



## CYPRESS COLLEGE CURRICULUM COMMITTEE

Tuesday, March 17, 2020  
Zoom Meeting  
3:00 p.m.

### AGENDA

Thank you for being on time. The meeting starts at 3:00 pm in the Teaching Learning Center in the LRC. Your attendance is critical in helping to meet the curriculum needs of Cypress College. Remember, if you are unable to attend please find an alternate representative.

**Call to Order:**

**Silvie Grote, Chair**

1. **Establish Quorum and Acknowledge Alternates**
2. **Adoption of the Agenda**
3. **Approval of March 3, 2020 *minutes*:** (attached)
4. **Public Commentary** (3 minutes per speaker)
5. **Curriculum Specialist Report:** Marbelly Jairam
6. **Articulation Officer Report:** Jacky Rangel
7. **Division Reports:** All division reps
8. **Chair Report**
9. **Cultural Diversity sub-committee:** First read of the revised cultural diversity description draft.
10. **Approval of curriculum**
11. **Curriculum review demonstration**

**Info items:**

ENGL 101 C – Correct typos in the course outline, effective Fall 20, previously board approved 6/11/2019.  
KIN 180 C-Add FSA in M35-Coaching, effective, Fall 20, previously board approved 6/12/2018.

DEACTIVATE COURSES/CERTIFICATES		
COURSE ID	EFF DATE	JUSTIFICATION
AT 220 C	2020 Fall	course no longer offered
AT 221 C	2020 Fall	course no longer offered

NEW COURSES					
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
AT 275 C Automotive Service Advisor Intern Units: 1-4 Lecture: 1 Laboratory: 15	*New Course *Hybrid *Prerequisite: AT 195 C	24	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	This course provides the student with real world experience working in the career field of automotive service advisor. This is the final course in the service advisor certificate program. Successful completion of this course, along with previous completion of the certificate course requirements will result in the student earning their service advisor certificate and put them in a very strong position to obtain employment.

AT 296 C T-TEN Automotive Internship I Units: 1 Lecture: 1 Laboratory: 15	*New Course *Distance Education and Hybrid *Pass/No Pass/Letter Grade Option *Prerequisite: Completion of or concurrent enrollment in the T-TEN coursework for year one of the program (T-TEN Electrical in Fall and T- TEN Brake/Chassis in the Spring).	25	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	Applicable for students in their first year of the T-TEN program.
AT 297 C T-TEN Automotive Internship II Units: 1 Lecture: 1 Laboratory: 15	*New Course *Distance Education and Hybrid *Prerequisite: Completion of or concurrent enrollment in the T-TEN coursework for year one of the program (T-TEN Driveline in Fall and T- TEN ICE/EV/Hybrid in the Spring).	25	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	T-TEN students begin work their first year of the program. This course supports their internship work during the second-year semesters of the program.

**REVISED COURSES**

COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
AT 130 C Auto Chassis and Brake Systems Units: 12 Lecture: 9 Laboratory: 9	*Outline Update *Prerequisites revalidated *Prerequisite added: AT 260 C *Prerequisite removed: AT 105 C and AT 112 C *Catalog/Schedule Description Update *Textbook Update	24	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	Course Review Outline, prerequisites revalidated/added/removed, catalog/schedule description and textbook updated to better reflect course content.  Duplicating this course and changing the number to create a TTEN specific course. AT130 will remain the same, the new course is AT254
AT 140 C Auto Drivetrains/Transmissions Units: 12 Lecture: 9 Laboratory: 9	*Outline Update *Prerequisites revalidated *Prerequisite removed: AT 112 C *Prerequisite added: AT 260 C *Catalog/Schedule Description Update *Textbook Update	24	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	Course Review Outline, prerequisite revalidated/added/removed, catalog, schedule description updated to better reflect course content.  Updating course number for TTEN use to AT223. AT140 will remain a general auto program course. Updating content.

AT 150 C Auto Performance and Driveability Units: 12 Lecture: 9 Laboratory: 9	*Outline Update *Prerequisites revalidated *Prerequisite removed: AT 112 C *Prerequisite added: AT 260 C *Catalog/Schedule Description Update	24	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	Course Review Outline, prerequisite revalidated/removed/added, catalog and schedule description updated to better reflect course content.
AT 210 C T-TEN Internal Combustion Engines and Alternative Fuels Units: 6 Lecture: 4.5 Laboratory: 4.5	*Outline Update *Course number and title change from AT 121 C Auto Engine Mechanical Concept *Hybrid added *Prerequisite revalidated *Prerequisite removed: AT 105 C *Prerequisite added: AT 260 C *Catalog/Schedule Description Update *Textbook Update	24	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	Course Review Outline, prerequisite revalidated/removed/added, course number, title, Hybrid added, catalog, schedule and textbook updated to better reflect course content.  Renumbering course to match ASE content area. Updating course content to include new hybrid related technology
AT 223 C T-TEN Transmissions, Driveline, and Electric Drivetrain Units: 12 Lecture: 9 Laboratory: 9	*Outline Update *Units change from 6 *Course number and title change from AT 141 C Drivetrain and Transmissions *Hybrid added *Class Fee added: \$30 *Prerequisite revalidated *Prerequisite added: AT 110C and AT 260C *Prerequisite removed: AT 112 C *Lecture hours from 4.5 *Lab hours from 4.5 *Catalog/Schedule Description Update *Textbook Update	24	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees (both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 2-4.	2020 Fall	Course Review Outline, units, course number, title, hybrid added, class fee added, prerequisites revalidated/added/removed, lecture/lab hours, catalog/schedule description and textbook updated to better reflect course content.  T-TEN has been a separate pathway for automotive students for 6 years. It is now evident that the related courses should have designated course numbers, titles and descriptions.
AT 230 C Advanced Alignment and Chassis Units: 4 Lecture: 3 Laboratory: 3	*Outline Update *Prerequisite removed *Catalog/Schedule Description Update	24	All automotive technology courses at Cypress College involve lecture/individualized instruction and lab that involve extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees both general automotive and Toyota) the recommendation was followed NATEF standard of 24, which maintains a safe working environment by creating collaborative work groups of 4.	2020 Fall	Course Review Outline, prerequisite removed, catalog and schedule description updated to better reflect course content.  In order to meet the needs of our automotive aftermarket industry partners, the prerequisite structure of this course requires a change

COUN 110 C Teaching as a Career Units: 3 Lecture: 2 Laboratory: 3	*Outline Update *Grading Option from Pass/No Pass/Standard Letter Grade Option to Standard Letter Grade *Advisory added: ENGL 060 C *TOPS code change to 0802.00 *SAM code change to C-Occupational *Catalog/Schedule Description Update *Student Learning Outcomes Update *Textbook Update	35	The majority of the class focuses on discussion, group learning, and formal student presentations which is all supported by instructor lecture. Evaluation primarily through field experience journals, objective quizzes, and writing assignments.	2020 Fall	Course Review Outline, grading option, advisory added, TOPS code, SAM code, catalog, schedule, SLO's and textbook updated to better reflect course content.
---	--	----	---	-----------	--

**NEW DEGREES/CERTIFICATES**

DEGREE		EFF DATE	JUSTIFICATION																		
Automotive Technology	<b>Automotive Air Conditioning Technician Associate in Science Degree</b>  Required courses are listed in suggested sequence (18 units): <table border="1" data-bbox="253 951 951 1178"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT110 C</td> <td>Introduction to Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT111 C</td> <td>Automotive Quick Service</td> <td>6</td> </tr> <tr> <td>AT115 C</td> <td>Automotive Air Conditioning</td> <td>4</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT110 C	Introduction to Automotive Technology	4	AT111 C	Automotive Quick Service	6	AT115 C	Automotive Air Conditioning	4	Total Units		18	2020 Fall	This program is designed to prepare students for employment as an Automotive Line Technician Specialist 1 in the automotive and transportation industry. Training is given in both theory and practical skills. Directed practical work is given in all areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of line technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive line technician specialist 1.
		Units																			
AT105 C	Automotive Electrical I	4																			
AT110 C	Introduction to Automotive Technology	4																			
AT111 C	Automotive Quick Service	6																			
AT115 C	Automotive Air Conditioning	4																			
Total Units		18																			
Automotive Technology	<b>Automotive Engine Management Specialist 1 Technician Associate in Science Degree</b>  Required courses are listed in the suggested sequence (20 units): <table border="1" data-bbox="253 1314 951 1499"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT106 C</td> <td>Automotive Electrical II</td> <td>4</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>20</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT106 C	Automotive Electrical II	4	AT150 C	Auto Performance and Driveability	12	Total Units		20	2020 Fall	This program is designed to prepare students for employment as an Automotive Engine Management Specialist 1 Technician. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of engine management specialist 1 technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive engine management specialist 1 technician.			
		Units																			
AT105 C	Automotive Electrical I	4																			
AT106 C	Automotive Electrical II	4																			
AT150 C	Auto Performance and Driveability	12																			
Total Units		20																			
Automotive Technology	<b>Automotive Line Technician 1 Specialist Associate in Science Degree</b>  Required courses are listed in suggested sequence (24 units): <table border="1" data-bbox="253 1759 951 1906"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT130 C	Auto Chassis and Brake Systems	12	AT150 C	Auto Performance and Driveability	12	Total Units		24	2020 Fall	This program is designed to prepare students for employment as an Automotive Line Technician 1. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required						
		Units																			
AT130 C	Auto Chassis and Brake Systems	12																			
AT150 C	Auto Performance and Driveability	12																			
Total Units		24																			

			of line technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive line technician specialist.												
Automotive Technology	<b>Automotive Line Technician 2 Specialist Associate in Science Degree</b> Required courses are listed in suggested sequence (24 units): <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT130 C	Auto Chassis and Brake Systems	12	AT140 C	Auto Drivetrains/Transmissions	12	Total Units		24	2020 Fall	This program is designed to prepare students for employment as an Automotive Line Technician 2. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of line technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive line technician specialist.
		Units													
AT130 C	Auto Chassis and Brake Systems	12													
AT140 C	Auto Drivetrains/Transmissions	12													
Total Units		24													
Automotive Technology	<b>Automotive Line Technician 3 Specialist Associate in Science Degree</b> Required courses are listed in suggested sequence (24 units): <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT140 C	Auto Drivetrains/Transmissions	12	AT150 C	Auto Performance and Driveability	12	Total Units		24	2020 Fall	This program is designed to prepare students for employment as an Automotive Line Technician 3. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of line technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive line technician specialist.
		Units													
AT140 C	Auto Drivetrains/Transmissions	12													
AT150 C	Auto Performance and Driveability	12													
Total Units		24													
Automotive Technology	<b>Automotive Powertrain Systems Technician Associate in Science Degree</b> Required courses are listed in suggested sequence (24 units): <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT140 C	Auto Drivetrains/Transmissions	12	Total Units		24	2020 Fall	This program is designed to prepare students for employment as an Automotive Powertrains Systems Technician. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of powertrains system technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive powertrain systems specialist.
		Units													
AT120 C	Auto Engine Repair/Machining	12													
AT140 C	Auto Drivetrains/Transmissions	12													
Total Units		24													
Automotive Technology	<b>Automotive Speed, Tuning and Performance Technician Associate in Science Degree</b> Required courses are listed in suggested sequence (24 units): <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT150 C	Auto Performance and Driveability	12	Total Units		24	2020 Fall	This program is designed to prepare students for employment as an Automotive Speed, Tuning and Performance Technician. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of speed, tuning and performance technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive speed, tuning and performance technician specialist.
		Units													
AT120 C	Auto Engine Repair/Machining	12													
AT150 C	Auto Performance and Driveability	12													
Total Units		24													

Automotive Technology	<p><b>Automotive Supplemental Vehicle Systems Technician Associate in Science Degree</b></p> <p>Required courses are listed in suggested sequence (18 units):</p> <table border="1" data-bbox="256 306 954 520"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT106 C</td> <td>Automotive Electrical II</td> <td>4</td> </tr> <tr> <td>AT107 C</td> <td>Automotive Electrical III</td> <td>4</td> </tr> <tr> <td>AT111 C</td> <td>Automotive Quick Service</td> <td>6</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT106 C	Automotive Electrical II	4	AT107 C	Automotive Electrical III	4	AT111 C	Automotive Quick Service	6	Total Units		18	2020 Fall	<p>This program is designed to prepare students for employment as an Automotive Supplemental Vehicle Specialist Technician. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of supplemental vehicle specialist technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive supplemental vehicle specialist technician.</p>			
		Units																						
AT105 C	Automotive Electrical I	4																						
AT106 C	Automotive Electrical II	4																						
AT107 C	Automotive Electrical III	4																						
AT111 C	Automotive Quick Service	6																						
Total Units		18																						
Automotive Technology	<p><b>Automotive Technology Advanced Supplemental Vehicle Systems Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (18 units):</p> <table border="1" data-bbox="256 749 954 963"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT106 C</td> <td>Automotive Electrical II</td> <td>4</td> </tr> <tr> <td>AT107 C</td> <td>Automotive Electrical III</td> <td>4</td> </tr> <tr> <td>AT111 C</td> <td>Automotive Quick Service</td> <td>6</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT106 C	Automotive Electrical II	4	AT107 C	Automotive Electrical III	4	AT111 C	Automotive Quick Service	6	Total Units		18	2020 Fall	<p>Modern automotive electronic and electrical systems have become complex and complicated to diagnose. These advanced vehicle systems have caused automobile manufacturers to seek out community college automotive training programs for technician training requirements. At Subaru's request, this certificate meets student instructional requirements in terms of job retention, wage gains, and employability.</p>			
		Units																						
AT105 C	Automotive Electrical I	4																						
AT106 C	Automotive Electrical II	4																						
AT107 C	Automotive Electrical III	4																						
AT111 C	Automotive Quick Service	6																						
Total Units		18																						
Automotive Technology	<p><b>Automotive Technology Air Conditioning Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (18 units):</p> <table border="1" data-bbox="256 1102 954 1316"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT110 C</td> <td>Introduction to Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT111 C</td> <td>Automotive Quick Service</td> <td>6</td> </tr> <tr> <td>AT115 C</td> <td>Automotive Air Conditioning</td> <td>4</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT110 C	Introduction to Automotive Technology	4	AT111 C	Automotive Quick Service	6	AT115 C	Automotive Air Conditioning	4	Total Units		18	2020 Fall	<p>Modern Automobile air conditioning systems have become very complicated in terms of physics, technician licensing, EPA regulations, and repair accessibility. These advanced vehicle systems and technology requirements have caused automobile manufacturers to seek out community college automotive programs for technician training requirements. At Subaru's request, this certificate meets the ASE A7 requirements for modern vehicle air conditioning system certification.</p>			
		Units																						
AT105 C	Automotive Electrical I	4																						
AT110 C	Introduction to Automotive Technology	4																						
AT111 C	Automotive Quick Service	6																						
AT115 C	Automotive Air Conditioning	4																						
Total Units		18																						
Automotive Technology	<p><b>Automotive Technology Electric/Hybrid Vehicle Maintenance Technician Certificate</b></p> <p>Required courses are listed in suggested sequence (20 units):</p> <table border="1" data-bbox="256 1455 954 1698"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT106 C</td> <td>Automotive Electrical II</td> <td>4</td> </tr> <tr> <td>AT107 C</td> <td>Automotive Electrical III</td> <td>4</td> </tr> <tr> <td>AT281 C</td> <td>Introduction to Electric/Hybrid Vehicles</td> <td>4</td> </tr> <tr> <td>AT282 C</td> <td>Hybrid Vehicle Maintenance</td> <td>4</td> </tr> <tr> <td colspan="2">Total Units</td> <td>20</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT106 C	Automotive Electrical II	4	AT107 C	Automotive Electrical III	4	AT281 C	Introduction to Electric/Hybrid Vehicles	4	AT282 C	Hybrid Vehicle Maintenance	4	Total Units		20	2020 Fall	<p>This program was added to accomplish stated goal of Perkins Transportation grant. It creates a certificate to meet needs of the automotive electric/hybrid vehicle maintenance technician specialist. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The electric/hybrid vehicle systems have compelled automobile manufacturers to seek out community college automotive programs for technician training requirements. This certificate will help students achieve advanced skill sets in electric/hybrid vehicle analytics and higher wage gains.</p>
		Units																						
AT105 C	Automotive Electrical I	4																						
AT106 C	Automotive Electrical II	4																						
AT107 C	Automotive Electrical III	4																						
AT281 C	Introduction to Electric/Hybrid Vehicles	4																						
AT282 C	Hybrid Vehicle Maintenance	4																						
Total Units		20																						

Automotive Technology	<p><b>Automotive Technology Electric/Hybrid Vehicle Technician Associate in Science Degree</b></p> <p>Required courses are listed in suggested sequence (20 units):</p> <table border="1" data-bbox="256 306 951 554"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT106 C</td> <td>Automotive Electrical II</td> <td>4</td> </tr> <tr> <td>AT107 C</td> <td>Automotive Electrical III</td> <td>4</td> </tr> <tr> <td>AT281 C</td> <td>Introduction to Electric/Hybrid Vehicles</td> <td>4</td> </tr> <tr> <td>AT282 C</td> <td>Hybrid Vehicle Maintenance</td> <td>4</td> </tr> <tr> <td colspan="2">Total Units</td> <td>20</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT106 C	Automotive Electrical II	4	AT107 C	Automotive Electrical III	4	AT281 C	Introduction to Electric/Hybrid Vehicles	4	AT282 C	Hybrid Vehicle Maintenance	4	Total Units		20	2020 Fall	<p>This program is designed to prepare students for employment as an Automotive Electric/Hybrid Vehicle Technician. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of electric/hybrid vehicles technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive supplemental vehicle specialist technician.</p>
		Units																						
AT105 C	Automotive Electrical I	4																						
AT106 C	Automotive Electrical II	4																						
AT107 C	Automotive Electrical III	4																						
AT281 C	Introduction to Electric/Hybrid Vehicles	4																						
AT282 C	Hybrid Vehicle Maintenance	4																						
Total Units		20																						
Automotive Technology	<p><b>Automotive Technology Engine Management Specialist 1 Certificate</b></p> <p>Required courses are listed in suggested sequence (20 units):</p> <table border="1" data-bbox="256 751 951 936"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT106 C</td> <td>Automotive Electrical II</td> <td>4</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>20</td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT106 C	Automotive Electrical II	4	AT150 C	Auto Performance and Driveability	12	Total Units		20	2020 Fall	<p>This program was added to accomplish stated goal of Perkins Transportation grant. It creates a certificate to meet needs of the Automotive Technology Engine Management Specialist. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The advanced systems that modern Engine Management technicians are working with have become so complex and have compelled automobile manufacturers to seek out community college automotive programs for technician training requirements. This certificate will help students achieve advanced skill sets that Engine Management Systems Technicians need and help achieve higher wage gains.</p>						
		Units																						
AT105 C	Automotive Electrical I	4																						
AT106 C	Automotive Electrical II	4																						
AT150 C	Auto Performance and Driveability	12																						
Total Units		20																						
Automotive Technology	<p><b>Automotive Technology Line Technician 1 Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (24 units):</p> <table border="1" data-bbox="256 1234 951 1390"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT130 C	Auto Chassis and Brake Systems	12	AT150 C	Auto Performance and Driveability	12	Total Units		24	2020 Fall	<p>This program was added to accomplish stated goal of Perkins Transportation grant. It creates a certificate to meet needs of the Automotive Technology Line Technician 1 Specialist. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The advanced systems that modern Line Technicians are working with have become so complex that they have compelled automobile manufacturers to seek out community college automotive programs that meet technician training requirements. This certificate will help students achieve advanced skill sets that Line Technician 1 Technicians need to help achieve higher wage gains.</p>									
		Units																						
AT130 C	Auto Chassis and Brake Systems	12																						
AT150 C	Auto Performance and Driveability	12																						
Total Units		24																						
Automotive Technology	<p><b>Automotive Technology Line Technician 2 Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (24 units):</p> <table border="1" data-bbox="256 1709 951 1873"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT130 C	Auto Chassis and Brake Systems	12	AT140 C	Auto Drivetrains/Transmissions	12	Total Units		24	2020 Fall	<p>This program was added to accomplish stated goal of Perkins Transportation grant. It creates a certificate to meet needs of the Automotive Technology Line Technician 2 Specialist. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The advanced systems that modern Line Technicians are working with have become so complex and have compelled automobile manufacturers to seek out community college automotive programs for technician training requirements. This certificate will help students achieve advanced skill sets that Line</p>									
		Units																						
AT130 C	Auto Chassis and Brake Systems	12																						
AT140 C	Auto Drivetrains/Transmissions	12																						
Total Units		24																						

			Technician 2 Technicians need and help achieve higher wage gains.																				
Automotive Technology	<p><b>Automotive Technology Line Technician 3 Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (24 units):</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT140 C	Auto Drivetrains/Transmissions	12	AT150 C	Auto Performance and Driveability	12	Total Units		24	<p>2020 Fall</p> <p>This program was added to accomplish stated goal of Perkins Transportation grant. It creates a certificate to meet needs of the Automotive Technology Line Technician 3 Specialist. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The advanced systems that modern Line Technicians are working with have become so complex and have compelled automobile manufacturers to seek out community college automotive programs for technician training requirements. This certificate will help students achieve advanced skill sets that Line Technician 3 Technicians need and help achieve higher wage gains.</p>									
		Units																					
AT140 C	Auto Drivetrains/Transmissions	12																					
AT150 C	Auto Performance and Driveability	12																					
Total Units		24																					
Automotive Technology	<p><b>Automotive Technology Powertrain Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (24 units):</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT140 C	Auto Drivetrains/Transmissions	12	Total Units		24	<p>2020 Fall</p> <p>This program was added to accomplish the stated goal of the Perkins Transportation grant. It creates a certificate to meet the needs of the automotive aftermarket Powertrains Specialist. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The advanced power trains systems have compelled automobile manufacturers to seek out community college automotive programs that meet technician training requirements. This certificate will help students achieve advanced skill sets in powertrain analytics and as a result obtain higher wage gains.</p>									
		Units																					
AT120 C	Auto Engine Repair/Machining	12																					
AT140 C	Auto Drivetrains/Transmissions	12																					
Total Units		24																					
Automotive Technology	<p><b>Automotive Technology Speed, Tuning, and Performance Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (24 units):</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT150 C	Auto Performance and Driveability	12	Total Units		24	<p>2020 Fall</p> <p>This program is designed to prepare Automotive Technology students for employment as an automotive Speed, Tuning and Performance Systems specialist. Course work includes theory and operation of modern vehicle Engine Management and Engine Mechanical systems, the use of test instruments, diagnostic techniques and skill competency required by line technician 3 system specialists for diagnosis and repair. The program will provide the student the opportunity to acquire the knowledge and skills demanded of the modern automotive Speed, Tuning and Performance Systems specialist.</p>									
		Units																					
AT120 C	Auto Engine Repair/Machining	12																					
AT150 C	Auto Performance and Driveability	12																					
Total Units		24																					
Automotive Technology	<p><b>Automotive Technology Subaru Technician Associate in Science Degree</b></p> <p>Required courses are listed in suggested sequence (50 units):</p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td>AT171 C</td> <td>Advanced Clean Air Car Course</td> <td>2</td> </tr> <tr> <td colspan="2">Total Units</td> <td>50</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT130 C	Auto Chassis and Brake Systems	12	AT140 C	Auto Drivetrains/Transmissions	12	AT150 C	Auto Performance and Driveability	12	AT171 C	Advanced Clean Air Car Course	2	Total Units		50	<p>2020 Fall</p> <p>This program is designed to prepare students for employment as an Automotive Technology Subaru Technician. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of Subaru vehicle technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive Subaru vehicle technician.</p>
		Units																					
AT120 C	Auto Engine Repair/Machining	12																					
AT130 C	Auto Chassis and Brake Systems	12																					
AT140 C	Auto Drivetrains/Transmissions	12																					
AT150 C	Auto Performance and Driveability	12																					
AT171 C	Advanced Clean Air Car Course	2																					
Total Units		50																					



Automotive Technology	<p><b>Automotive Technology Subaru Technician Certificate</b></p> <p>Required courses are listed in suggested sequence (50 units):</p> <table border="1" data-bbox="256 275 951 520"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td>AT171 C</td> <td>Advanced Clean Air Car Course</td> <td>2</td> </tr> <tr> <td colspan="2">Total Units</td> <td>50</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT130 C	Auto Chassis and Brake Systems	12	AT140 C	Auto Drivetrains/Transmissions	12	AT150 C	Auto Performance and Driveability	12	AT171 C	Advanced Clean Air Car Course	2	Total Units		50	2020 Fall	This program was added to accomplish stated goal of Perkins Transportation grant. It creates a certificate to meet needs of the automotive Subaru technician specialist. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The Subaru vehicle systems have compelled automobile manufacturers to seek out community college automotive programs for technician training requirements. This certificate will help students achieve advanced skill sets in Subaru vehicle analytics and higher wage gains.
		Units																						
AT120 C	Auto Engine Repair/Machining	12																						
AT130 C	Auto Chassis and Brake Systems	12																						
AT140 C	Auto Drivetrains/Transmissions	12																						
AT150 C	Auto Performance and Driveability	12																						
AT171 C	Advanced Clean Air Car Course	2																						
Total Units		50																						
Automotive Technology	<p><b>Automotive Technology Undercar Technician Specialist Certificate</b></p> <p>Required courses are listed in suggested sequence (24 units):</p> <table border="1" data-bbox="256 653 951 810"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT130 C	Auto Chassis and Brake Systems	12	Total Units		24	2020 Fall	This program was added to accomplish the stated goals of the Perkins Transportation grant. It creates a certificate to meet needs of the Automotive Technology Undercar Technician Specialist Certificate. Modern automobiles have become very complicated in terms of technology, technician licensing, manufacturer repair requirements, EPA regulations, and repair accessibility. The advanced systems that modern Undercar Technicians are working with have become so complex and have compelled automobile manufacturers to seek out community college automotive programs for technician training requirements. This certificate will help students achieve advanced skill sets that Under Technicians need and help achieve higher wage gains.									
		Units																						
AT120 C	Auto Engine Repair/Machining	12																						
AT130 C	Auto Chassis and Brake Systems	12																						
Total Units		24																						
Automotive Technology	<p><b>Automotive Undercar Systems Technician Associate in Science Degree</b></p> <p>Required courses are listed in suggested sequence (24 units):</p> <table border="1" data-bbox="256 1100 951 1257"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>24</td> </tr> </tbody> </table>			Units	AT120 C	Auto Engine Repair/Machining	12	AT130 C	Auto Chassis and Brake Systems	12	Total Units		24	2020 Fall	This program is designed to prepare students for employment as an Automotive Undercar Systems Technician. In addition, this degree will assist students in achieving advanced skills sets in modern analytics for maintenance and repair of automobiles. Students will be in a better position for wage gains, job retention and advanced employability. Training is given in theory and practical skills. Directed practical work is given in areas of automotive maintenance and repair under simulated on-the-job conditions. Particular emphasis is placed on those competencies required of undercar system technicians. The program will provide the student opportunity to acquire the knowledge and skills demanded of the modern automotive undercar systems specialist.									
		Units																						
AT120 C	Auto Engine Repair/Machining	12																						
AT130 C	Auto Chassis and Brake Systems	12																						
Total Units		24																						
Automotive Technology	<p><b>T-TEN Certified Technician Certificate</b></p> <p>Required courses are listed in suggested sequence (34 units):</p> <table border="1" data-bbox="256 1486 951 1726"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT270 C</td> <td>T-TEN Climate Control Systems</td> <td>4</td> </tr> <tr> <td>AT223 C</td> <td>T-TEN Transmissions, Driveline, and Electric Drivetrain</td> <td>12</td> </tr> <tr> <td>AT210 C</td> <td>T-TEN Internal Combustion Engines and Alternative Fuels</td> <td>6</td> </tr> <tr> <td>AT283 C</td> <td>TTEN ICE/HV/EV Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>34</td> </tr> </tbody> </table>			Units	AT270 C	T-TEN Climate Control Systems	4	AT223 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12	AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6	AT283 C	TTEN ICE/HV/EV Performance and Driveability	12	Total Units		34	2020 Fall	This program provides the auto technology T-TEN program student who completes all course work and related transfer GE course work a certificate and AS degree for achieving the T-TEN Certified Technician Status.			
		Units																						
AT270 C	T-TEN Climate Control Systems	4																						
AT223 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12																						
AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6																						
AT283 C	TTEN ICE/HV/EV Performance and Driveability	12																						
Total Units		34																						

Automotive Technology	<p><b>T-TEN Certified Technician Associate in Science Degree</b></p> <p>Required courses are listed in suggested sequence (62 units):</p> <table border="1" data-bbox="256 275 954 632"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT260 C</td> <td>T-TEN Toyota Electrical Systems</td> <td>12</td> </tr> <tr> <td>AT254 C</td> <td>T-TEN Brakes, Steering, Suspension and Chassis Electronics</td> <td>12</td> </tr> <tr> <td>AT270 C</td> <td>T-TEN Climate Control Systems</td> <td>4</td> </tr> <tr> <td>AT223 C</td> <td>T-TEN Transmissions, Driveline, and Electric Drivetrain</td> <td>12</td> </tr> <tr> <td>AT210 C</td> <td>T-TEN Internal Combustion Engines and Alternative Fuels</td> <td>6</td> </tr> <tr> <td>AT283 C</td> <td>T-TEN ICE/HV/EV Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>62</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT260 C	T-TEN Toyota Electrical Systems	12	AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12	AT270 C	T-TEN Climate Control Systems	4	AT223 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12	AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6	AT283 C	T-TEN ICE/HV/EV Performance and Driveability	12	Total Units		62	2020 Fall	Supports the T-TEN student who has completed some or all of the transfer GE degree requirements or encourages those without a degree to also complete the transfer GE requirements as part of their T-TEN experience at Cypress College.
		Units																												
AT109 C	Introduction to Toyota Automotive Technology	4																												
AT260 C	T-TEN Toyota Electrical Systems	12																												
AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12																												
AT270 C	T-TEN Climate Control Systems	4																												
AT223 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12																												
AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6																												
AT283 C	T-TEN ICE/HV/EV Performance and Driveability	12																												
Total Units		62																												
Automotive Technology	<p><b>T-TEN Maintenance Technician Certificate</b></p> <p>Required courses are listed in suggested sequence (28 units):</p> <table border="1" data-bbox="256 779 954 982"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT260 C</td> <td>T-TEN Toyota Electrical Systems</td> <td>12</td> </tr> <tr> <td>AT254 C</td> <td>T-TEN Brakes, Steering, Suspension and Chassis Electronics</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>28</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT260 C	T-TEN Toyota Electrical Systems	12	AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12	Total Units		28	2020 Fall	Supports completion of year one T-TEN course work and related GE course work.												
		Units																												
AT109 C	Introduction to Toyota Automotive Technology	4																												
AT260 C	T-TEN Toyota Electrical Systems	12																												
AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12																												
Total Units		28																												
Automotive Technology	<p><b>T-TEN Maintenance Technician Associate in Science Degree</b></p> <p>Required Automotive courses are listed in suggested sequence (28 units):</p> <table border="1" data-bbox="256 1157 954 1325"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT260 C</td> <td>T-TEN Toyota Electrical Systems</td> <td>12</td> </tr> <tr> <td>AT254 C</td> <td>T-TEN Brakes, Steering, Suspension and Chassis Electronics</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>28</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT260 C	T-TEN Toyota Electrical Systems	12	AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12	Total Units		28	2020 Fall	Supports the year 1 T-TEN student who has completed some or all of the local GE degree requirements or encourages those without a degree to also complete the local GE requirements as part of their T-TEN experience at Cypress College.												
		Units																												
AT109 C	Introduction to Toyota Automotive Technology	4																												
AT260 C	T-TEN Toyota Electrical Systems	12																												
AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12																												
Total Units		28																												

**MODIFY DEGREES/CERTIFICATES**

DEGREE		EFF DATE	JUSTIFICATION																																																																											
Automotive Technology	<p><b>Automotive Technology Certificate</b></p> <p><b>Required courses are listed in suggested sequence.</b></p> <p><b>Students must take AT 105 Automotive Electrical I (4 units) and then choose four of the five listed 12 unit courses (48 units): Total units 52.</b></p> <table border="1" data-bbox="256 472 951 743"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT105 C</td> <td>Automotive Electrical I</td> <td>4</td> </tr> <tr> <td>AT120 C</td> <td>Auto Engine Repair/Machining</td> <td>12</td> </tr> <tr> <td>AT130 C</td> <td>Auto Chassis and Brake Systems</td> <td>12</td> </tr> <tr> <td>AT140 C</td> <td>Auto Drivetrains/Transmissions</td> <td>12</td> </tr> <tr> <td>AT150 C</td> <td>Auto Performance and Driveability</td> <td>12</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>AT200 C</td> <td>Electronic and Electrical Diagnostics</td> <td>12</td> </tr> </tbody> </table> <p><b>Select a minimum of 3-4 units from the elective courses listed below</b></p> <table border="1" data-bbox="256 772 951 1318"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT050 C</td> <td>Auto Tech Special Projects</td> <td>0.5 - 3</td> </tr> <tr> <td>AT101 C</td> <td>Survey of the Automobile</td> <td>3</td> </tr> <tr> <td>AT102 C</td> <td>Automotive History</td> <td>3</td> </tr> <tr> <td>AT106 C</td> <td>Automotive Electrical II</td> <td>4</td> </tr> <tr> <td>AT110 C</td> <td>Introduction to Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT111 C</td> <td>Automotive Quick Service</td> <td>6</td> </tr> <tr> <td>AT115 C</td> <td>Automotive Air Conditioning</td> <td>4</td> </tr> <tr> <td>AT170 C</td> <td>Clean Air Car Level 1 and 2</td> <td>4</td> </tr> <tr> <td>AT171 C</td> <td>Advanced Clean Air Car Course</td> <td>2</td> </tr> <tr> <td>AT209 C</td> <td>Toyota Portfolio TPORT</td> <td>1</td> </tr> <tr> <td>AT250 C</td> <td>Advanced Performance and Driveability</td> <td>4</td> </tr> <tr> <td>AT280 C</td> <td>Introduction to Alternative Fuels</td> <td>4</td> </tr> <tr> <td>AT281 C</td> <td>Introduction to Electric/Hybrid Vehicles</td> <td>4</td> </tr> <tr> <td>AT298 C</td> <td>Automotive Service Seminar</td> <td>0.5 - 12</td> </tr> <tr> <td>MGT266 C</td> <td>Human Relations in Business</td> <td>3</td> </tr> <tr> <td colspan="2"><b>Total Units</b></td> <td><b>55 - 56</b></td> </tr> </tbody> </table>			Units	AT105 C	Automotive Electrical I	4	AT120 C	Auto Engine Repair/Machining	12	AT130 C	Auto Chassis and Brake Systems	12	AT140 C	Auto Drivetrains/Transmissions	12	AT150 C	Auto Performance and Driveability	12		or		AT200 C	Electronic and Electrical Diagnostics	12			Units	AT050 C	Auto Tech Special Projects	0.5 - 3	AT101 C	Survey of the Automobile	3	AT102 C	Automotive History	3	AT106 C	Automotive Electrical II	4	AT110 C	Introduction to Automotive Technology	4	AT111 C	Automotive Quick Service	6	AT115 C	Automotive Air Conditioning	4	AT170 C	Clean Air Car Level 1 and 2	4	AT171 C	Advanced Clean Air Car Course	2	AT209 C	Toyota Portfolio TPORT	1	AT250 C	Advanced Performance and Driveability	4	AT280 C	Introduction to Alternative Fuels	4	AT281 C	Introduction to Electric/Hybrid Vehicles	4	AT298 C	Automotive Service Seminar	0.5 - 12	MGT266 C	Human Relations in Business	3	<b>Total Units</b>		<b>55 - 56</b>	2020 Fall	<p>Remove: AT 220 C, AT 221 C Add: AT 111 C, AT 106 C</p> <p>Total units remain the same.</p>
		Units																																																																												
AT105 C	Automotive Electrical I	4																																																																												
AT120 C	Auto Engine Repair/Machining	12																																																																												
AT130 C	Auto Chassis and Brake Systems	12																																																																												
AT140 C	Auto Drivetrains/Transmissions	12																																																																												
AT150 C	Auto Performance and Driveability	12																																																																												
	or																																																																													
AT200 C	Electronic and Electrical Diagnostics	12																																																																												
		Units																																																																												
AT050 C	Auto Tech Special Projects	0.5 - 3																																																																												
AT101 C	Survey of the Automobile	3																																																																												
AT102 C	Automotive History	3																																																																												
AT106 C	Automotive Electrical II	4																																																																												
AT110 C	Introduction to Automotive Technology	4																																																																												
AT111 C	Automotive Quick Service	6																																																																												
AT115 C	Automotive Air Conditioning	4																																																																												
AT170 C	Clean Air Car Level 1 and 2	4																																																																												
AT171 C	Advanced Clean Air Car Course	2																																																																												
AT209 C	Toyota Portfolio TPORT	1																																																																												
AT250 C	Advanced Performance and Driveability	4																																																																												
AT280 C	Introduction to Alternative Fuels	4																																																																												
AT281 C	Introduction to Electric/Hybrid Vehicles	4																																																																												
AT298 C	Automotive Service Seminar	0.5 - 12																																																																												
MGT266 C	Human Relations in Business	3																																																																												
<b>Total Units</b>		<b>55 - 56</b>																																																																												
Automotive Technology	<p><b>Automotive T-TEN Air Conditioning Specialist Certificate</b></p> <p><b>Required courses are listed in the suggested sequence (18 units):</b></p> <table border="1" data-bbox="256 1423 951 1640"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT260 C</td> <td>T-TEN Toyota Electrical Systems</td> <td>12</td> </tr> <tr> <td>AT270 C</td> <td>T-TEN Climate Control Systems</td> <td>4</td> </tr> <tr> <td>AT209 C</td> <td>Toyota Portfolio TPORT</td> <td>1</td> </tr> <tr> <td>AT296 C</td> <td>T-TEN Automotive Internship I</td> <td>1</td> </tr> <tr> <td colspan="2"><b>Total Units</b></td> <td><b>18</b></td> </tr> </tbody> </table>			Units	AT260 C	T-TEN Toyota Electrical Systems	12	AT270 C	T-TEN Climate Control Systems	4	AT209 C	Toyota Portfolio TPORT	1	AT296 C	T-TEN Automotive Internship I	1	<b>Total Units</b>		<b>18</b>	2020 Fall	<p>This certificate is awarded when the student demonstrates proficiency in the T-TEN and NATEF (National Automotive Technician Foundation) curriculum tasks for air conditioning</p> <p>Remove: AT 112 C, AT 115 C Add: AT 260 C, AT 270 C, AT 296 C</p> <p>Total units from 17 to 18</p>																																																									
		Units																																																																												
AT260 C	T-TEN Toyota Electrical Systems	12																																																																												
AT270 C	T-TEN Climate Control Systems	4																																																																												
AT209 C	Toyota Portfolio TPORT	1																																																																												
AT296 C	T-TEN Automotive Internship I	1																																																																												
<b>Total Units</b>		<b>18</b>																																																																												

Automotive Technology	<p><b>Automotive T-TEN Brake and Alignment Specialist Certificate</b></p> <p><b>Required courses are listed in the suggested sequence (18 units):</b></p> <table border="1" data-bbox="256 275 954 537"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT254 C</td> <td>T-TEN Brakes, Steering, Suspension and Chassis Electronics</td> <td>12</td> </tr> <tr> <td>AT209 C</td> <td>Toyota Portfolio TPORT</td> <td>1</td> </tr> <tr> <td>AT296 C</td> <td>T-TEN Automotive Internship I</td> <td>1</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12	AT209 C	Toyota Portfolio TPORT	1	AT296 C	T-TEN Automotive Internship I	1	Total Units		18	2020 Fall	<p>This certificate is awarded when the student demonstrates successful completion of the T-TEN and NATEF (National Automotive Technician Education Foundation) curriculum tasks.</p> <p>Remove: AT 130 C Add: AT 254 C, AT 296 C</p> <p>Total units from 17 to 18</p>			
		Units																						
AT109 C	Introduction to Toyota Automotive Technology	4																						
AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12																						
AT209 C	Toyota Portfolio TPORT	1																						
AT296 C	T-TEN Automotive Internship I	1																						
Total Units		18																						
Automotive Technology	<p><b>Automotive T-TEN Electrical Certificate</b></p> <p><b>Required courses are listed in the suggested sequence (18 units):</b></p> <table border="1" data-bbox="256 644 954 873"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT260 C</td> <td>T-TEN Toyota Electrical Systems</td> <td>12</td> </tr> <tr> <td>AT209 C</td> <td>Toyota Portfolio TPORT</td> <td>1</td> </tr> <tr> <td>AT296 C</td> <td>T-TEN Automotive Internship I</td> <td>1</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT260 C	T-TEN Toyota Electrical Systems	12	AT209 C	Toyota Portfolio TPORT	1	AT296 C	T-TEN Automotive Internship I	1	Total Units		18	2020 Fall	<p>This certificate demonstrates the T-TEN student has successfully completed the T-TEN and NATEF (National Automotive Technician Education Foundation) electrical curriculum tasks.</p> <p>Remove: AT 112 C Add: AT 260 C, AT 296 C</p> <p>Total units from 17-18</p>			
		Units																						
AT109 C	Introduction to Toyota Automotive Technology	4																						
AT260 C	T-TEN Toyota Electrical Systems	12																						
AT209 C	Toyota Portfolio TPORT	1																						
AT296 C	T-TEN Automotive Internship I	1																						
Total Units		18																						
Automotive Technology	<p><b>Automotive T-TEN Engine and Driveline Specialist Certificate</b></p> <p><b>Required courses are listed in the suggested sequence (23 units):</b></p> <table border="1" data-bbox="256 987 954 1215"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT210 C</td> <td>T-TEN Internal Combustion Engines and Alternative Fuels</td> <td>6</td> </tr> <tr> <td>AT223 C</td> <td>T-TEN Transmissions, Driveline, and Electric Drivetrain</td> <td>12</td> </tr> <tr> <td>AT213 C</td> <td>Toyota Portfolio II TPORT (II)</td> <td>1</td> </tr> <tr> <td colspan="2">Total Units</td> <td>23</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6	AT223 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12	AT213 C	Toyota Portfolio II TPORT (II)	1	Total Units		23	2020 Fall	<p>This certificate is awarded when the student demonstrates completion of the T-TEN and NATEF (National Automotive Technician Education Foundation) curriculum tasks.</p> <p>Remove: AT 121 C, AT 141 C Add: AT 210 C, AT 223 C</p> <p>Total units from 17 to 23</p>			
		Units																						
AT109 C	Introduction to Toyota Automotive Technology	4																						
AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6																						
AT223 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12																						
AT213 C	Toyota Portfolio II TPORT (II)	1																						
Total Units		23																						
Automotive Technology	<p><b>Automotive T-TEN Performance and Driveability Specialist Certificate</b></p> <p><b>Required courses are listed in the suggested sequence (18 units):</b></p> <table border="1" data-bbox="256 1356 954 1566"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT283 C</td> <td>T-TEN ICE/HV/EV Performance and Driveability</td> <td>12</td> </tr> <tr> <td>AT213 C</td> <td>Toyota Portfolio II TPORT (II)</td> <td>1</td> </tr> <tr> <td>AT297 C</td> <td>T-TEN Automotive Internship II</td> <td>1</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT283 C	T-TEN ICE/HV/EV Performance and Driveability	12	AT213 C	Toyota Portfolio II TPORT (II)	1	AT297 C	T-TEN Automotive Internship II	1	Total Units		18	2020 Fall	<p>This certificate is awarded when the student demonstrates proficiency in the T-TEN and NATEF (National Automotive Technician Foundation) curriculum tasks for engine performance.</p> <p>Remove: AT 150 C Add: AT 283 C, AT 297 C</p> <p>Total units from 17 to 18</p>			
		Units																						
AT109 C	Introduction to Toyota Automotive Technology	4																						
AT283 C	T-TEN ICE/HV/EV Performance and Driveability	12																						
AT213 C	Toyota Portfolio II TPORT (II)	1																						
AT297 C	T-TEN Automotive Internship II	1																						
Total Units		18																						
Automotive Technology	<p><b>Automotive T-TEN Toyota and Lexus Specialist Certificate</b></p> <p><b>Required courses are listed in the suggested sequence (62 units):</b></p> <table border="1" data-bbox="256 1671 954 1932"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>AT109 C</td> <td>Introduction to Toyota Automotive Technology</td> <td>4</td> </tr> <tr> <td>AT260 C</td> <td>T-TEN Toyota Electrical Systems</td> <td>12</td> </tr> <tr> <td>AT254 C</td> <td>T-TEN Brakes, Steering, Suspension and Chassis Electronics</td> <td>12</td> </tr> <tr> <td>AT270 C</td> <td>T-TEN Climate Control Systems</td> <td>4</td> </tr> <tr> <td>AT210 C</td> <td>T-TEN Internal Combustion Engines and Alternative Fuels</td> <td>6</td> </tr> <tr> <td>AT232 C</td> <td>T-TEN Transmissions, Driveline, and Electric Drivetrain</td> <td>12</td> </tr> </tbody> </table>			Units	AT109 C	Introduction to Toyota Automotive Technology	4	AT260 C	T-TEN Toyota Electrical Systems	12	AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12	AT270 C	T-TEN Climate Control Systems	4	AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6	AT232 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12	2020 Fall	<p>This certificate is awarded when the student has completed all T-TEN related course work, demonstrates proficiency in the T-TEN and NATEF (National Automotive Technician Foundation) curriculum tasks and has met the graduation requirements for T-TEN.</p> <p>Remove: AT 112 C, AT 130 C, AT 115 C, AT 121 C, AT 141 C, AT 150 C</p>
		Units																						
AT109 C	Introduction to Toyota Automotive Technology	4																						
AT260 C	T-TEN Toyota Electrical Systems	12																						
AT254 C	T-TEN Brakes, Steering, Suspension and Chassis Electronics	12																						
AT270 C	T-TEN Climate Control Systems	4																						
AT210 C	T-TEN Internal Combustion Engines and Alternative Fuels	6																						
AT232 C	T-TEN Transmissions, Driveline, and Electric Drivetrain	12																						

	<table border="1"> <tr> <td>AT283 C</td> <td>TTEN ICE/HV/EV Performance and Driveability</td> <td>12</td> </tr> <tr> <td colspan="2">Total Units</td> <td>62</td> </tr> </table>	AT283 C	TTEN ICE/HV/EV Performance and Driveability	12	Total Units		62		<p>Add: AT 260 C, AT 254 C, AT 270 C, AT 210 C, AT 232 C, AT 283 C</p> <p>Total units from 56 to 62</p>																																													
AT283 C	TTEN ICE/HV/EV Performance and Driveability	12																																																				
Total Units		62																																																				
English as a Second Language	<p><b>ESL Milestone Certificate: Pathway to Aviation and Travel Careers</b></p> <p><b>Complete the required ESL courses listed in sequence (15 units):</b></p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ESL184 C</td> <td>Advanced Academic Reading/Writing 1</td> <td>5</td> </tr> <tr> <td>ESL185 C</td> <td>Advanced Academic Reading/Writing 2</td> <td>5</td> </tr> <tr> <td>ESL186 C</td> <td>College Writing Preparation for Non-Native Speakers</td> <td>5</td> </tr> </tbody> </table> <p><b>Complete one of the following Aviation and Travel Careers (ATC) courses (3 units):</b></p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ATC101 C</td> <td>Introduction to Travel Careers</td> <td>3</td> </tr> <tr> <td>ATC102 C</td> <td>Career Communication/Portfolio</td> <td>3</td> </tr> <tr> <td>ATC160 C</td> <td>UAV/UAS Basic</td> <td>3</td> </tr> <tr> <td>ATC270 C</td> <td>Airline Operations</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	ESL184 C	Advanced Academic Reading/Writing 1	5	ESL185 C	Advanced Academic Reading/Writing 2	5	ESL186 C	College Writing Preparation for Non-Native Speakers	5			Units	ATC101 C	Introduction to Travel Careers	3	ATC102 C	Career Communication/Portfolio	3	ATC160 C	UAV/UAS Basic	3	ATC270 C	Airline Operations	3	Total Units		18	2020 Fall	<p>Expand certificate title and remove acronyms.</p> <p>Removed: COUN 140 C</p> <p>Total units remain the same.</p>																					
		Units																																																				
ESL184 C	Advanced Academic Reading/Writing 1	5																																																				
ESL185 C	Advanced Academic Reading/Writing 2	5																																																				
ESL186 C	College Writing Preparation for Non-Native Speakers	5																																																				
		Units																																																				
ATC101 C	Introduction to Travel Careers	3																																																				
ATC102 C	Career Communication/Portfolio	3																																																				
ATC160 C	UAV/UAS Basic	3																																																				
ATC270 C	Airline Operations	3																																																				
Total Units		18																																																				
English as a Second Language	<p><b>ESL Milestone Certificate: Pathway to Dental Hygiene, Nursing, and Psychiatric Technology</b></p> <p><b>Complete the Required ESL courses listed in sequence (15 units):</b></p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ESL184 C</td> <td>Advanced Academic Reading/Writing 1</td> <td>5</td> </tr> <tr> <td>ESL185 C</td> <td>Advanced Academic Reading/Writing 2</td> <td>5</td> </tr> <tr> <td>ESL186 C</td> <td>College Writing Preparation for Non-Native Speakers</td> <td>5</td> </tr> </tbody> </table> <p><b>Take one of the following courses (3-5 units):</b></p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CHEM101 C</td> <td>Chemistry for Health Science Majors I</td> <td>4.5</td> </tr> <tr> <td>HRC100 C</td> <td>Nutrition</td> <td>3</td> </tr> <tr> <td colspan="3">or</td> </tr> <tr> <td>KIN270 C</td> <td>Nutrition Science and Application</td> <td>3</td> </tr> <tr> <td colspan="3">or</td> </tr> <tr> <td>KIN270HC</td> <td>Honors Nutrition: Science and Application</td> <td>3</td> </tr> <tr> <td>BIOL160 C</td> <td>Integrated Medical Science</td> <td>3</td> </tr> <tr> <td>BIOL231 C</td> <td>General Human Anatomy</td> <td>4</td> </tr> <tr> <td>BIOL241 C</td> <td>General Human Physiology</td> <td>4</td> </tr> <tr> <td>BIOL210 C</td> <td>Anatomy and Physiology</td> <td>5</td> </tr> <tr> <td>PSY139 C</td> <td>Developmental Psychology</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18-20</td> </tr> </tbody> </table>			Units	ESL184 C	Advanced Academic Reading/Writing 1	5	ESL185 C	Advanced Academic Reading/Writing 2	5	ESL186 C	College Writing Preparation for Non-Native Speakers	5			Units	CHEM101 C	Chemistry for Health Science Majors I	4.5	HRC100 C	Nutrition	3	or			KIN270 C	Nutrition Science and Application	3	or			KIN270HC	Honors Nutrition: Science and Application	3	BIOL160 C	Integrated Medical Science	3	BIOL231 C	General Human Anatomy	4	BIOL241 C	General Human Physiology	4	BIOL210 C	Anatomy and Physiology	5	PSY139 C	Developmental Psychology	3	Total Units		18-20	2020 Fall	<p>Removed slashes (-/-) and replaced it with commas in certificate title.</p> <p>Removed: PSY 101 C, PSY 101HC, SOC 101 C, SOC 101HC, COMM 100, COMM 100HC, COUN 140 C</p> <p>Added: KIN 270 C, KIN 270 HC, BIOL 231 C, BIOL 241 C, BIOL 210 C</p> <p>Total units from 18-19 to 18-20</p>
		Units																																																				
ESL184 C	Advanced Academic Reading/Writing 1	5																																																				
ESL185 C	Advanced Academic Reading/Writing 2	5																																																				
ESL186 C	College Writing Preparation for Non-Native Speakers	5																																																				
		Units																																																				
CHEM101 C	Chemistry for Health Science Majors I	4.5																																																				
HRC100 C	Nutrition	3																																																				
or																																																						
KIN270 C	Nutrition Science and Application	3																																																				
or																																																						
KIN270HC	Honors Nutrition: Science and Application	3																																																				
BIOL160 C	Integrated Medical Science	3																																																				
BIOL231 C	General Human Anatomy	4																																																				
BIOL241 C	General Human Physiology	4																																																				
BIOL210 C	Anatomy and Physiology	5																																																				
PSY139 C	Developmental Psychology	3																																																				
Total Units		18-20																																																				
English as a Second Language	<p><b>ESL Milestone Certificate: Pathway to Diagnostic Medical Sonography, Health Information Technology, and Radiological Technology</b></p> <p><b>Complete the Required ESL courses listed in sequence (15 units):</b></p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ESL184 C</td> <td>Advanced Academic Reading/Writing 1</td> <td>5</td> </tr> <tr> <td>ESL185 C</td> <td>Advanced Academic Reading/Writing 2</td> <td>5</td> </tr> <tr> <td>ESL186 C</td> <td>College Writing Preparation for Non-Native Speakers</td> <td>5</td> </tr> </tbody> </table> <p><b>Complete one of the following courses (3 units):</b></p> <table border="1"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>HS145 C</td> <td>Survey of Medical Terminology</td> <td>3</td> </tr> <tr> <td>HS147 C</td> <td>Survey of Disease</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>18</td> </tr> </tbody> </table>			Units	ESL184 C	Advanced Academic Reading/Writing 1	5	ESL185 C	Advanced Academic Reading/Writing 2	5	ESL186 C	College Writing Preparation for Non-Native Speakers	5			Units	HS145 C	Survey of Medical Terminology	3	HS147 C	Survey of Disease	3	Total Units		18	2020 Fall	<p>Expand certificate title and remove acronyms.</p> <p>Removed: CIS 111 C, COUN 140 C</p> <p>Added: HS 147 C</p> <p>Total units remain the same.</p>																											
		Units																																																				
ESL184 C	Advanced Academic Reading/Writing 1	5																																																				
ESL185 C	Advanced Academic Reading/Writing 2	5																																																				
ESL186 C	College Writing Preparation for Non-Native Speakers	5																																																				
		Units																																																				
HS145 C	Survey of Medical Terminology	3																																																				
HS147 C	Survey of Disease	3																																																				
Total Units		18																																																				

English as a Second Language	<p><b>ESL Milestone Certificate: Pathway to Science, Engineering, and Mathematics</b></p> <p><b>Complete the Required ESL courses listed in sequence (10 units):</b></p> <table border="1" data-bbox="256 289 954 420"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ESL185 C</td> <td>Advanced Academic Reading/Writing 2</td> <td>5</td> </tr> <tr> <td>ESL186 C</td> <td>College Writing Preparation for Non-Native Speakers</td> <td>5</td> </tr> </tbody> </table> <p><b>Complete the following MATH course (4 units):</b></p> <table border="1" data-bbox="256 449 954 516"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>MATH141 C</td> <td>College Algebra</td> <td>4</td> </tr> </tbody> </table> <p><b>Complete one of the following courses (4-5 units):</b></p> <table border="1" data-bbox="256 546 954 705"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CHEM107 C</td> <td>Preparation for General Chemistry</td> <td>5</td> </tr> <tr> <td>CHEM111AC</td> <td>General Chemistry I</td> <td>5</td> </tr> <tr> <td>PHYS130 C</td> <td>Elementary Physics</td> <td>4</td> </tr> <tr> <td>Total Units</td> <td></td> <td>18 - 19</td> </tr> </tbody> </table>			Units	ESL185 C	Advanced Academic Reading/Writing 2	5	ESL186 C	College Writing Preparation for Non-Native Speakers	5			Units	MATH141 C	College Algebra	4			Units	CHEM107 C	Preparation for General Chemistry	5	CHEM111AC	General Chemistry I	5	PHYS130 C	Elementary Physics	4	Total Units		18 - 19	2020 Fall	Expand certificate title and remove acronyms.  Total units remain the same.												
		Units																																											
ESL185 C	Advanced Academic Reading/Writing 2	5																																											
ESL186 C	College Writing Preparation for Non-Native Speakers	5																																											
		Units																																											
MATH141 C	College Algebra	4																																											
		Units																																											
CHEM107 C	Preparation for General Chemistry	5																																											
CHEM111AC	General Chemistry I	5																																											
PHYS130 C	Elementary Physics	4																																											
Total Units		18 - 19																																											
Management	<p><b>BUSINESS MANAGEMENT CERTIFICATE</b></p> <p><b>Required courses are listed in suggested sequence (17 units):</b></p> <table border="1" data-bbox="256 827 954 1226"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>MGT161 C</td> <td>Introduction to Business</td> <td>3</td> </tr> <tr> <td>MKT222 C</td> <td>Principles of Marketing</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>MKT210 C</td> <td>Consumer Behavior</td> <td>3</td> </tr> <tr> <td>MGT240 C</td> <td>Legal Environment of Business</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>MGT262 C</td> <td>Principles of Management</td> <td>3</td> </tr> <tr> <td>ACCT101 C</td> <td>Financial Accounting</td> <td>5</td> </tr> <tr> <td>ECON105 C</td> <td>Principles of Economics-Micro</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>ECON105HC</td> <td>Honors Principles of Economics</td> <td>3</td> </tr> <tr> <td>Total Units</td> <td></td> <td>17</td> </tr> </tbody> </table>			Units	MGT161 C	Introduction to Business	3	MKT222 C	Principles of Marketing	3		or		MKT210 C	Consumer Behavior	3	MGT240 C	Legal Environment of Business	3		or		MGT262 C	Principles of Management	3	ACCT101 C	Financial Accounting	5	ECON105 C	Principles of Economics-Micro	3		or		ECON105HC	Honors Principles of Economics	3	Total Units		17	2020 Fall	Due to changes in current business practices, it is necessary to make an adjustment to the courses that make up this certificate. We intend to eliminate outdated courses and replace them with existing courses which better reflect current business practices. This is not a major overhaul of the program, yet is it essential to maintain the integrity of our certificate.  Removed: CIS 111 C, MGT 261 C, MGT 266 C, ECON 110 C  Added: MKT 210 C  Total units from 29 to 17			
		Units																																											
MGT161 C	Introduction to Business	3																																											
MKT222 C	Principles of Marketing	3																																											
	or																																												
MKT210 C	Consumer Behavior	3																																											
MGT240 C	Legal Environment of Business	3																																											
	or																																												
MGT262 C	Principles of Management	3																																											
ACCT101 C	Financial Accounting	5																																											
ECON105 C	Principles of Economics-Micro	3																																											
	or																																												
ECON105HC	Honors Principles of Economics	3																																											
Total Units		17																																											
Management	<p><b>RETAIL MANAGEMENT CERTIFICATE</b></p> <p><b>Required courses are listed in suggested sequence (24 units):</b></p> <table border="1" data-bbox="256 1375 954 1808"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>MGT161 C</td> <td>Introduction to Business</td> <td>3</td> </tr> <tr> <td>MGT151 C</td> <td>Business Mathematics</td> <td>3</td> </tr> <tr> <td>MGT211 C</td> <td>Writing for Business</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>MGT111 C</td> <td>Business Communications</td> <td>3</td> </tr> <tr> <td>CIS111 C</td> <td>Computer Information Systems</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>CIS150 C</td> <td>Microsoft Office Applications</td> <td>3</td> </tr> <tr> <td>MGT262 C</td> <td>Principles of Management</td> <td>3</td> </tr> <tr> <td>MKT105 C</td> <td>Principles of Retailing</td> <td>3</td> </tr> <tr> <td>MKT222 C</td> <td>Principles of Marketing</td> <td>3</td> </tr> <tr> <td>MGT266 C</td> <td>Human Relations in Business</td> <td>3</td> </tr> <tr> <td>Total Units</td> <td></td> <td>24</td> </tr> </tbody> </table>			Units	MGT161 C	Introduction to Business	3	MGT151 C	Business Mathematics	3	MGT211 C	Writing for Business	3		or		MGT111 C	Business Communications	3	CIS111 C	Computer Information Systems	3		or		CIS150 C	Microsoft Office Applications	3	MGT262 C	Principles of Management	3	MKT105 C	Principles of Retailing	3	MKT222 C	Principles of Marketing	3	MGT266 C	Human Relations in Business	3	Total Units		24	2020 Fall	Course revisions to meet current WAFC current required outcomes.  Removed: COMM 100 C, COMM 100HC, ACCT 101 C, MGT 268 C  Added: MGT 161 C, CIS 150 C  Total units from 32 to 24
		Units																																											
MGT161 C	Introduction to Business	3																																											
MGT151 C	Business Mathematics	3																																											
MGT211 C	Writing for Business	3																																											
	or																																												
MGT111 C	Business Communications	3																																											
CIS111 C	Computer Information Systems	3																																											
	or																																												
CIS150 C	Microsoft Office Applications	3																																											
MGT262 C	Principles of Management	3																																											
MKT105 C	Principles of Retailing	3																																											
MKT222 C	Principles of Marketing	3																																											
MGT266 C	Human Relations in Business	3																																											
Total Units		24																																											

Marketing	<b>MARKETING CERTIFICATE</b>		2020 Fall	Due to changes in current marketing practices, it is necessary to make an adjustment to the courses that make up this certificate. We intend to eliminate outdated courses and replace them with existing courses which better reflect current marketing practices. This is not a major overhaul of the program, yet it essential to maintain the integrity of our certificate.  Removed: MKT 105 C Added: MGT 261 C, MGT 262 C, COUN 139 C  Total Units from 21 to 19-21	
	<b>Required courses are listed in suggested sequence (16 units):</b>				
		Units			
	MGT161 C	Introduction to Business			3
	MKT103 C	Principles of Advertising			3
	MKT222 C	Principles of Marketing			3
	MKT208 C	Principles of Selling			3
		or			
	MGT261 C	Small Business Management			3
		or			
	MGT262 C	Principles of Management			3
	MKT210 C	Consumer Behavior			3
	COUN139 C	Career Exploration			1
	<b>Electives (select one course from the courses listed below 3-5 units)</b>				
	Units				
MKT205 C	Multicultural Markets in U.S.	3			
MKT224 C	International Marketing	3			
MKT201 C	Small Business Promotion	3			
ACCT101 C	Financial Accounting	5			
MGT151 C	Business Mathematics	3			
Total Units		19 - 21			

**DEACTIVATE DEGREES/CERTIFICATES**

DEGREE		EFF DATE	JUSTIFICATION		
Automotive Technology	<b>Automotive Technology: Toyota Specialist Certificate</b>		2020 Fall	Change in required courses	
	<b>Required courses are listed in suggested sequence:</b>				
		Units			
	AT109 C	Introduction to Toyota Automotive Technology			4
	AT105 C	Automotive Electrical I			4
		and			
	AT106 C	Automotive Electrical II			4
		and			
	AT107 C	Automotive Electrical III			4
		or			
	AT200 C	Electronic and Electrical Diagnostics			12
	AT130 C	Auto Chassis and Brake Systems			12
	AT115 C	Automotive Air Conditioning			4
	AT150 C	Auto Performance and Driveability			12
AT121 C	Auto Engine Mechanical Concept	6			
AT140 C	Auto Drivetrains/Transmissions	12			
Total Units		62			
Computer Information Systems	<b>JAVA PROGRAMMING CERTIFICATE</b>		2020 Fall	Lack of demand for this certificate.  Courses are Active in other programs.	
	<b>Required courses are listed in suggested sequence:</b>				
		Units			
	CIS111 C	Computer Information Systems			3
	CIS211 C	Introduction to Programming			3
	CIS226 C	Java Programming			3
	CIS234 C	Advanced Java Programming			3
		or			
CIS252 C	Java Web and Mobil Applications	3			
Total Units		12			

Computer Information Systems	<p><b>VISUAL C PROGRAMMING CERTIFICATE</b></p> <p><b>Required courses are listed in suggested sequence:</b></p> <table border="1"> <thead> <tr> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS111 C</td> <td>Computer Information Systems</td> <td>3</td> </tr> <tr> <td>CIS211 C</td> <td>Introduction to Programming</td> <td>3</td> </tr> <tr> <td>CIS218 C</td> <td>Visual C# Programming</td> <td>3</td> </tr> <tr> <td>CIS223 C</td> <td>Visual C++ Programming</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>12</td> </tr> </tbody> </table>		Units	CIS111 C	Computer Information Systems	3	CIS211 C	Introduction to Programming	3	CIS218 C	Visual C# Programming	3	CIS223 C	Visual C++ Programming	3	Total Units		12	2020 Fall	Lack of demand for this certificate.  Courses are Active in other programs.																														
	Units																																																	
CIS111 C	Computer Information Systems	3																																																
CIS211 C	Introduction to Programming	3																																																
CIS218 C	Visual C# Programming	3																																																
CIS223 C	Visual C++ Programming	3																																																
Total Units		12																																																
Management	<p><b>ASSOCIATE IN SCIENCE DEGREE RETAIL MANAGEMENT</b></p> <p><b>Required courses are listed in suggested sequence:</b></p> <table border="1"> <thead> <tr> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>MGT111 C</td> <td>Business Communications</td> <td>3</td> </tr> <tr> <td colspan="2">or</td> <td></td> </tr> <tr> <td>MGT211 C</td> <td>Writing for Business</td> <td>3</td> </tr> <tr> <td>MGT151 C</td> <td>Business Mathematics</td> <td>3</td> </tr> <tr> <td>CIS111 C</td> <td>Computer Information Systems</td> <td>3</td> </tr> <tr> <td>COMM100 C</td> <td>Human Communication</td> <td>3</td> </tr> <tr> <td colspan="2">or</td> <td></td> </tr> <tr> <td>COMM100HC</td> <td>Honors Human Communication</td> <td>3</td> </tr> <tr> <td>MGT262 C</td> <td>Principles of Management</td> <td>3</td> </tr> <tr> <td>ACCT101 C</td> <td>Financial Accounting</td> <td>5</td> </tr> <tr> <td>MKT222 C</td> <td>Principles of Marketing</td> <td>3</td> </tr> <tr> <td>MKT105 C</td> <td>Principles of Retailing</td> <td>3</td> </tr> <tr> <td>MGT266 C</td> <td>Human Relations in Business</td> <td>3</td> </tr> <tr> <td>MGT268 C</td> <td>Human Resources Management</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>32</td> </tr> </tbody> </table>		Units	MGT111 C	Business Communications	3	or			MGT211 C	Writing for Business	3	MGT151 C	Business Mathematics	3	CIS111 C	Computer Information Systems	3	COMM100 C	Human Communication	3	or			COMM100HC	Honors Human Communication	3	MGT262 C	Principles of Management	3	ACCT101 C	Financial Accounting	5	MKT222 C	Principles of Marketing	3	MKT105 C	Principles of Retailing	3	MGT266 C	Human Relations in Business	3	MGT268 C	Human Resources Management	3	Total Units		32	2020 Fall	Program no longer meets the students' needs.  Courses are Active in other programs.
	Units																																																	
MGT111 C	Business Communications	3																																																
or																																																		
MGT211 C	Writing for Business	3																																																
MGT151 C	Business Mathematics	3																																																
CIS111 C	Computer Information Systems	3																																																
COMM100 C	Human Communication	3																																																
or																																																		
COMM100HC	Honors Human Communication	3																																																
MGT262 C	Principles of Management	3																																																
ACCT101 C	Financial Accounting	5																																																
MKT222 C	Principles of Marketing	3																																																
MKT105 C	Principles of Retailing	3																																																
MGT266 C	Human Relations in Business	3																																																
MGT268 C	Human Resources Management	3																																																
Total Units		32																																																
Management	<p><b>Technology Management Certificate</b></p> <p><b>Core Requirements</b></p> <table border="1"> <thead> <tr> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>CIS160 C</td> <td>Information Systems Management</td> <td>3</td> </tr> <tr> <td colspan="2">or</td> <td></td> </tr> <tr> <td>CIS182 C</td> <td>Microsoft Networking Fundamentals</td> <td>3</td> </tr> <tr> <td>CIS274 C</td> <td>Project Management Fundamentals</td> <td>3</td> </tr> <tr> <td>MGT161 C</td> <td>Introduction to Business</td> <td>3</td> </tr> <tr> <td>MGT262 C</td> <td>Principles of Management</td> <td>3</td> </tr> <tr> <td colspan="2">or</td> <td></td> </tr> <tr> <td>MGT266 C</td> <td>Human Relations in Business</td> <td>3</td> </tr> <tr> <td colspan="2">Total Units</td> <td>12</td> </tr> </tbody> </table>		Units	CIS160 C	Information Systems Management	3	or			CIS182 C	Microsoft Networking Fundamentals	3	CIS274 C	Project Management Fundamentals	3	MGT161 C	Introduction to Business	3	MGT262 C	Principles of Management	3	or			MGT266 C	Human Relations in Business	3	Total Units		12	2020 Fall	Certificate no longer meets the students' needs.  Courses are Active in other programs.																		
	Units																																																	
CIS160 C	Information Systems Management	3																																																
or																																																		
CIS182 C	Microsoft Networking Fundamentals	3																																																
CIS274 C	Project Management Fundamentals	3																																																
MGT161 C	Introduction to Business	3																																																
MGT262 C	Principles of Management	3																																																
or																																																		
MGT266 C	Human Relations in Business	3																																																
Total Units		12																																																