



Eastfield College

DALLAS COUNTY COMMUNITY COLLEGES

3737 Motley Drive
Mesquite, Texas 75150
www.efc.dcccd.edu

Eligibility Requirements & Mandatory Orientation for General Automotive Technology Program



The purpose of this program is to prepare students for entry-level employment as a automotive technician. It is expected that the student will enter the automotive industry workforce. This program reflects a building-block approach from simple to complex and includes theory, diagnosis, repair and maintenance of automobiles, including late model vehicles with electronic systems. Emphasis is placed on operational theory, practical skills and accepted shop procedures. <http://www.eastfieldcollege.edu/caat/AutoTech/index.asp>

Eligibility: In order to be eligible to enroll into the Eastfield College General Automotive Program, the student must complete the mandatory orientation program. This requires:

1. Completing an application for admission to Eastfield College.
2. Completing a degree/certificate plan request for AAS.AT.SERV.TECH or any of the certificates.
3. Meeting with an automotive advisor or faculty member.
4. Taking a college entrance examination (Accuplacer, THEA, MAPS, SAT, etc.). Applicant must score at a 0091 level or higher in **Reading and Writing** and 0090 in **Math** to be eligible for an interview. If an applicant does not meet the minimum standards, it is strongly suggested they take developmental courses until they meet minimum standards.
5. Applicants must take and pass the Bennett Mechanical Comprehension test with a minimum score of 40 in two or less attempts. If a student does not score a 40 or higher on their first attempt, he or she will have to wait one week before testing again.

EASTFIELD COLLEGE

General Automotive Program

In addition to Eastfield College's mission statement and goals, the objective of the General Automotive Program at Eastfield College is to provide the student with a solid education in automotive service and repair along with a positive rewarding experience while they are attending the program. In order to achieve this, and for students to be successful, we require our students to have discipline, excellent attendance, respect for self and others, excellent personal and work ethics, safety consciousness, and to be a participating member of our student body.

The General Automotive Program at Eastfield College is NATEF/ASE Certified. We strive for automotive excellence and expect our students to do the same. Our endeavor is to graduate the best-qualified automotive repair technicians, as required by industry.

Name	Title	Office	Phone
CAAT Division	OFFICE	T-143	972-860-7143
Gerald Kozlowski	CAAT Division Dean	T-143	972-860-7143
Johnnie Bellamy	Associate Dean	T-142	972-860-7619
Sue Byrd, Dr.	Academic Advising Coordinator	T-141	972-860-7671
Kevin Giles	General Program Coordinator	T-141A	972-860-7357
Elias Alba	Lead Instructor of AUMT	T-191	972-860-7053

AUTOMOTIVE TECHNOLOGY GENERAL AUTOMOTIVE CAREER TRAINING AAS 2010-2011

Before coming into the program, or concurrently in the first FALL semester, students will have to take one of the designated Electives.

<u>SEMESTER I</u>		LEC. HRS.	LAB. HRS.	EXT. HRS.	CONT. HRS.	CR. HRS.
AUMT 1305	Introduction to Automotive Technology	2	4	0	96	3
AUMT 1307	Automotive Electrical Systems	2	4	0	96	3
AUMT 2321	Automotive Electrical Lighting and Accessories	2	4	0	96	3
AUMT 2311	Automotive Electronic Controls	2	4	0	96	3
Total Hours:		8	16	0	384	12

<u>SEMESTER II</u>		LEC. HRS.	LAB. HRS.	EXT. HRS.	CONT. HRS.	CR. HRS.
AUMT 1316	Automotive Suspension and Steering Systems	2	4	0	96	3
AUMT 1310	Automotive Brake Systems	2	4	0	96	3
AUMT 1306	Automotive Engine Removal and Installation	2	4	0	96	3
AUMT 1345	Automotive Heating and Air Conditioning	2	4	0	96	3
Total Hours:		8	16	0	384	12

<u>SEMESTER III</u>		LEC. HRS.	LAB. HRS.	EXT. HRS.	CONT. HRS.	CR. HRS.
AUMT 2325	Automotive Automatic Transmission and Transaxle	2	4	0	96	3
AUMT 2332	Automotive Automatic Transmission and Transaxle II	2	4	0	96	3
AUMT 2313	Manual Drive Train and Axles	2	4	0	96	3
AUMT 2380	Cooperative Education-Automobile/Automotive Mechanics Technology/Technician	1	0	20	336	3
Total Hours:		7	16	20	720	12

<u>SEMESTER IV</u>		LEC. HRS.	LAB. HRS.	EXT. HRS.	CONT. HRS.	CR. HRS.
AUMT 1319	Automotive Engine Repair	2	4	0	96	3
AUMT 2317	Automotive Engine Performance Analysis I	2	4	0	96	3
AUMT 2334	Automotive Engine Performance Analysis II	2	4	0	96	3
AUMT 2381	Cooperative Education-Automobile/Automotive Mechanics Technology/Technician	1	0	20	336	3
+++Elective	Humanities/Fine Arts	3	0	0	48	3
Total Hours:		12	16	20	432	18

<u>SEMESTER V</u>		LEC. HRS.	LAB. HRS.	EXT. HRS.	CONT. HRS.	CR. HRS.
ENGL 1301	Composition I	3	0	0	48	3
SPCH 1311	Introduction to Speech Communication	3	0	0	48	3
++++Elective	Social/Behavioral Sciences	3	0	0	48	3
+Elective	Any 3 or 4 credit MATH course OR	3-4	0	0	48-64	3-4
TECM 1341	Technical Algebra AND	(3)	(0)	(0)	(48)	(3)
++Elective	Natural Science	(3)	(3)	(0)	(96)	(4)
Total Hours:		12-15	0-3	0	192-288	12-16

GRAND TOTAL: **1920-2016** **63-67**

+Elective – any student enrolling in TECM 1341 must take one Natural Science course from the DCCCD Natural Science Core list. Other college level MATH meets the requirement for MATH and Natural Sciences.

++Natural Science Elective – any student enrolling in TECM 1341 must take one Natural Science course selected from the DCCCD Natural Science Core list.

+++Elective – A minimum of six credit hours of cooperative work experience courses must be selected from the following list.

	LEC. HRS.	LAB. HRS.	EXT. HRS.	CONT. HRS.	CR. HRS.
AUMT 2380 Cooperative Education-Automobile/Automotive Mechanics Technology/Technician	1	0	20	336	3
AUMT 2381 Cooperative Education-Automobile/Automotive Mechanics Technology/Technician	1	0	20	336	3

AT LEAST ONE ASE TEST IS REQUIRED DURING Co-op

++++Elective - Must be selected from the DCCCD Core Curriculum for Humanities/Fine Arts.

++++Elective - Must be selected from the DCCCD Core Curriculum for Social/Behavioral Sciences.

*AUMT 2380/2381 Cooperative Education-Automobile/Automotive Mechanics Technology/Technician is the capstone course for this award.

NOTE: Some students enrolling in this program may plan to transfer to four year institutions. They should consult with an advisor or counselor regarding transfer requirements and to identify how courses will transfer to the four year institution of their choice.

AUTOMOTIVE TECHNOLOGY -- General Automotive Program Four Certificates 2011-2012

Certificates:

- **Chassis Service Technician Certificate**
 - AUMT 1305 Introduction to Automotive Technology
 - AUMT 1307 Automotive Electrical Systems
 - AUMT 1310 Automotive Brake Systems
 - AUMT 1316 Automotive Suspension and Steering Systems
 - AUMT 2380 Cooperative Education-Automobile/Automotive

- **Electronics & Climate Controls Technician Certificate**
 - AUMT 1305 Introduction to Automotive Technology
 - AUMT 1307 Automotive Electrical Systems
 - AUMT 2321 Automotive Electrical Lighting and Accessories
 - AUMT 1345 Automotive Heating and Air Conditioning
 - AUMT 2311 Automotive Electronic Controls
 - AUMT 2381 Cooperative Education-Automobile/Automotive

- **Engine Repair & Performance Technician Certificate**
 - AUMT 1305 Introduction to Automotive Technology
 - AUMT 1307 Automotive Electrical Systems
 - AUMT 1306 Automotive Engine Removal and Installation
 - AUMT 1319 Automotive Engine Repair
 - AUMT 2317 Automotive Engine Performance Analysis I
 - AUMT 2334 Automotive Engine Performance Analysis II
 - AUMT 2311 Automotive Electronic Controls
 - AUMT 2381 Cooperative Education-Automobile/Automotive
 - Elective +++

- **Transmission Service Technician Certificate**
 - AUMT 1305 Introduction to Automotive Technology
 - AUMT 1307 Automotive Electrical Systems
 - AUMT 2325 Automotive Automatic Transmission and Transaxle
 - AUMT 2313 Manual Drive Train and Axles
 - AUMT 2332 Automotive Automatic Transmission and Transaxle II
 - AUMT 2380 Cooperative Education-Automobile/Automotive

+++Designated Elective must be selected from the following:

- ENGL 1301 Composition I 3 credit hours**
- SPCH 1311 Introduction to Speech Communication 3 credit hours**
- TECM 1341 Technical Algebra3 credit hours**
- MATH XXXX Any 3 or 4 credit Math course.....3-4 credit hours**
- ITSC 1401 Introduction to Computers4 credit hours**
(COSC 1301 may be substituted for this requirement at EFC)

Tuition Costs

Course	Credit Hours	*In District Price \$45 per credit hour	*Out of District Price
AUMT 1305 Introduction to Automotive	3	\$135.00	\$249.00
AUMT 1307 Automotive Electrical Systems	3	\$135.00	\$249.00
AUMT 1310 Automotive Brake Systems	3	\$135.00	\$249.00
AUMT 1316 Automotive Suspension & Steering System	3	\$135.00	\$249.00
AUMT 1306 Automotive Engine Removal & Installation	3	\$135.00	\$249.00
AUMT 1319 Automotive Engine Repair	3	\$135.00	\$249.00
AUMT 2311 Automotive Electronics Controls	3	\$135.00	\$249.00
AUMT 1345 Automotive Heating & A/C	3	\$135.00	\$249.00
AUMT 2317 Engine Performance Analysis I	3	\$135.00	\$249.00
AUMT 2334 Engine Performance Analysis II	3	\$135.00	\$249.00
AUMT 2321 Automotive Electrical Lighting and Accessories	3	\$135.00	\$249.00
AUMT 2313 Manual Drive Train & Axles	3	\$135.00	\$249.00
AUMT 2325 Automatic Transmission & Transaxle	3	\$135.00	\$249.00
AUMT 2332 Automatic Transmission & Transaxle	3	\$135.00	\$249.00
AUMT 2380 Coop Education	3	\$135.00	\$249.00
AUMT 2381 Coop Education	3	\$135.00	\$249.00
Elective (Example Speech or Computer)	3	\$135.00	\$249.00
Total for Automotive Classes	48	\$2,295.00	\$4,233.00

* Tuition is based on DCCCD Board of Director's approval amount and may be subject to change in any program year.

- Books approximately \$350. Books must be purchased before the 1st day of class.
- Student will be required to wear a General Automotive shirt to class
- General Automotive shirts will be worn with either blue jeans or work type pants. No shorts.
- All shoes must be closed toe.
- Student are required to have either a laptop or tablet
- Estimated cost of ASE test is \$80.

General Automotive Program Orientation Check Sheet

Student _____

Student ID# _____

Email # _____

Cell Phone # _____

Each item must be completed and signed off by an Automotive Faculty or advisor before being able to sign up for automotive classes.

1. Meet with CT Division advisor or Automotive Faculty to discuss program.

_____ Advisor or Faculty _____ Date

2. Receive General Automotive Technology Mandatory Orientation packet. YES NO

3. Fill out the following forms and turn into Admissions, C119, in C Bldg. or go to <https://www1.dcccd.edu/stuapp/>

Application for Admission YES NO

Degree/Certificate Plan Request YES NO

4. Go to Dr. Sue Byrd in T-141 or Johnnie Bellamy in T-142 for referral for Accuplacer or THEA. **The scores from the test will determine eligibility to enroll in the General Automotive program. All applicants for Eastfield College's General Automotive program must test unless previously transcript scores are available. Applicants must score at a 0091 level or higher in Reading and Writing and 0090 in Math to be eligible for an interview.**

Reading _____ Writing _____ Math _____

5. Go to C-114, Assessment Testing Center; take the Bennett Mechanical Comprehension test.

Minimum score of 40 within two tries to be accepted into the program. Score _____

6. Is the goal of the applicant to be employed in the automotive industry? YES NO

7. Does the applicant understand that many automotive repair facilities require a valid Social Security Number and lack of one could bar employment YES NO

8. Does the applicant have a valid Social Security number? YES NO

9. Can the applicant pass a drug test? Failing to pass drug test may bar employment. YES NO

10. Does the applicant have a felony record? A felony record could bar employment. YES NO

11. Does the Applicant understand that their driving record could bar employment in the automotive industry? YES NO

- A. Has a valid driver's license? _____
- B. DWI or DUI Conviction? _____
- C. How many moving violations? _____
- D. More than three moving violations within 3 years? _____

13. The applicant must understand that the General Automotive Program has a strict attendance policy.
A. Does the applicant have reliable transportation? YES NO
B. Does the applicant have reliable alternate transportation? YES NO

14. The applicant must understand that classes start at 7:30 a.m. and end at 1:20 p.m.
Can the applicant be in the classroom by 7:30 a.m. and stay until 1:20 p.m. YES NO

15. All paperwork and test results completed. YES NO

16. Student must write a short essay regarding the following points: YES NO

- Reason for choosing the General Automotive Program
- Future plans or aspirations in the Automotive Industry
- Plans or preparations that will make them successful in the industry

Please write essay on the last page of the application packet

17. Student must understand that books are required on the first day of class.

18. Student has read the General Automotive Technology Program orientation packet and **UNDERSTANDS and ACCEPTS** the requirements of the General Automotive program at Eastfield College.

Student Signature: _____

Date: _____ Time: _____

Fall Classes enrolled:

- 1305 Introduction to Automotive
- 1307 Automotive Electrical System
- 2321 Automotive Lighting & Accessories
- 2311 Electronics

Enrolled by: _____ Date: _____

