

DIESEL 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	6
Total General Education Courses	15
Technical Education Courses	45
Total Credit Hours for A.A.S.	60

Program of Study

FIRST YEAR

	<u>Fall Semester</u>	<u>Credit</u>	<u>Spring Semester</u>	<u>Credit</u>
ORIE 0100< or COLS 0300	New Student Orientation College Success Skills		DEM R 1349 Diesel Engine II	3
			DEM R 1417 Basic Brake Systems	4
			DEM R 1421 Power Train I	4
			COSC 1301 Microcomputer Applications	3
DEM R 1406	Diesel Engine I	4		
DEM R 1405	Basic Electrical Systems	4		
DEM R 1301	Shop Safety and Procedures	3		
ELECTIVE	Humanities & Fine Arts	3		
	Total	14		
			Total	14
	<u>Summer Session</u>	<u>Credit</u>		
ELECTIVE	Speech Communications	3		
ELECTIVE	Social and Behavioral Sciences	3		
	Total	6		

SECOND YEAR

	<u>Fall Semester</u>	<u>Credit</u>	<u>Spring Semester</u>	<u>Credit</u>
DEM R 1423	Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair	4	DEM R 1330 Steering and Suspension I	3
DEM R 1447	Power Train II	4	DEM R 2348 Failure Analysis	3
DEM R 1310	Diesel Engine Testing and Repair I	3	DEM R 2432 Electronic Controls	4
ELECTIVE	College Level Mathematics	3	DEM R 2281 ¹ Cooperative Education – Diesel Mechanics Technology/Technician	2
	Total	14		
			Total	12
			Total Credit Hours for A.A.S.	60

Notes: 1 Capstone course that consolidates the student's learning experiences.
< 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*) \$600

* A tool list will be provided by instructor.

Textbooks (*approximate cost*)\$225

LAW ENFORCEMENT ACADEMY

Purpose

The purpose of the Middle Rio Grande Regional Law Enforcement Academy's Basic Peace Officer course, a 704 hour course of study, is to prepare prospective law enforcement officers for the Texas Commission on Law Enforcement TCOLE Certification Exam. The Academy also offers TCOLE in-service courses at both intermediate and advanced levels for the purpose of enhancing the Peace Officers' level of proficiency and meeting training requirements. Students who successfully complete the Academy will earn a Level 1 Certificate in Criminal Justice And will be able to sit for the TCOLE Basic Peace Officer State Exam. In addition, upon successful completion, the student may apply the Level 1 Certificate towards the Criminal Justice Associate of Applied Science (AAS – Basic Peace Officer option).

Admission Requirements – Basic Peace Officer Program

To be admitted, a prospective student must comply with TCOLE rule 217.23 <http://tcole.texas.gov/> in addition:

- be a U.S. citizen.
- be 20.5 years of age (18 w/60 college hours or 2 yrs. active duty).
- must have High School Diploma or GED
- have no felony conviction.
- have no conviction of Class B misdemeanor in the past 10 years.
- not currently be under indictment for any violation.
- have never been convicted of any level of Family Violence.
- not be prohibited by Federal or State law from operating a motor vehicle.
- not be prohibited by Federal or State law from possessing firearms or ammunition.
- must have taken the Ability to Benefit (ATB) TSI Assessment, and must have scored a minimum of 55 on the reading and 60 on the writing portions of the test. If a student has passed all sections of the TSI Assessment or TSI Assessment, those scores will be accepted in place of Ability to Benefit TSI Assessment scores. Individuals who have Military Exemption or individuals with a B.S. or B.A. degree or higher will not be required to test.
- complete an SWTJC Application for Admission.
- submit a completed Criminal History Check form (FAST form).
- be physically sound for the performance of duty appropriate to the type of license sought. Submit Physician, psychological and Drug Screening results (TCOLE L-2 & L-3 Forms).

A student who has completed all coursework for the A.A.S. Criminal Justice degree except for “Basic Peace Officer” courses (CJLE 1506, CJLE 1512, CJLE 1524, and CJLE 1518) may apply to the Middle Rio Grande Law Enforcement Academy in order to complete these courses.