

**Associate in Applied Science in General Technology  
Diesel Mechanics Option  
(EDGE/Cooperative Program with Career/Technical Centers)**

The Associate in Applied Science in General Technology: Diesel Mechanics Option is an EDGE/ collaborative program between WVSCCTC and Career/Technical Centers. Students who complete the Diesel Mechanics Program and transfer to WVSCCTC will be granted 30 credit hours toward the A.A.S. in General Technology: Diesel Mechanics Option upon completion of all courses (with a grade of C or better) in the Diesel Mechanics program and a passing score of 75% or above on the state exam.

**Careers for Diesel Mechanics**

The program prepares the graduates for employment and/or further on-the-job training in the field of maintenance, service, and principles of operation of diesel engines. Typical jobs for graduates of this program may include:

- Maintenance and service of diesel engines
- Diagnostic operations of diesel engines
- Inspection and overhaul of diesel engines

For More Information, Contact  
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**Program Learning Outcomes**

Upon completion of this program the student will be able to:

1. Pursue careers in diesel mechanics.
2. Construct, maintain, and service small diesel engines.
3. Explain the fundamentals of the diesel electrical system.
4. Identify the electronic engine controls and repair air conditioning systems.
5. Inspect the support systems used in diesel equipment technology.
6. Describe the engine components used in diesel equipment technology.
7. Inspect medium and heavy trucks for preventative maintenance.

**Curriculum/Suggested Sequence**

(62-63 hours required for graduation) / (30 hours transfer from career center)

**FIRST SEMESTER**

COLL 101	College 101	3
HUM 101	Intro to Humanities	3
ENGL 101	English Composition I <b>OR</b>	
ENG 110	English Composition I	3
MATH 100	Intermediate Algebra <b>OR</b>	
BST 104	Business Math	3
Elective	Restricted Elective	<u>3</u>
	<b>Total Credits</b>	<b>15</b>

**SECOND SEMESTER**

ENG 120	Technical Writing <b>OR</b>	
BST 230	Bus Comm & Ethics	3
CS 106	Intro to Com & Office Appl <b>OR</b>	
BST 240	Fund of Computer Tech	3
BST 298	Business Studies Seminar	1
Elective	Natural Science Elective	4-5
Elective	Social Science Elective	3
Elective	Restricted Elective	<u>3</u>
	<b>Total Credits</b>	<b>17-18</b>

**Restricted Electives:** Choose any two courses

BST 106, 151, 205, 255, 202, 180, CO-OP, and other courses as approved by Program Director

**Natural Science Electives:**

BIO 101, CHEM 101, PHYS 191 & 203, 201 & 203

**Social Science Electives:**

SOC 101, POSC 100, POSC 101, PSYC 151, ECON 201, ECON 202

**Career/Technical Courses-Transfer 30 credit hours to WVSCCTC**

WVEIS Code 1741	Electronic Engine Concepts	4	WVEIS 1949	Diesel Truck Chassis Const II	5
WVEIS Code 1742	Electrical Systems	4	WVEIS 1751	Fund of Diesel Equip Tech	3
WVEIS Code 1743	Diesel Engine Tune-Up	4			
WVEIS Code 1744	Electronic Engine Controls	3			
WVEIS Code 1745	Diesel Prevent/Maintenance & Inspec	3			
WVEIS Code 1747	Diesel Support Systems	4			

