
Total Hours				29

Certificate is stackable towards AAS Hotel Management Specialization (HMH15)

Service Management (HMH18) 520901
Certificate of Completion

				Credit
CHEF	1305	Sanitation and Safety		3
RSTO	1204	Dining Room Service		2
HAMG	1321	Introduction to Hospitality Industry		3
HAMG	2301	Principles of Food and Beverage Operations		3
RSTO	1313	Hospitality Supervision		3
HAMG	2307	Hospitality Marketing and Sales		3
RSTO	1325	Purchasing for Hospitality Operations		3
Total Hours				20

Certificate is stackable towards AAS Hotel Management Specialization (HMH15)

Culinary Arts (HMC15) 520905

Associate of Applied Science Degree

First Year

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

Second Semester

DEGR	CHEF	1310	Garde Manger	3
CORE	GOVT	2305	Federal Government	3
CORE	SPCH		SPCH 1315 or SPCH 1321	3
DEGR	CHEF	2301	Intermediate Food Preparation	3
DEGR	CHEF	1302	Principles of Healthy Cuisine	
or				
DEGR	IFWA	1318	Nutrition for the Food Service Professional	3
DEGR	CHEF	2302	Saucier	3

Second Year

First Semester				Credit
CORE	ENGL	1301	Composition I	3
DEGR	PSTR	1301	Fundamentals of Baking	3
DEGR	CHEF	1341	American Regional Cuisine	3
DEGR	CHEF	1345	International Cuisine	3
DEGR	HAMG	2301	Principles of Food and Beverage Operations	3

Second Semester

DEGR	RSTO	1325	Purchasing for Hospitality Operations	3
CORE	MATH		MATH 1332 or MATH 1342	3
DEGR	ELEC		Academic Elective	3
DEGR	HAMG	2388	Internship - Hospitality Administration and Management	
or				
DEGR	BUSG	1371	Entrepreneurship and Business Plan Development	3
Total Hours				60

Culinary Skills (HMC18) 520905

Certificate of Completion

First Semester				Credit
CHEF	1305		Sanitation and Safety	3
PSTR	1301		Fundamentals of Baking	3
HAMG	1321		Introduction to the Hospitality Industry	3
CHEF	1301		Basic Food Preparation	3
HAMG	2301		Principles of Food and Beverage Operations	3

Second Semester

CHEF	1310		Garde Manger	3
CHEF	2302		Saucier	3
RSTO	1321		Menu Management	3
CHEF	1341		American Regional Cuisine	3

Third Semester

CHEF	1345		International Cuisine	3
CHEF	2301		Intermediate Food Preparation	3
HAMG	2388		Internship-Hospitality Administration and Management	3
or				
BUSG	1371		Entrepreneurship and Business Plan Development	
RSTO	1325		Purchasing for Hospitality Operations	3
CHEF	1302		Principles of Healthy Cuisine	
or				
IFWA	1318		Nutrition for the Food Service Professional	3
Total Hours				42

Certificate is stackable towards AAS Culinary Arts (HMC15)

Culinary Arts (HMC15) 520905

Certificate of Completion

First Semester			Credit
CHEF	1305	Sanitation and Safety	3
PSTR	1301	Fundamentals of Baking	3
HAMG	1321	Introduction to the Hospitality Industry	3
CHEF	1301	Basic Food Preparation	3
RSTO	1321	Menu Management	3
Second Semester			
CHEF	1310	Garde Manger	3
HAMG	2301	Principles of Food and Beverage Management	3
IFWA	1318	Nutrition for the Food Services Professional	3
or			
CHEF	1302	Principles of Healthy Cuisine	
RSTO	1325	Purchasing for Hospitality Operations	3
CHEF	1341	American Regional Cuisine	3
Total Hours			30

Certificate is stackable towards AAS Culinary Arts (HMC15)

Restaurant Skills (HMR13) 520905

Certificate of Completion

			Credit
CHEF	1305	Sanitation and Safety	3
IFWA	1318	Nutrition for the Food Service Professional	3
or			
CHEF	1302	Principles of Healthy Cuisine	
CHEF	1301	Basic Food Preparation	3
HAMG	1321	Introduction to Hospitality Industry	3
HAMG	2301	Principles of Food and Beverage Operations	3
RSTO	1321	Menu Management	3
PSTR	1301	Fundamentals of Baking	3
Total Hours			21

Certificate is stackable towards AAS Culinary Arts (HMC15)

Baking and Pastry Specialization (HMBP) 520901

Associate of Applied Science Degree

First Year				Credit
First Semester				
DEGR	CHEF	1305	Sanitation and Safety	3
DEGR	HAMG	1321	Introduction to the Hospitality Industry	3
DEGR	PSTR	1301	Fundamentals of Baking	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	CHEF	1301	Basic Food Preparation	3
Second Semester				
DEGR	PSTR	1302	Cake Baking and Production	3
CORE	GOVT	2305	Federal Government	3
CORE	SPCH		SPCH 1315 or SPCH 1321	3
DEGR	PSTR	1306	Cake Decorating I	3
DEGR	PSTR	1305	Bread and Rolls	3
Second Year				
First Semester				
DEGR	PSTR	2331	Advanced Pastry Shop	3
DEGR	PSTR	2307	Cake Decorating II	3
CORE	ENGL	1301	Composition I	3
DEGR	RSTO	1325	Purchasing for Hospitality Operations	3
DEGR	RSTO	1321	Menu Management	3

Second Semester				
DEGR	PSTR	2350	Wedding Cakes	3
CORE	MATH		MATH 1332 or MATH 1342	3
DEGR	RSTO	1313	Hospitality Supervision	3
DEGR	ELEC		Academic Elective	3
DEGR	HAMG	2388	Internship - Hospitality Administration and Management	3
or				
DEGR	BUSG	1371	Entrepreneurship and Business Plan Development	
Total Hours				60

Baking and Cake Decorating (HMB19) 520901

Certificate of Completion

First Semester				Credit
CHEF	1305	Sanitation and Safety		3
HAMG	1321	Introduction to the Hospitality Industry		3
PSTR	1306	Cake Decorating I		3
PSTR	1301	Fundamentals of Baking		3
Second Semester				
PSTR	1302	Cake Baking and Production		3
RSTO	1321	Menu Management		3
PSTR	1305	Breads and Rolls		3
PSTR	2307	Cake Decorating II		3
CHEF	1301	Basic Food Preparation		3
Third Semester				
PSTR	2350	Wedding Cakes		3
PSTR	2331	Advanced Pastry Shop		3
RSTO	1325	Purchasing for the Hospitality Operations		3
RSTO	1313	Hospitality Supervision		3
HAMG	2388	Internship-Hospitality Administration and Management		
or				
BUSG	1371	Entrepreneurship and Business Plan Development		3
Total Hours				42

Certificate is stackable towards AAS Baking and Pastry Specialization (HMBP)

Baking (HMBK9) 520905

Certificate of Completion

First Semester				Credit
CHEF	1305	Sanitation and Safety		3
HAMG	1321	Introduction to Hospitality Industry		3
RSTO	1321	Menu Management		3
PSTR	1301	Fundamentals of Baking		3
CHEF	1301	Basic Food Preparation		3
Second Semester				
PSTR	1302	Cake Baking and Production		3
PSTR	1306	Cake Decorating		3
PSTR	1305	Bread and Rolls		3
RSTO	1325	Purchasing for the Hospitality Operations		3
Total Hours				27

Certificate is stackable towards AAS Baking and Pastry Specialization (HMBP)

Baking Skills (HMBP) 520901

Certificate of Completion

First Semester				Credit
CHEF	1305	Sanitation and Safety		3
HAMG	1321	Introduction to the Hospitality Industry		3
CHEF	1301	Basic Food Preparation		3
RSTO	1321	Menu Management		3
PSTR	1301	Fundamentals of Baking		3
PSTR	1302	Cake Baking and Production		3
Total Hours				18

Certificate is stackable towards AAS Baking and Pastry Specialization (HMBP)

Food and Beverage Management Specialization (HMF15) 520901

Associate of Applied Science Degree

First Year

First Semester				Credit
DEGR	CHEF	1305	Sanitation and Safety	3
DEGR	HAMG	1321	Introduction to the Hospitality Industry	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	HAMG	2307	Hospitality Marketing and Sales	3
DEGR	IFWA	1318	Nutrition for the Food Service Professional	3

or

DEGR	CHEF	1302	Principles of Healthy Cuisine	
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Second Semester

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

or

DEGR	EDUC	1100	Learning Frameworks	
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Second Year

First Semester

DEGR	HAMG	2332	Hospitality Financial Management	3
DEGR	TRVM	2301	Introduction to Convention and Meeting Management	3
CORE	ENGL	1301	Composition I	3
DEGR	RSTO	1301	Beverage Management	3
DEGR	HAMG	2337	Hospitality Facilities Management	3

Second Semester

DEGR	RSTO	1325	Purchasing for Hospitality Operations	3
CORE	MATH		MATH 1332 or MATH 1342	3
DEGR	HAMG	1340	Hospitality Legal Issues	3
DEGR	RSTO	1313	Hospitality Supervision	3
DEGR	ELEC		Component Area Option	3
DEGR	HAMG	2388	Internship - Hospitality Administration and Management	3

or

DEGR	BUSG	1371	Entrepreneurship and Business Plan Development	
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Total Hours				60
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Food Service Operations (HMI15) 520905

Certificate of Completion

First Semester				Credit
CHEF	1305		Sanitation and Safety	3
IFWA	1318		Nutrition for the Food Service Professional	3
or				
CHEF	1302		Principles of Healthy Cuisine	
HAMG	1321		Introduction to the Hospitality Industry	3
RSTO	1301		Beverage Management	3

Second Semester

RSTO	1325		Purchasing for Hospitality Operations	3
RSTO	1204		Dining Room Service	2
HAMG	2307		Hospitality Marketing and Sales	3
HAMG	2337		Hospitality Facilities Management	3
HAMG	1340		Hospitality Legal Issues	3

Third Semester

HAMG	2332		Hospitality Financial Management	3
TRVM	2301		Introduction to Convention Meeting Management	3
HAMG	2301		Principles of Food and Beverage Operations	3
RSTO	1313		Hospitality Supervision	3
HAMG	2388		Internship - Hospitality Administration and Management	3

or

BUSG	1371		Entrepreneurship and Business Plan Development	
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Total Hours				41
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Certificate is stackable towards AAS Food and Beverage Management Specialization (HMF15)

Food and Beverage Management (HMF15) 520905
Certificate of Completion

First Semester			Credit
CHEF	1305	Sanitation and Safety	3
HAMG	2301	Principles of Food and Beverage Operations	3
RSTO	1313	Hospitality Supervision	3
HAMG	1321	Introduction to the Hospitality Industry	3
HAMG	2332	Hospitality Financial Management	3
Second Semester			
HAMG	2337	Hospitality Facilities Management	3
HAMG	2307	Hospitality Marketing and Sales	3
TRVM	2301	Introduction to Convention and Meeting Management	3
RSTO	1325	Purchasing for Hospitality Operations	3
RSTO	1204	Dining Room Services	2
Total Hours			29

Certificate is stackable towards AAS Food and Beverage Management Specialization (HMF15)

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. Interdisciplinary Studies gives students competence in a wide range of discipline methods and approaches to the world of knowledge. This competence provides a broad and strong foundation for proceeding along one's chosen educational pathway. Completion of the Core requirements will maximize transfer credit for those students who want to pursue a Baccalaureate degree. Students planning to attend a senior college should coordinate with that senior college to ensure that the courses taken at Central Texas College will fulfill the degree requirements there.

Interdisciplinary Studies (IDS4) 240101 Associate of Arts Degree

First Year

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

Second Semester

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

Second Year

First Semester				
CORE	GOVT	2305	Federal Government	3
CORE	MATH		MATH 1314, 1332 or 1342	3
CORE			Life and Physical Science Selection	4

Second Semester

DEGR			Electives*	18
Total Hours				60

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

Mathematics

The Associate of Science degree in Mathematics is designed for the student pursuing a Baccalaureate degree. The Central Texas College curriculum is designed to prepare students with a solid foundation in mathematics necessary to be successful at a university, and maximize the transfer credit of lower level course work to a four-year public institution within the State of Texas.

Mathematics (MAT4) 270101

Associate of Science Degree

First Year

Fall Semester

				Credit
CORE	HIST	1301	United States History I	3
CORE	GOVT	2306	Texas Government	3
CORE			Language/Philosophy/Culture	3
CORE	MATH		MATH 1342 or 1414	3-4

Spring Semester

CORE	ENGL	1301	Composition I	3
CORE	HIST	1302	United States History II	3
CORE			Life and Physical Science Selection (PHYS 2425 recommended)	4
DEGR	MATH	2412	Pre-Calculus Math	4

Summer Semester

DEGR	MATH	2413	Calculus I	4
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Second Year

First Semester

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

Second Semester

DEGR	MATH	2415	Calculus III	4
DEGR	MATH		MATH 2318 or 2320	3
CORE			Component Area Option	3
CORE			Life and Physical Science Selection	4

Total Hours				60-61
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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
DEGR	PSYT	1429	Interviewing and Communication Skills	4
DEGR	DAAC	1319	Substance-Related and Addictive Disorders	3
DEGR	DAAC	1304	Pharmacology of Addiction	3
DEGR	PSYC	1300	Learning Frameworks	3
DEGR	PSYT	1309	Health Psychology	3

Second Semester

DEGR	CMSW	1309	Problems of Children and Adolescents	3
DEGR	CMSW	1166	Practicum - Clinical/Medical Social Work	1
CORE	GOVT	2305	Federal Government	3
CORE	ENGL	1301	Composition I	3
CORE	PSYC	2301	General Psychology	3
DEGR	PSYT	2321	Crisis Intervention	3

Second Year

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

Second Semester

CORE	MATH	1314	College Algebra	3
DEGR	PSYT	2345	Principles of Behavior Management and Modification	3
DEGR	SCWK	2301	Assessment and Case Management	3
DEGR	CMSW	1167	Practicum - Clinical/Medical Social Work	1
CORE	ELEC		Humanities/Fine Arts Selection	3
Total Hours				60

Basic Mental Health Professional (MHBP) 511501

Certificate of Completion

First Semester				Credit
PSYT	1429	Interviewing and Communications Skills		4
DAAC	1319	Substance-Related and Addictive Disorders		3
DAAC	1304	Pharmacology of Addiction		3
PSYC	1313	Psychology of Personal Adjustment		3
PSYT	1309	Health Psychology		3

Second Semester

CMSW	1309	Problems of Children and Adolescents		3
CMSW	1166	Practicum - Clinical/Medical Social Work		1
Total Hours				20

Certificate is stackable towards AAS At Risk Youth Specialization (MHAF4)

At Risk Youth Advanced Certificate (MHA14) 511503

Certificate of Completion

First Semester				Credit
PSYT	1429	Interviewing and Communication Skills ⁺		4
DAAC	1319	Substance-Related and Addictive Disorders ⁺		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 - Clinical/Medical Social Work ⁺		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 - Clinical/Medical Social Work ⁺		1
Total Hours				45

⁺ Courses stackable towards AAS At Risk Youth Specialization (MHAF4)

Chemical Dependency Specialization (MHCF5) 511503

Associate of Applied Science Degree

First Year					
First Semester					Credit
DEGR	PSYT	1429	Interviewing and Communication Skills		4
DEGR	DAAC	1319	Substance-Related and Addictive Disorders		3
DEGR	DAAC	1304	Pharmacology of Addiction		3
CORE	GOVT	2305	Federal Government		3
DEGR	PSYT	1309	Health Psychology		3
Second Semester					
DEGR	CMSW	1309	Problems of Children and Adolescents		3
DEGR	CMSW	1166	Practicum - Clinical/Medical Social Work		1
DEGR	DAAC	1309	Assessment of Substance-Related and Addictive Disorders		3
CORE	ENGL	1301	Composition I		3
CORE	PSYC	2301	General Psychology		3
DEGR	PSYT	2321	Crisis Intervention		3
Second Year					
First Semester					
DEGR	DAAC	2307	Addicted Family Intervention		3
DEGR	DAAC	1311	Counseling Theories		3
DEGR	PSYT	2331	Abnormal Psychology		3
DEGR	DAAC	2354	Dynamics of Group Counseling		3
DEGR	KINE		Physical Activity		1
Second Semester					
CORE	MATH	1314	College Algebra		3
DEGR	PSYT	2345	Principles of Behavior Management and Modification		3
DEGR	DAAC	2341	Counseling Alcohol and Other Drug Addictions		3
DEGR	DAAC	2367	Practicum - Substance Abuse/Addiction Counseling		3
CORE	ELEC		Humanities/Fine Arts Selection		3
Total Hours					60

Chemical Dependency Counseling (MHC14) 511503

Certificate of Completion

First Semester			Credit
PSYT	1429	Interviewing and Communication Skills ⁺	4
DAAC	1319	Substance-Related and Addictive Disorders ⁺	3
DAAC	1304	Pharmacology of Addiction ⁺	3
PSYC	1313	Psychology of Personal Adjustment	3
PSYT	1309	Health Psychology ⁺	3
Second Semester			
CMSW	1309	Problems of Children and Adolescents ⁺	3
CMSW	1166	Practicum - Clinical/Medical Social Work ⁺	1
DAAC	1309	Assessment of Substance-Related and Addictive Disorders ⁺	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 - Substance Abuse/Addiction Counseling ⁺	3
Total Hours			47

⁺ Courses stackable towards AAS Chemical Dependency Specialization (MHCF5)

Criminal Justice Addictions (MCJ13) 511501

Certificate of Completion

First Semester			Credit
PSYT	1429	Interviewing and Communications Skills ⁺	4
DAAC	1319	Substance-Related and Addictive Disorders ⁺	3
DAAC	1304	Pharmacology of Addiction ⁺	3
PSYC	1313	Psychology of Personal Adjustment	3
PSYT	1309	Health Psychology ⁺	3
Second Semester			
CMSW	1309	Problems of Children and Adolescents ⁺	3
CMSW	1166	Practicum - Clinical/Medical Social Work ⁺	1
DAAC	1309	Assessment of Substance-Related and Addictive Disorders ⁺	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 and Other Drug Addictions ⁺	3
DAAC	2367	Practicum - Substance Abuse/Addiction Counseling ⁺	3
Total Hours			47

⁺ Courses stackable towards AAS Chemical Dependency Specialization (MHCF5)

Substance Abuse Prevention Specialist (MHP14) 511501

Certificate of Completion

First Semester				Credit
PSYT	1429	Interviewing and Communications Skills ⁺ *		4
DAAC	1319	Substance-Related and Addictive Disorders ⁺ *		3
DAAC	1304	Pharmacology of Addiction ⁺ *		3
PSYC	1313	Psychology of Personal Adjustment		3
PSYT	1309	Health Psychology ⁺ *		3
Second Semester				
CMSW	1309	Problems of Children and Adolescents ⁺ *		3
CMSW	1166	Practicum - Clinical/Medical Social Work ⁺ *		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 - Substance Abuse/Addiction Counseling ⁺		1
Total Hours				36

⁺ Courses are stackable towards AAS At Risk Youth Specialization (MHAF4)

* Courses are stackable towards AAS Chemical Dependency Specialization (MHC5)

Social Work Specialization (MHSF4) 511503

Associate of Applied Science Degree

First Year				Credit
First Semester				
DEGR	PSYT	1429	Interviewing and Communications Skills	4
DEGR	DAAC	1319	Substance-Related and Addictive Disorders	3
DEGR	DAAC	1304	Pharmacology of Addiction	3
DEGR/FOS	SOCI	1306	Social Problem	3
DEGR	PSYT	1309	Health Psychology	3
Second Semester				
DEGR	CMSW	1309	Problems of Children and Adolescents	3
DEGR	CMSW	1166	Practicum - Clinical/Medical Social Work	1
CORE	GOVT	2305	Federal Government	3
DEGR	KINE		Physical Activity Course	1
or				
DEGR	EDUC	1100	Learning Frameworks	
CORE	ENGL	1301	Composition I	3
CORE	PSYC	2301	General Psychology	3
DEGR	PSYT	2321	Crisis Intervention	3
Second Year				
First Semester				
DEGR	ENGL	1302	Composition II	3
DEGR/FOS	SOCW	2361	Introduction to Social Work	3
DEGR	DAAC	1311	Counseling Theories	3
DEGR	PSYT	2331	Abnormal Psychology	3
DEGR	DAAC	2354	Dynamics of Group Counseling	3
Second Semester				
CORE/FOS	MATH	1342	Elementary Statistical Methods	3
DEGR/FOS	SOCW	2362	Social Welfare: Legislature, Programs and Services	3
DEGR/FOS	SOCW	2389	Academic Cooperative	3
CORE	ELEC		Humanities/Fine Arts Selection	3
Total Hours				60

<http://www.theccb.state.tx.us/institutional-resources-programs/public-universities-health-related-institutions/transfer-resources/field-of-study-curricula/>.

Community Health Worker (MHCH) 511504
Certificate of Completion

			Credit
CHLT	1301	Introduction to Community Health	3
CHLT	1302	Wellness and Health Promotion	3
CHLT	1340	Community Health Advocacy	3
CHLT	1341	Environmental Health	3
CHLT	1342	Community Health Field Methods	3
or			
CHLT	1391	Special Topics in Community Health	
CHLT	2367	Practicum - Community Health Services	3
Total Hours			18

NCO LEAD

These courses offer a practical “hands-on” experience that deals with a variety of topics and situations.

Supervision Management (SUM11) 999999

Certificate of Completion

Offered at designated locations outside Texas.

Required for Certificate			Credit
MTCS	1174	Academic Research Using the Internet	1
Take 13 Semester Hours from the courses below:			
BMGT	1177	Critical and Creative Thinking	1
MTBC	1170	Conducting Briefings	1
MTBC	1171	Effective Writing I	1
MTBC	1173	Effective Writing II	1
MTCS	1173	Introduction to Computers	1
MTCS	1175	Basic Keyboarding Using the Computer	1
MTES	1170	Professional Ethics	1
MTES	1171	Professional Values	1
MTHO	1170	Historical Principles of War	1
MTHR	1170	Preparing Efficiency Reports	1
MTHR	1171	Performance Oriented Training	1
MTHR	1172	Prevention of Sexual Harassment	1
MTHR	1173	Counseling Practicum Technique	1
MTHR	1174	Time Management	1
MTHR	1175	Career Management	1
MTHR	1176	Stress Management	1
MTIR	1170	Interpersonal Relationships	1
MTLE	1170	Crime Prevention	1
MTLM	1170	Managerial Planning	1
MTLM	1171	Managing Resources	1
MTMM	1170	Increasing Work Site Efficiency	1
MTMM	1171	Problem Solving	1
MTOB	1170	Styles of Leadership	1
MTOB	1171	Improving Work Performance	1
MTPF	1170	Personal Financial Management I	1
MTPF	1171	Personal Financial Management II	1
POFT	1132	Workplace Diversity	1
PSYT	1170	Crisis Intervention I	1
PSYT	1171	Crisis Intervention II	1
Total Hours			14

Advanced Supervision Management (ASM13) 999999

Certificate of Completion

Offered at designated locations outside Texas.

			Credit
BMGT	1177	Critical and Creative Thinking	1
MTBC	1170	Conducting Briefings	1
MTBC	1171	Effective Writing I	1
MTBC	1173	Effective Writing II	1
MTCS	1173	Introduction to Computers	1
MTCS	1174	Academic Research Using the Internet	1
MTCS	1175	Basic Keyboarding Using the Computer	1
MTES	1170	Professional Ethics	1
MTES	1171	Professional Values	1
MTHO	1170	Historical Principles of War	1
MTHR	1170	Preparing Efficiency Reports	1
MTHR	1171	Performance Oriented Training	1
MTHR	1172	Prevention of Sexual Harassment	1
MTHR	1173	Counseling Practicum Technique	1
MTHR	1174	Time Management	1
MTHR	1175	Career Management	1
MTHR	1176	Stress Management	1
MTIR	1170	Interpersonal Relationships	1
MTLE	1170	Crime Prevention	1
MTLM	1170	Managerial Planning	1
MTLM	1171	Managing Resources	1
MTMC	1170	Internet	1
MTMC	1171	Spreadsheet Applications	1
MTMC	1172	Word Processing Applications	1
MTMC	1173	Database Applications	1
MTMC	1174	Microsoft Outlook	1
MTMC	1175	Web Page Development I	1
MTMC	1176	Microsoft PowerPoint	1
MTMC	1177	Desktop Publishing	1
MTMC	2171	Microsoft Excel Advanced	1
MTMC	2172	Microsoft Word Advanced	1
MTMC	2175	Web Page Development II	1
MTMC	2176	Microsoft Access Advanced	1
MTMM	1170	Increasing Work Site Efficiency	1
MTMM	1171	Problem Solving	1
MTOB	1170	Styles of Leadership	1
MTOB	1171	Improving Work Performance	1
MTPF	1170	Personal Financial Management I	1
MTPF	1171	Personal Financial Management II	1
POFT	1132	Workplace Diversity	1
PSYT	1170	Crisis Intervention I	1
PSYT	1171	Crisis Intervention II	1
Total Hours			8

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.

Office Technology (OT15) 520401

Associate of Applied Science Degree

(Available online and at select locations)

First Year

First Semester				Credit
DEGR	POFT	1329	Beginning Keyboarding*	3
DEGR	POFI	1301	Computer Applications I*	3
DEGR	POFT	1301	Business English*	3
DEGR	POFT	1325	Business Math Using Technology*	3
DEGR	POFT	1309	Administrative Office Procedures I*	3
CORE	MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3

Second Semester

DEGR	POFT	1319	Records and Information Management I*	3
DEGR	POFI	2301	Word Processing*	3
DEGR	POFT	2312	Business Correspondence and Communication*	3
DEGR	POFI	1349	Spreadsheets*	3
CORE	ENGL	1301	Composition I	3

Second Year

First Semester				Credit
DEGR	POFI	2331	Desktop Publishing*	3
DEGR	POFT	2333	Advanced Keyboarding*	3
DEGR	POFT	1349	Administrative Office Procedures II*	3
DEGR	ELEC		POFI/POFM/POFT Internship Selection*	3

Second Semester

DEGR	BMGT	1325	Office Management	3
DEGR	HRPO	2301	Human Resources Management	3
CORE	SPCH		SPCH 1315 or 1321	3
CORE	ELEC		Humanities/Fine Arts Selection	3
CORE	ELEC		Social/Behavioral Science Selection	3

Total Hours **60**

Office Technology Specialist (OTS15) 520401

Certificate of Completion

(Available online and at select locations)

First Semester				Credit
POFT	1329	Beginning Keyboarding*		3
POFI	1301	Computer Applications I*		3
POFT	1301	Business English*		3
POFT	1319	Records and Information Management I*		3
POFT	1325	Business Math Using Technology*		3
POFT	1309	Administrative Office Procedures I*		3

Second Semester

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

Third Semester

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

Total Hours **45**

Certificate is stackable into AAS Office Technology (OT15)

Office Technology Professional (OTP15) 520401

Certificate of Completion

(Available online and at select locations)

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

Certificate is stackable into AAS Office Technology (OT15)

Office Technology Support (OTSP5) 520401

Certificate of Completion

(Available online and at select locations)

			Credit
POFT	1329	Beginning Keyboarding	3
POFI	1301	Computer Applications I	3
POFT	1301	Business English	3
POFT	1319	Records and Information Management I	3
POFT	1325	Business Math Using Technology	3
POFT	1309	Administrative Office Procedures I	3
Total Hours			18

Certificate is stackable into AAS Office Technology (OT15)

Medical Office Technology (OTM15) 510716

Associate of Applied Science Degree

(Available online and at select locations)

First Year				Credit
First Semester				
DEGR	POFT	1329	Beginning Keyboarding*	3
DEGR	POFI	1301	Computer Applications I*	3
DEGR	POFT	1301	Business English*	3
DEGR	HITT	1305	Medical Terminology I*	3
DEGR	POFM	1317	Medical Administrative Support*	3
CORE	MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3
Second Semester				
DEGR	POFI	2301	Word Processing*	3
DEGR	POFI	1349	Spreadsheets*	3
DEGR	POFM	1302	Medical Software Applications*	3
DEGR	HITT	1301	Health Data Content and Structure*	3
CORE	ENGL	1301	Composition I	3
Second Year				
First Semester				
DEGR	POFT	1325	Business Math Using Technology*	3
DEGR	POFT	2312	Business Correspondence and Communication*	3
DEGR	HITT	1303	Medical Terminology II*	3
DEGR	POFM	1327	Medical Insurance*	3
DEGR	ELEC		POFI/POFM/POFT Internship Selection	3
Second Semester				
CORE	SPCH		SPCH 1315 or 1321	3
CORE	ELEC		Humanities/Fine Arts Selection	3
CORE	ELEC		Social/Behavioral Science Selection	3
DEGR	ELEC		HITT/MDCA/MRMT/POFI/POFM/POFT Selection*	3
Total Hours				60

Medical Office Technology Specialist (OTMO5) 510716

Certificate of Completion

(Available online and at select locations)

First Semester			Credit
POFT	1329	Beginning Keyboarding	3
POFI	1301	Computer Applications I	3
POFT	1301	Business English	3
HITT	1305	Medical Terminology I	3
POFT	1325	Business Math Using Technology	3
POFM	1317	Medical Administrative Support	3
Second Semester			
POFI	2301	Word Processing	3
POFI	1349	Spreadsheets	3
POFM	1302	Medical Software Applications	3
HITT	1301	Health Data Content and Structure	3
Third Semester			
POFT	2312	Business Correspondence and Communication	3
HITT	1303	Medical terminology II	3
POFM	1327	Medical Insurance	3
ELEC		POFI/POFM/POFT Internship Selection	3
Total Hours			42

Certificate is stackable into AAS Medical Office Technology (OTM15)

Medical Office Technology Professional (OTMP) 510716

Certificate of Completion

(Available online and at select locations)

First Year			
First Semester			Credit
POFT	1329	Beginning Keyboarding	3
POFI	1301	Computer Applications I	3
POFT	1301	Business English	3
HITT	1305	Medical Terminology I	3
POFT	1325	Business Math Using Technology	3
POFM	1317	Medical Administrative Support	3
Second Semester			
POFI	2301	Word Processing	3
POFI	1349	Spreadsheets	3
POFM	1302	Medical Software Applications	3
HITT	1301	Health Data Content and Structure	3
Total Hours			30

Certificate is stackable into AAS Medical Office Technology (OTM15)

Medical Office Technology Support (OTMS5) 510716

Certificate of Completion

(Available online and at select locations)

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

Certificate is stackable into AAS Medical Office Technology (OTM15)

Medical Coding and Billing (OTMCB) 510713

Associate of Applied Science

(Available online and at select locations)

First Year

First Semester				Credit
DEGR	HITT	1305	Medical Terminology I	3
DEGR	POFM	1302	Medical Software Applications	3
DEGR	HITT	1301	Health Data Content and Structure	3
DEGR	HITT	1341	Coding and Classification Systems	3
CORE	MATH	1332	Contemporary Mathematics (Quantitative Reasoning)	3

Second Semester

DEGR	MDCA	1309	Anatomy and Physiology for Medical Assistants	3
DEGR	POFM	2310	Intermediate Medical Coding	3
DEGR	HITT	1303	Medical Terminology II	3
DEGR	POFM	1327	Medical Insurance	3
DEGR	HITT	2335	Coding and Reimbursement Methodologies	3
CORE	ENGL	1301	Composition I	3

Second Year

First Semester

DEGR	MDCA	1302	Human Disease/Pathophysiology	3
DEGR	POFI	1301	Computer Applications I	3
DEGR	POFT	1301	Business English	3
DEGR	HITT	1349	Pharmacology	3
DEGR	HITT	2361	Clinical - Health Information/Medical Records Technology/Technician	3

Second Semester

CORE	SPCH		SPCH 1315 or 1321	3
CORE	ELEC		Humanities/Fine Arts Selection	3
CORE	ELEC		Social/Behavioral Science Selection	3
DEGR	ELEC		HITT/MDCA/MRMT/POFM	3

Total Hours **60**

Medical Coding and Billing (OTMC5) 510713

Certificate of Completion

(Available online and at select locations)

First Semester				Credit
HITT	1305		Medical Terminology I	3
POFM	1302		Medical Software Applications	3
HITT	1301		Health Data Content and Structure	3
HITT	1341		Coding and Classification Systems	3
POFI	1301		Computer Applications I	3

Second Semester

HITT	1303		Medical Terminology II	3
POFM	1327		Medical Insurance	3
POFM	2310		Intermediate Medical Coding	3
HITT	2335		Coding and Reimbursement Methodologies	3
POFT	1301		Business English	3

Third Semester

MDCA	1309		Anatomy and Physiology for Medical Assistants	3
MDCA	1302		Human Disease/Pathophysiology	3
HITT	1349		Pharmacology	3
HITT	2361		Clinical-Health Information/Medical Records Technology/Technician	3

Total Hours **42**

Certificate is stackable into AAS Medical Coding and Billing (OTMCB)

Medical Billing (OTM21) 510713

Certificate of Completion

(Available online and at select locations)

First Semester

			Credit
HITT	1305	Medical Terminology I	3
POFM	1302	Medical Software Applications	3
HITT	1301	Health Data Content and Structure	3
HITT	1341	Coding and Classification Systems	3
POFI	1301	Computer Applications I	3

Second Semester

HITT	1303	Medical Terminology II	3
POFM	1327	Medical Insurance*	3
POFM	2310	Intermediate Medical Coding	3
HITT	2335	Coding and Reimbursement Methodologies	3
POFT	1301	Business English*	3

Total Hours			30
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Certificate is stackable into AAS Medical Coding and Billing (OTMCB)

Paralegal/Legal Assistant

The Paralegal/Legal Assistant 2-year program is designed primarily for persons who seek full or part-time employment working as a paralegal. This curriculum also serves students who are exploring their interest in law-related careers, including becoming a lawyer. This 2-year curriculum culminates into an Associate of Applied Science Degree. The Paralegal Program also offers a one-year certificate of completion that can be done alone or in conjunction with the associate's degree program. The certificate of completion is designed to introduce students to the legal field and possibly help them get their "foot in the door" in working at a law firm as a receptionist or similar. The courses taken for the certificate of completion directly transfer into the associate's degree program.

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

First Year

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

Second Semester

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

Second Year

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

Second Semester

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

Paralegal/Legal Assistant (LAS16) 220301 Certificate of Completion

First Year

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

Second Semester

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

Paramedicine

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

Central Texas College in Europe offers out-of-hospital care training to the EMT level. Courses prepare students for EMT certification and the requirements needed to uphold an EMT license. EMT certification, through the National Registry of EMTs, is good for two years. Renewal requires documentation of 40 hours of continuing education in out-of-hospital care as prescribed by EMT National Continued Competency Program (NCCP), and maintenance of BLS (basic life support) certification.

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

First Year

First Semester (Pre-requisites Semester)

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

Second Semester

DEGR	EMSP	2206	Emergency Pharmacology	2
DEGR	EMSP	1355	Trauma Management	3
DEGR	EMSP	1356	Patient Assessment and Airway Management	3
DEGR	BIOL	2402	Anatomy and Physiology II	4

Third Semester

DEGR	EMSP	1338	Introduction to Advanced Practice	3
DEGR	EMSP	2444	Cardiology	4
DEGR	EMSP	2434	Medical Emergencies	4
DEGR	EMSP	2262	Clinical- Paramedic	2

Second Year

First Semester

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

Second Semester

CORE	PSYC	2301	General Psychology	3
CORE	ENGL	1301	Composition I	3
DEGR	EMSP	2164	Practicum - Emergency Medical Technology/Technician	
			EMT Paramedic	1
CORE	ELEC		Humanities/Fine Arts Selection	3
Total Hours				60

* Alternate Tracks are offered under this degree/certificate. See CTC website for additional information.

EMT - Paramedic (EMP15) 510904

Certificate of Completion

Upon successful completion of EMSP 1401 and EMSP 1160, students are eligible to sit for the National Registry Emergency Medical Technician (EMT) exam.

Upon successful completion of EMSP 1355, EMSP 1356, EMSP 1338, EMSP 2206 and EMSP 2262 students are eligible to sit for the National Registry Advanced EMT exam.

Upon successful completion of the certificate and/or the Associate of Applied Science degree curriculum, students are eligible to sit for the National Registry Paramedic exam.

			Credit
EMSP	1401	Emergency Medical Technician -Basic	4
EMSP	1160	Clinical-EMT	1
EMSP	1338	Introduction to Advanced Practice	3
EMSP	1355	Trauma Management	3
EMSP	1356	Patient Assessment and Airway Management	3
EMSP	2206	Emergency Pharmacology	2
EMSP	2444	Cardiology	4
EMSP	2434	Medical Emergencies	4
EMSP	2262	Clinical – Paramedic	2
EMSP	2330	Special Populations	3
EMSP	2143	Assessment Based Management	1
EMSP	2263	Clinical – Paramedic	2
EMSP	2305	EMS Operations	3
EMSP	2164	Practicum - Emergency Medical Technology/Technician	
		EMT Paramedic	1
Total Hours			36

*Alternate tracks are offered under this degree/certificate. See CTC website for additional information.

Certificate is stackable towards AAS Emergency Medical Technology (EMT15)

Protective Services

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

Criminal Justice (CJCJ5) 430104

Associate of Applied Science Degree

First Year

First Semester

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

Second Semester

DEGR/FOS	CJSA 1327/CRIJ 1310	Fundamentals of Criminal Law	3
DEGR	CJSA 1317/CRIJ 1313	Juvenile Justice System	3
DEGR	CJSA 1348	Ethics in Criminal Justice	3
DEGR	ENGL	ENGL 1302 or 2311	3
CORE	MATH	MATH 1314, 1332 or 1342	3

Second Year

First Semester

DEGR/FOS	CJSA 1359/CRIJ 2328	Police Systems and Practices	3
DEGR	CJSA 1342/CRIJ 2314	Criminal Investigation	3
DEGR/FOS	CRIJ 2313	Correctional Systems and Practices	3
CORE	SOCI 1301	Introduction to Sociology	3
CORE	GOVT 2305	Federal Government	3

Second Semester

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

Total Hours **60**

To view the Criminal Justice Field of Study (FOS) curriculum, please visit <http://www.theccb.state.tx.us/institutional-resources-programs/public-community-technical-state-colleges/transfer-resources/field-of-study-curricula/>.

Criminal Justice - Corrections Specialization (CJCR5) 430104

Associate of Applied Science Degree

First Year

First Semester			Credit
DEGR/FOS	CJSA1322/CRIJ 1301	Introduction to Criminal Justice	3
DEGR	CJCR 2325	Legal Aspects of Corrections	3
DEGR/FOS	CJSA 1313/CRIJ 1306	Court Systems and Practices	3
DEGR	CJSA 1312/CRIJ 1307	Crime in America	3
CORE	ENGL 1301	Composition I	3

Second Semester

DEGR/FOS	CJSA 1327/CRIJ 1310	Fundamentals of Criminal Law	3
DEGR	CJCR 1304	Probation and Parole	3
DEGR	CJSA 1348	Ethics in Criminal Justice	3
CORE	ENGL	ENGL 1302 or 2311	3
CORE	MATH	MATH 1314, 1332 or 1342	3

Second Year

First Semester

DEGR/FOS	CJCR 1307/CRIJ 2313	Correctional Systems and Practices	3
DEGR	CJCR 2324/CRIJ 2301	Community Resources in Corrections	3
DEGR/FOS	CRIJ 2328	Police Systems and Practices	3
CORE	SOCI 1301	Introduction to Sociology	3
CORE	GOVT 2305	Federal Government	3

Second Semester

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

Total Hours **60**

To view the Criminal Justice Field of Study (FOS) curriculum, please visit <http://www.thecb.state.tx.us/institutional-resources-programs/public-community-technical-state-colleges/transfer-resources/field-of-study-curricula/>.

Criminal Justice Studies with Specialization (CJCJ) 430104

Certificate of Completion

First Year

First Semester			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	Introduction to Criminal Justice**		3
CJSA 1359/CRIJ 2328	Police Systems and Practices*		3
Total			15

*Courses stackable towards AAS Criminal Justice (CJCJ5)

**Courses stackable towards AAS Criminal Justice-Corrections Specialization (CJCR5)

(Criminal Justice Studies Specialization-CJCJ)

Second Semester

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

Specialization Courses Total **15**

Certificate Total **30**

All courses stackable towards AAS Criminal Justice (CJCJ5)

(Criminal Justice Corrections Specialization-CJCR)

Second Semester

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

Specialization Courses Total **15**

Certificate Total **30**

All courses stackable towards AAS Criminal Justice-Corrections Specialization (CJCR5)

Fire Service Administration (FRSV8) 430202

Associate of Applied Science Degree

CTC's Fire Service Administration program prepares students for supervisory roles in Fire Protection. The degree provides key management competencies, including office management, accounting and human resources.

First Year

First Semester				Credit
DEGR	FIRT	1301	Fundamentals of Fire Protection	3
DEGR	FIRT	1309	Fire Administration I	3
DEGR	PSYC	1300	Learning Framework	3
CORE	SPCH	1321	Business and Professional Communications	3
DEGR	BMGT	1325	Office Management	3

Second Semester

DEGR	FIRT	2309	Firefighting Strategies and Tactics I	3
DEGR	FIRT	1338	Fire Protection Systems	3
CORE	ENGL	1301	Composition I	3
DEGR	ACCT	2301	Principles of Financial Accounting	3
DEGR	FIRT	1319	Firefighter Health and Safety	3

Second Year

First Semester				Credit
DEGR	HRPO	1311	Human Relations	3
CORE	MATH	1332	Contemporary Mathematics I or higher-level	3
DEGR	HMSY	2337	Managing a Unified Incident Command	3
DEGR	EMSP	1401	Emergency Medical Technician Basic	4
DEGR	EMSP	1160	Clinical – EMT	1

Second Semester

DEGR	EMAP	1400	Principles of Basic Emergency Management	4
CORE	GOVT	2305	Federal Government	3
DEGR	BUSI	1301	Business Principles	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	FIRT	1349	Fire Administration II	3
Total Hours				60

Fire Protection (FIP15) 430202

Associate of Applied Science Degree

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

CTC's Fire Protection program helps prepare students with the knowledge to succeed as a firefighter. Today's professional fire science practitioner must be able to analyze and ethically solve complex issues involving firefighting, dealing with hazardous materials, management, budgeting, administration and health and safety. General program course work provides a basic knowledge of the organization and functions of firefighting agencies while specialized courses provide specific knowledge and skills which support promotional efforts within an organization.

First Year

First Semester				Credit
DEGR	FIRT	1301	Fundamentals of Fire Protection	3
DEGR	FIRT	1309	Fire Administration I	3
DEGR	FIRT	1333	Fire Chemistry I	3
DEGR	FIRT	1338	Fire Protection Systems	3
CORE	ENGL	1301	Composition I	3
DEGR	KINE	1125	Physical Conditioning I	1

Second Semester

DEGR	FIRT	1307	Fire Prevention Codes and Inspection	3
DEGR	FIRT	1319	Firefighter Health and Safety	3
DEGR	FIRT	2309	Firefighting Strategies and Tactics I	3
CORE	MATH		MATH 1332 or 1342	3
DEGR	FIRT	1315	Hazardous Materials I	3

Second Year

First Semester				Credit
DEGR	FIRT	1329	Building Codes and Construction	3
DEGR	FIRT	1303	Fire and Arson Investigation I	3
DEGR	EMSP	1401	Emergency Medical Technician Basic	4
DEGR	EMSP	1160	Clinical - Emergency Medical Technology/Technician	1
CORE	SOCI	1301	Introduction to Sociology	3

Second Semester

CORE	GOVT	2305	Federal Government	3
DEGR	FIRT	1347	Industrial Fire Protection	3
DEGR	FIRT	2331	Firefighting Strategies and Tactics II	3
DEGR	FIRT	1349	Fire Administration II	
or				
DEGR	FIRT	1311	Fire Service Hydraulics	3
CORE	ELEC		Humanities/Fine Arts Selection	3
Total Hours				60

Fire Protection (FIP12) 430202**Certificate of Completion**

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

First Semester				Credit
FIRT	1301	Fundamentals of Fire Protection		3
FIRT	2309	Firefighting Strategies and Tactics I		3
FIRT	1338	Fire Protection Systems		3
FIRT	1309	Fire Administration I		3
FIRT	1315	Hazardous Materials I		3
Second Semester				
FIRT	1307	Fire Prevention Codes and Inspections		3
FIRT	1303	Fire and Arson Investigation I		3
FIRT	2331	Firefighting Strategies and Tactics II		3
FIRT	1333	Fire Chemistry I		3
FIRT		Technical Elective		3
or				
EMSP	1401	Emergency Medical Technician Basic		4
and				
EMSP	1160	Clinical - Emergency Medical Technology/Technician		1
Total Hours				30-32

Certificate is stackable into AAS Fire Protection (FIP15)

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 including psychology, politics, history, anthropology, sociology, geography, philosophy and economics.

Social Science (SOC4) 450101

Associate of Arts Degree

First Year

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

Second Semester

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

Second Year

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

Second Semester

DEGR			Social and Behavioral Science Selection	3
DEGR			Social and Behavioral Science Selection	3
DEGR			Foreign Language	4
DEGR	KINE		Physical Activity Course	1
DEGR			Social and Behavioral Science Selection	3

Total Hours **60**

<http://www.thecb.state.tx.us/institutional-resources-programs/public-universities-health-related-institutions/transfer-resources/field-of-study-curricula/>.

Field of Study Curriculum for Political Science and Government

GOVT 2304, GOVT 2305, GOVT 2306 and MATH 1342

Field of Study Curriculum for Sociology

SOCI 1301, SOCI 1306, SOCI 2301 and SOCI 2319

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 multiple university designated Bachelor level degrees in Texas.

Teacher Education (TEAE2) 131210

Associate of Arts in Teaching Degree

First Year

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

Second Semester

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

Second Year

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

Second Semester

DEGR	EDUC	2301	Introduction to Special Populations*	
or				
DEGR	TECA	1354	Child Growth and Development	3
CORE			Creative Arts	3
CORE	GOVT	2306	Texas Government	3
CORE			ENGL 2328 or MATH 1342	3

Total Hours				60
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* EC-6 Requirements, 4-8, EC-12 Special Education

Welding Technology

This program is designed for students desiring to prepare themselves for a welding career. The program provides entry-level, industry-validated, "hands-on" instruction using current technologies and equipment. Studies include welding safety, tools and equipment, machine setup and operation, gas welding and cutting, plasma cutting, shielded metal arc welding, electrode identification and use, MIG welding, TIG welding, pipe welding, blueprint reading, weld testing, and welding fabrication. Welding positions 1G through 4G are covered in plate welding and positions 1G through 6G are covered in pipe welding. E6010 and E7018 electrodes are used. AWS Certification criteria are used throughout the program.

Welding (WLD21) 480508 Associate of Applied Science Degree

First Year

First Semester				Credit
DEGR	WLDG	1323	Welding Safety Tools and Equipment	3
DEGR	WLDG	1313	Introduction to Blueprint Reading for Welders	3
DEGR	WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4
DEGR	WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
CORE	MATH	1332	Contemporary Mathematics	3

Second Semester

DEGR	WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
DEGR	WLDG	1430	Introduction to Gas Metal Arc (GMAW) Welding	4
or				
DEGR	WLDG	1435	Introduction to Pipe Welding	
DEGR	WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
CORE	ENGL	1301	Composition I	3

Second Year

First Semester				
DEGR	WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
DEGR	WLDG	2447	Advanced Gas Metal Arc Welding (GMAW)	4
or				
DEGR	WLDG	2406	Intermediate Pipe Welding	
DEGR	WLDG	1317	Introduction to Layout and Fabrication	3
CORE	GOVT	2305	Federal Government	3

Second Semester

DEGR	WLDG	2451	Advanced Gas Tungsten Welding (GTAW)	4
CORE	SPCH		SPCH 1315 or 1321	3
CORE	ELEC		Humanities/Fine Arts Selection	3
DEGR	WLDG	2435	Advanced Layout and Fabrication	4
or				
DEGR	WLDG	2453	Advanced Pipe Welding	
Total Hours				60

Welding Technology (WLD21) 480508 Certificate of Completion

				Credit
WLDG	1323	Welding Safety, Tools and Equipment		3
WLDG	1313	Introduction to Blueprint Reading for Welders		3
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting		4
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)		4
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)		4
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)		4
WLDG	1430	Introduction to Gas Metal Arc (GMAW) Welding		4
WLDG	2447	Advanced Gas Metal Arc Welding		4
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding		4
WLDG	2451	Advanced Gas Tungsten Arc Welding		4
WLDG	1317	Introduction to Layout and Fabrication		3
WLDG	2435	Advanced Layout and Fabrication		4
Total Hours				45

Certificate is stackable towards AAS Welding (WLD21)

Farm and Ranch (WLFR9) 480508
Certificate of completion

			Credit
WLDG	1323	Welding Safety, Tools and Equipment	3
WLDG	1313	Introduction to Blueprint Reading for Welders	3
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
Total Hours			18

Certificate is stackable towards AAS Welding (WLD21)

Structural Welding Technology (WLS19) 480508
Certificate of Completion

(Requires completion of WLFR9 certificate)

			Credit
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG	1430	Introduction to Gas Metal Arc (GMAW) Welding	4
WLDG	2447	Advanced Gas Metal Arc Welding (GMAW)	4
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG	2451	Advanced Gas Tungsten Welding (GTAW)	4
Total Hours			20

Certificate is stackable towards AAS Welding (WLD21)

Pipe Welding (WLP20) 480508
Certificate of Completion

			Credit
WLDG	1323	Welding Safety, Tools & Equipment	3
WLDG	1313	Introduction to Blueprint Reading for Welders	3
WLDG	1425	Introduction to Oxy-Fuel Welding and Cutting	4
WLDG	1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG	2451	Advanced Gas Tungsten Arc Welding	4
WLDG	2406	Intermediate Pipe Welding	4
WLDG	2453	Advanced Pipe Welding	4
WLDG	1317	Introduction to Layout and Fabrication	3
Total Hours			41

* This a Level 2 certificate that is stackable towards the AAS Welding (WLD21)

Pipe Welding (WLP20) 480508
Certificate of Completion

Requires completion of WLFR9 certificate

			Credit
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG	1434	Introduction to Gas Tungsten Arc (GTAW) Welding	4
WLDG	2451	Advanced Gas Tungsten Arc Welding (GTAW)	4
WLDG	1435	Introduction to Pipe Welding	4
WLDG	2406	Intermediate Pipe Welding	4
Total Hours			20

This is a Level 1 certificate that is stackable towards the AAS Welding (WLD21)