

AUTOMOTIVE TECHNOLOGY

Uvalde Campus

Purpose

The purpose of the Automotive Technology program is to provide the students training in all eight areas of Automotive Service Excellence (A.S.E.) certification. These areas include: engine repair, automatic transmission/transaxle, manual drive train and axles, suspension and steering, brakes, electrical systems, heating and air conditioning, and engine performance. The goal of the program is for graduates to be employable as entry-level technicians in a service shop or dealership. At the completion of the one-year Certificate, two-year Certificate and/or the Associate of Applied Science (A.A.S.) degree, students will be required to take the appropriate A.S.E. Student Examinations.

Admission Requirements

Students are admitted to the Automotive Technology program through the regular college admission procedures (*see Admission Regulations section*). Students will receive a one-year Certificate, two-year Certificate and/or an A.A.S. degree upon satisfactory completion of the program of study and upon making formal application for graduation (*see Curricula section*).

The Automotive Technology program carries three award options, a one-year Certificate, a two-year Certificate, and an A.A.S. degree. College Board policy requires all students to take the Accuplacer examination. Students pursuing the one-year Certificate do not have to pass the Accuplacer exam; however, those not scoring at the READ 0302 level are encouraged to enroll in the appropriate developmental course(s).

Students who wish to pursue the two-year A.A.S. degree or the two-year certificate must meet all Texas Success Initiative (TSI) requirements.

AUTOMOTIVE TECHNOLOGY ONE-YEAR CERTIFICATE

Program of Study

	Fall Semester	<u>Credit</u>		Spring Semester	<u>Credit</u>
ORIE 0100π	New Student Orientation		AUMT 2434 ¹	Automotive Engine Performance Analysis II...4	
or			AUMT 1416	Automotive Suspension and Steering Systems4	
COLS 0300	College Success Skills		AUMT 1445	Automotive Heating and Air Conditioning.....4	
AUMT 1410	Automotive Brake Systems.....4				
AUMT 1407	Automotive Electrical Systems4				
AUMT 2417	Automotive Engine Performance Analysis I4				
				Total	12
	Total	12		Total Credit Hours for Certificate	24

Notes: 1 Capstone course that consolidates the student's learning experiences.
 π All students are required to take ORIE 0100 or COLS 0300; however, ORIE 0100/COLS 0300 do not count toward degree requirements.

AUTOMOTIVE TECHNOLOGY TWO-YEAR CERTIFICATE

Program of Study

FIRST YEAR

	Fall Semester	<u>Credit</u>		Spring Semester	<u>Credit</u>
ORIE 0100π	New Student Orientation		AUMT 2434 ¹	Automotive Engine Performance Analysis II...4	
or			AUMT 1416	Automotive Suspension and Steering Systems4	
COLS 0300	College Success Skills		AUMT 1445	Automotive Heating and Air Conditioning.....4	
AUMT 1410	Automotive Brake Systems.....4				
AUMT 1407	Automotive Electrical Systems4				
AUMT 2417	Automotive Engine Performance Analysis I4				
				Total	12
	Total	12			

SECOND YEAR

	Fall Semester	<u>Credit</u>		Spring Semester	<u>Credit</u>
AUMT 2413	Automotive Drive Train and Axles.....4		AUMT 2425	Automotive Automatic Transmission and Transaxle.....4	
AUMT 2421	Automotive Electrical Lighting and Accessories4		AUMT 2428	Automotive Service.....4	
AUMT 2443	Advanced Emission Systems Diagnostics4		AUMT 2280	Coop Educ – Automobile/Automotive Mechanics Technology/Technician.....2	
	Total	12		Total	10
				Total Credit Hours for Certificate	46

Notes: 1 Capstone course that consolidates the student's learning experiences.
 π All students are required to take ORIE 0100 or COLS 0300; however, ORIE 0100/COLS 0300 do not count toward degree requirements.

**AUTOMOTIVE TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE DEGREE**

		<u>Credit</u>
General Education Courses		
Social & Behavioral Sciences	3	
Humanities & Fine Arts	3	
Natural Science & Math	3	
Other	7	
Total General Education Courses		16
Technical Education Courses		46
Total Credit Hours for A.A.S.....		62

Program of Study

FIRST YEAR

<u>Fall Semester</u>		<u>Credit</u>	<u>Spring Semester</u>		<u>Credit</u>
ORIE 0100π or COLS 0300	New Student Orientation College Success Skills		AUMT 2434 AUMT 1416	Automotive Engine Performance Analysis II... Automotive Suspension and Steering Systems	4 4 4
AUMT 1410	Automotive Brake Systems	4	AUMT 1445	Automotive Heating and Air Conditioning.....	4
AUMT 1407	Automotive Electrical Systems	4	COSC 1401	Microcomputer Applications.....	4
AUMT 2417	Automotive Engine Performance Analysis I	4			
ELECTIVE	Humanities & Fine Arts	3		Total	16
	Total	15			
<u>Summer Session</u>		<u>Credit</u>			
ELECTIVE	Social and Behavioral Sciences.....	3			
ELECTIVE	Speech Communications	3			
	Total	6			

SECOND YEAR

<u>Fall Semester</u>		<u>Credit</u>	<u>Spring Semester</u>		<u>Credit</u>
AUMT 2413 AUMT 2421	Automotive Drive Train and Axles..... Automotive Electrical Lighting and Accessories	4 4 4	AUMT 2425 AUMT 2428 AUMT 2280 ¹	Automotive Automatic Transmission and Transaxle	4 4 2
AUMT 2443	Advanced Emission Systems Diagnostics	4		Cooperative Education – Automotive Mechanics Technology/Technician	2
ELECTIVE	College Level Mathematics	3			
	Total	15		Total	10
			Total Credit Hours for A.A.S.....		62

- Notes: 1 Capstone course that consolidates the student's learning experiences.
π All students are required to take ORIE 0100 or COLS 0300; however, ORIE 0100/COLS 0300 do not count toward degree requirements.

Tuition and Fees

Standard tuition and fees are assessed to each student as indicated in *Finances* section. Lab and uniform fees are also assessed (*see Course Descriptions*). Each student can also expect to purchase the following required textbooks and tools.

1 Tool Set* (*approximate cost*) \$700

* A tool list will be provided by instructor.

Textbooks (*approximate cost*) \$325