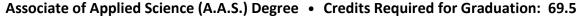
Diesel Technology • Option for Automotive Technology Graduates

Semester Course Outline • 2024 - 2025

18 Months (4 Semesters) • Revised: 1/17/24





Diesel Technology courses are taught in a sequential manner, therefore all first year course work must be completed before a student is eligible to enroll in their second year.

First Year - Fall Semester

Course Number	Course Title	Clock Hours	Credits
DT 107	Welding Technologies	28	1
DT 117	Shop Management	28	1
DT 137	Powertrains I	84	3
DT 147	Hydraulics	84	3
DT 155	Preventive Maintenance and Inspection	84	3
	Total	224	11

Students may transfer in 6.5 credits of equivalent courses (prior learned) for the following:

ECON 105 - Leadership in the Global Workplace

ECON 201 - Principles of Microeconomics I

ECON 202 - Principles of Macroeconomics II

SOC 100 - Introduction to Sociology

To meet full-time student eligibility for Financial Aid, which is 12 credits, students may select any Agriculture courses as electives.

First Year - Spring Semester

Course Number	Course Title	Clock Hours	Credits
DT 126	Multi-cylinder Engine Overhaul	84	3
DT 152	Powertrains II	56	2
DT 165	Heating, Ventilation, and Air Conditioning (HVAC)	84	3
DT 179	Diesel Engines I A	42	1.5
DT 184	Diesel Engines I B	42	1.5
CSC 182	Technician Software	56	2
	Total	364	13

Students may transfer in 5 credits of equivalent courses (prior learned) for the following:

MATH 100 - Applied General Math

MATH 101 - Intermediate Algebra

MATH 114 - College Algebra

To meet full-time student eligibility for Financial Aid, which is 12 credits, students may select any Agriculture courses as electives.

Diesel Technology • Option for Automotive Technology Graduates • Page 2 Semester Course Outline • 2024 – 2025 • Revised: 1/17/24



Second Year - Fall Semester

Course Number	Course Title	Clock Hours	Credits
DT 210	Diesel Engines II	84	3
DT 237	Fuel Systems Tune-up and Troubleshooting	84	3
DT 247	Emission Systems	84	3
	Total	280	9

Students may transfer in 6 credits of equivalent courses (prior learned) for the following:

PSYC 100 - Psychology of Human Relations

PSYC 101 - General Psychology

To meet full-time student eligibility for Financial Aid, which is 12 credits, students may select any Agriculture courses as electives.

• Second Year - Spring Semester Ag/Industrial Tractor Option

Course Number	Course Title	Clock Hours	Credits
DT 245	Hydraulic System Diagnostics	112	4
DT 278	Combine Hydraulic and Electrical Familiarization	56	2
DT 282	Tractor Shop Production	168	6
DT 291	Tractor Electronic Controls/Global Positioning Systems and Auto Steer	84	3
	Total	407	15

Students may transfer in 4 credits of equivalent courses (prior learned) for the following:

DT 246 – Heating, Ventilation, and Air Conditioning Testing (HVAC)1 credit

Communications Course Taken3 credits

CMST 101 – Foundations of Communication (CSS 100 – Career Search Strategies .5 credit)

COMM 101 – Communications and Career Strategies

ENGL 101 – Composition (CSS 100 – Career Search Strategies .5 credit)

To meet full-time student eligibility for Financial Aid, which is 12 credits, students may select any Agriculture courses as electives.

Diesel Technology • Option for Automotive Technology Graduates • Page 3 Semester Course Outline • 2024 – 2025 • Revised: 1/17/24



■ Second Year - Spring Semester - Truck Option

Course Number	Course Title	Clock Hours	Credits
DT 216	Truck Suspension and Steering (must transfer in 2 credits of prior learning to meet 4 credits)	56	2
DT 217	Truck Brake Systems	112	4
DT 229	Electronic Engine Controls	112	4
DT 231	Truck Drivetrains	70	2.5
	Tota	351	12.5

Students may transfer in 6.5 credits of equivalent courses (prior learned) for the following:

DT 246 – Heating, Ventilation, and Air Conditioning Testing (HVAC).......1.5 credit

Social Science Course Taken3 credits

ECON 105 - Leadership in the Global Workplace

ECON 201 - Principles of Microeconomics I

ECON 202 - Principles of Macroeconomics II

SOC 100 - Introduction to Sociology

To meet full-time student eligibility for Financial Aid, which is 12 credits, students may select any Agriculture courses as electives.

- Students who choose the Tractor Option can transfer in 25 credits of prior learning courses.
- Students who choose the Truck Option can transfer in 27 credits of prior learning courses.

Elective Courses

SCT 100 Solar Car Team – With the instructor's approval, SCT 100 may be substituted for up to 6 credits of course work or taken as an additional elective.

CDL Testing and/or AED Testing – A student may transfer in up to 1 credit for CDL testing and/or AED testing. This will be approved by the Diesel Department Supervisor and the Lake Area Tech Registrar.

All optional courses not listed on your current program outline must be approved by your adviser and appropriately identified on the current program semester outline of any Ag option.