

Medium/Heavy Diesel Technology

Post-Secondary Opportunities Information

POST-SECONDARY OPPORTUNITIES

- Dual enrollment credits provide a seamless pathway to a Certificate of Completion (CCL) Diesel Technician, an Associate in Applied Science (AAS) in Diesel Technician, and a Bachelor of Interdisciplinary Sciences (BIS) in Industrial Leadership at NAU.
- ASU Bachelor of Applied Science (BAS) Degree options

COURSES AND CREDITS

Yavapai College Dual Enrollment Credits are available at Northeast Campus
Dual Enrollment is not available to high school graduates and students with a GED.

- 1st Semester (\$528.00)
 - AUT103 Auto/Diesel Preventative Maintenance (4 credits)
 - AUT126 Auto/Diesel Steering & Suspension (4 credits)
- 2nd Semester (\$528.00)
 - AUT124 Auto/Diesel Manual Drive Trans (4 credits)
 - AUT135 Diesel Braking Systems (4 credits)
- 3rd Semester (\$528.00)
 - AUT108 Engine Repair Technology (4 credits)
 - AUT109 Auto/Diesel Electrical Systems (4 credits) *this course is a pre-requisite for the AUT225 course*
- 4th Semester (\$792.00)
 - AUT128 Auto/Diesel Heating & Air Conditioning (4 credits)
 - AUT225 Diesel Engine Performance (4 credits)
 - AUT230 Adv. Light/Medium Duty Diesel Diagnosis 1500-4500 Series (4 credits)

COST REQUIREMENTS

- \$66 per credit hour due soon after the classes begin
 - Cost based upon meeting Arizona residency and U.S. citizen/legal residency criteria
- For dual enrollment grant availability, check with campus counselor
- Courses taken under dual enrollment may impact federal financial aid eligibility. To obtain additional information, students are encouraged to inquire with the college or university where they intend to enroll

ENROLLMENT INFORMATION

- Students that withdraw from the West-MEC program may receive college credit based on the number of completed courses.
- In a post-secondary setting, students are responsible for learning the policies of the institution to ensure that credits transfer to fulfill specific degree requirements. Visit www.aztransfer.com for Arizona colleges and universities
- Dual Enrollment credits on each campus may vary based on West-MEC faculty qualifications.



Automotive Technology

Post-Secondary Opportunities Information

» West-MEC 2022-23

Northern Arizona University Pathway to Bachelor Degree- please see next page



Program information may change as West-MEC strives to provide the best opportunities for students. Refer to www.west-mec.edu for most current information. Program is taught by industry certified instructors. West-MEC does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations.

Revised 9/8/2021

Diesel Technology West-MEC to Associate in Applied Science Diesel Technician - YC to Bachelor of Interdisciplinary Studies in Industrial Leadership 90/30 - NAU
Unofficial Pathway Worksheet – 2020-2021

AAS Diesel Technician

Course #	Course Title	Credits	Completed
West-MEC Dual Enrollment - Medium/Heavy Diesel Technology			
AUT 100	Auto/Diesel Preventative Maintenance	2	
AUT 108	Engine Repair Technology	4	
AUT 109	Auto/Diesel Electrical Systems	4	
AUT 128	Auto/Diesel Heating & Air Conditioning	4	
AUT 124	Auto/Diesel Manual Drive Trans	4	
AUT 126 (Option A)	Auto/Diesel Steering & Suspension	4	
AUT 135	Diesel Braking Systems	4	
AUT 225	Diesel Engine Performance	4	
	TOTAL	30	
Yavapai College			
AGS 101 or CSA 126	Microcomputers in Agriculture or Microsoft Office for Windows	3	
WLD 113	Basic Welding II	2	
Option A: Diesel Technician			
MET 160	Basic Machine Hydraulics and Pneumatics	2	
Option B: Mining Diesel Technician			
AUT 295	Apprenticeship: Diesel NOTE: Take AUT 295 4 times for total of 12 credits	12	
MET 116	Rigging	1	
MET 150	Surface Mine Safety Training	1	
MET 160	Basic Machine Hydraulics and Pneumatics	2	
	TOTAL	7-21	
AGEC Requirements			
Course #	Course Title	Credits	Completed
ENG 101	English	3	
ENG 102	English	3	
MAT 14x or higher	Mathematics - Recommend 4+ credit math class to meet NAU requirements.	4-5	
BIO 105	Physical and Biological Sciences	4	
	Physical and Biological Sciences	4	
	Arts and Humanities - Select from at least 2 different prefixes*	3	
	Arts and Humanities - Select from at least 2 different prefixes*	3	
	Social and Behavioral Sciences - Select from at least 2 different prefixes*	3	
	Social and Behavioral Sciences - Select from at least 2 different prefixes*	3	
COM 131	Communication	3	
COM 100, 134, 200 or 271	Options (complete any course from the above categories to fulfill this requirement.)	3-6	
NAU Interdisciplinary Studies Requirements			
CSA 110	Introduction to Computer Information Systems	3	
CNT, CSA, or CSC Prefix	2nd Computer Literacy more advanced than CSA 110	MET AAS	
	*Complete a course from each of the Special Awareness areas: IWR, ERG, GIH	39-43	
	TOTAL		
Electives to reach 90 credits			
Course #	Course Title	Credits	Completed
	TOTAL	0-14	

NOTE: West-MEC dual/concurrent enrollment credits can transfer to any degree at NAU, this is the recommended pathway for students pursuing the AAS in Diesel Technician. West-MEC dual/concurrent enrollment credits will transfer as electives.

BIS Industrial Leadership 90/30 Required Core			
Course #	Course Title	Credits	Completed
Northern Arizona University - Estrella Mountain or Mesa Community College			
LEA 300W	Requisites for Effective Leadership Communications	3	
LEA 325	Frontline Leadership in Industrial Organizations I	3	
LEA 335	Creative Problem Solving & the Industrial Leader	3	
LEA 303	Management for this Millennium	3	
LEA 388	Leading and Managing Human Capital	3	
LEA 345	Project Leadership	3	
LEA 425	Frontline Leadership in Industrial Organizations II	3	
LEA 435	Data Driven Decision-Making for Industrial Leaders	3	
LEA 422	Managing High Performance Teams	3	
LEA 445C	Senior Capstone-Industrial Leadership	3	
Total Credits: 120		Total: 30	

Graduation Credit Summary	
Requirement	Credit
Dual Enrollment	30
Required Coursework	7-21
AGEC + NAU Interdisciplinary Studies Requirement	39-43
Electives	0-14
NAU Core Classes	30
TOTAL CREDITS NEEDED TO GRADUATE	120

NAU NORTHERN ARIZONA UNIVERSITY

Take classes with NAU Online for 1 more year and complete a Master's degree

<u>Master in Organizational Leadership</u>			
Course #	Course Title	Credits	Completed
Northern Arizona University			
MOL 515	Principles of Leadership	3	
MOL 555	Diversity, Conflict and Communication	3	
MOL 530	Strategic Planning, Implementation and Evaluation	3	
MOL 581	Introduction to Project Management	3	
MOL 689	Capstone Project	3	
Choose 1 Emphasis			
Project Management -OR- Organizational Leadership - OR - Leadership in Justice Administration		15	
Total:		30	

YC & West-MEC - Diesel Technician Program

at West-MEC's Northeast Campus



- Yavapai College credits are earned after completing the semester with a passing grade (C or better).
- HS credits will be awarded at the end of each semester.

Medium/Heavy Diesel Technology I and II (HS title)					
Program	Courses	Term	HS Credits	YC Credits	Industry / 3rd Party Certification available for students to complete
Year 1 PM 4:00 - 6:30	AUT 103 - Automotive/Diesel Preventative Maintenance	Sem 1 - Fall	1.5	4	ASE - Suspension & Steering ASE - Brakes
	AUT 126 - Auto/Diesel Steering & Suspension	Sem 1 - Fall		4	
	AUT 124 - Auto/Diesel Manual Drive Trans	Sem 2 - Spring	1.5	4	
	AUT 135 - Diesel Braking Systems	Sem 2 - Spring		4	
		Total Cr Yr1	3	16	
Year 2 PM 1:00 - 3:30	AUT 108 - Diesel Engine Repair Technology	Sem 3 - Fall	1.5	4	ASE - Diesel Engine ASE - Electrical ASE - Inspection Maintenance & Minor Repair
	AUT 109 - Auto/Diesel Electrical Systems NOTE: This class is a prerequisite for AUT 225 in Year 2.	Sem 3 - Fall		4	
	AUT 128 - Auto/Diesel Heating & Air Conditioning	Sem 4 - Spring	1.5	4	
	AUT 225 - Diesel Engine Performance	Sem 4 - Spring		4	
	AUT 230 - Advanced Light/Medium Duty Diesel Diagnosis 1500-4500 Series	Sem 4 - Spring		4	
		Total Cr Yr2	3	20	
Total Credits Earned if the Program is Completed Successfully			6	36	Updated May 23, 2023

If students complete four additional courses (listed below) along with 19 specific General Education credits after and/or during the completion of their high school program, they will earn the Yavapai College Diesel Technician Associate of Applied Science (with the Diesel Technician Concentration).

Additional program requirement courses needed: AUT 208 - Advanced Diesel Engine Repair (4 credits), AIT 115 - Hydraulic Systems (3 credits), WLD 113 - Basic Welding II (2 credits) and CSA 126 - Microsoft Office for Windows (3 credits).

General Education Requirements needed: College Composition or Applied Communication (6 credits), Mathematics (3 credits), Physical & Biological Sciences (4 credits), and Arts & Humanities and/or Social & Behavioral Sciences (6 credits).