2024-25 Bates Technical College Catalog Addendum

DIESEL AND HEAVY EQUIPMENT TECHNICIAN AAS (103 CREDITS)

CIP Code

Remove TRUCK 120 from electives options

47.0605

Plan Code: DMTDEAPT

- 6 quarter AAS
- Maximum class size: 18
- Student to teacher ratio: 9:1
- Enrollment point: Fall, Winter, Spring, Summer
- This program is primarily face-to-face with some online, hybrid, and web-enhanced courses. See course details for more information.
- In this program, students will use various manner of heavy duty truck and equipment including engines, transmissions, hydraulic and electrical components, and other industry associated equipment.
- Students are responsible for purchasing their own standard hand tools commonly found in industry, PPE: eye protection, shoes and clothing appropriate for the environment.

General Education Requirements

- 5 credits of COLL 101 College Success *
- 5 credits from the Quantitative Distribution

And

- 5 credits from the Communications Distribution OR Sciences and Humanities Distribution

**Note: COLL 101 fulfills either Communications or Humanities*

***Note: Students who have previously attended college or university may qualify to opt-out of the COLL 101 requirement. Please speak with your career advisor if you believe this may be an option for you. Students opting out of the COLL 101 course must take 5 credits from each of the three distributions: Communications, Quantitative, and Sciences/Humanities*

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Required Courses

Quarter 1, 2, 3, or 4

DIESL 100	Basic Electrical Systems	5
DIESL 112	Electrical Systems Application	4
DIESL 113	Electronic Engine Systems	3
DIESL 114	Mobile Air Conditioning Systems	3

GENED	*COLL 101 (1st Quarter) or Other General Education Course*	*5*

Quarter 1, 2, 3, or 4

DIESL 105	Introduction to Diesel Technology	1
DIESL 106	Engine Construction	5
DIESL 107	Engine Systems	1
DIESL 108	Engine Reassembly	4
DIESL 109	Fuel Systems	2
DIESL 110	Introduction to Air Brakes	2

GENED	*COLL 101 (1st Quarter) or Other General Education Course*	*5*

Quarter 1, 2, 3, or 4

DIESL 115	Introduction to Power Trains	1
DIESL 117	Automated Manual Transmission Service	2
DIESL 118	Clutch Service	2
DIESL 119	Automatic Transmission Service	2
DIESL 120	Driveline Service	1
DIESL 121	Differentials/Final Drive	2
DIESL 122	Wheel End Service	1
DIESL 123	Service Manual Transmissions	4

GENED	*COLL 101 (1st Quarter) or Other General Education Course*	*5*

Quarter 1, 2, 3, or 4

DIESL 130	Basic Hydraulics	5
DIESL 131	Hydraulics II	5
DIESL 132	Steering Systems	3
DIESL 133	Suspension Systems	2

Quarter 5

DIESL 155	Basic Vehicle Services	8
DIESL 206	Advanced Service Applications	7

Quarter 6 - Electives

Choose courses to total a minimum of 13 credits:

DIESL 208	Advanced Service Techniques	7
DIESL 291	Practical Applications	1-13
DIESL 292	Independent Projects	1-5
DIESL 293	Independent Projects II	1-5
DIESL 296	Work-based Learning Experience	1 to 13
~~TRUCK 120~~	~~Commercial Truck Driving - Class B~~	~~8~~
WBAS 101	Welding Basics	8

Remove

TOTAL CREDIT HOURS: 103