

# Automotive Technology

## Post-Secondary Opportunities Information

» West-MEC 2023-24

### POST-SECONDARY OPPORTUNITIES

#### Maricopa Community Colleges and Arizona Public Universities opportunities

- Dual enrollment credits provide a seamless pathway to an Associate in Applied Science (AAS) in Automotive Technology and a Bachelor of Interdisciplinary Studies (BIS) in Industrial Leadership at NAU.
- ASU Bachelor of Applied Science (BAS) Degree options

#### Universal Technical Institute (UTI) opportunities

- Eligible West-MEC Automotive Technology Program completers qualify for the following opportunities through a partnership with Universal Technical Institute (UTI) when enrolling in any UTI Automotive Technologies Program within one (1) year of West-MEC program completion:
- Advanced Placement and corresponding tuition credit for the following UTI courses:

Automotive Technologies I: Automotive Engines & Repair DADC101; Automotive Undercar DADC128; Braking Systems DADC107  
Automotive Technologies II: Intro to Engines AD12 101; Intro Auto Science Undercar Systems AD12 103; Braking System AT12 152

- 10% tuition reduction for the full UTI program for which they enroll; tuition reduction may be combined with other UTI grants or scholarships for which a student is eligible.

### COURSES AND CREDITS

Glendale Community College Dual Enrollment Credits are available at Northeast ( limited opportunities) , Northwest, and Southwest Campuses

Dual Enrollment is not available to high school graduates and students with a GED.

- 1st Semester (\$403.00)
  - ASE160 Intro to Automotive Electrical (4 credits)
- 2nd Semester (\$403.00)
  - ASE150 Automotive Brake Systems (4 credits)
- 3rd Semester (\$403.00)
  - ASE180 Intro to Engine Management (4 credits)
- 4th Semester (\$403.00)
  - ASE140 Automotive Steering, Suspension & Alignment (4 credits)



Program information may change as West-MEC strives to provide the best opportunities for students. Refer to [www.west-mec.edu](http://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 6/14/2023

## Post-Secondary Opportunities Information

### COST REQUIREMENTS

- \$15 registration fee per semester
- \$97 per credit hour due soon after classes begin
  - Cost based upon meeting Maricopa residency and U.S. citizen/legal residency criteria (Must complete "Maricopa Community Colleges Student Declaration of Citizenship or Status" form. Visit [www.maricopa.edu/residency](http://www.maricopa.edu/residency))
- For dual enrollment grant availability, check with the Maricopa Community Colleges and West-MEC.
- 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](http://www.aztransfer.com) for Arizona colleges and universities.
- Dual Enrollment credits on each campus may vary based on West-MEC faculty qualifications.

#### UTI Enrollment

- West-MEC Automotive Technology students are advised to research this post-secondary option, discuss it with their, instructor, campus counselor(s), UTI representative, and parents.

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



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**Certificate Automotive Technology - West-MEC to AAS in Automotive Technology - GCC to  
Bachelor of Interdisciplinary Studies in Industrial Leadership - NAU  
SAMPLE PLAN OF STUDY –2020-2021**

**Automotive Service Major [3180](#)**

Course #	Course Title	Credits	Completed
<b>West-MEC</b>			
ASE 141	Steering, Suspension and Pre-Alignment	2	
ASE 151	Introduction to Brake Systems	2	
ASE 161	Basic Automotive Electrical/Electronics	2	
ASE 162	Automotive Battery, Starting and Charging Systems	2	
ASE 181	Introduction to Engine Performance	2	
ASE 241	Advanced Steering, Suspension and Alignment	2	
ASE 251	Advanced Brake Systems	2	
<b>Glendale Community College</b>			
ASE 101	Introduction to Automotive	2	
ASE 102 OR ASE 102AU (2) AND ASE 111 OR ASE 111AU (2) OR ASE 113 or ASE 113AU (4)	Automotive Express Service and Engine Diagnosis and Inspection OR Engine Repair <i>Required to take ASE 102 &amp; ASE 111 OR just ASE 113 for a total of 4 cr.</i>	2 + 2 OR 4	
ASE 121 or ASE 121AU	Automatic Transmission/Transaxle	4	
ASE 131 or ASE 131AU	Manual Drive Trains and Axles	4	
ASE 171 or ASE 171AU	Automotive Heating, Ventilation and Air Conditioning Systems	3	
ASE 261 or ASE 261AU	Automotive Electrical Diagnostic and Repair	2	
ASE 262 or ASE 262AU	Automotive Electronic Control Systems	2	
ASE 182 or ASE 182AU	Theory and Fundamentals of Automotive Fuel/Air and Ignition Systems	2	
ASE 281 or ASE 281AU	Computerized Automotive Engine Control Systems	2	
ASE 282 or ASE 282AU or ASE 263	Advanced Engine Performance Diagnosis	2	
Restricted Elective	<a href="#">Choose 1</a>	3	
	<b>TOTAL</b>	<b>45-48</b>	
<b>AGEC Requirements</b>			
Course #	Course Title	Credits	Completed
ENG 101 or ENG 107	English (FYC)	3	

ENG 102 or ENG 108	English (FYC)	3	
COM 225	Public Speaking (L)	3	
MAT 14x or higher	Math (MA) - Recommend 4+ credit math class to meet NAU 90/30 requirements.	4-6	
CIS 105 OR BPC 110	Computer/Statistics (CS)	3	
	Humanities (HU)*	3	
	Humanities (HU)*	3	
COM 100 or COM 110 or COM 230	Social & Behavioral (SB)	3	
	Social & Behavioral (SB)*	3	
	Science (SQ)*	4	
	Science (SQ or SG)*	4	
CRE 101 or test exempt	College Critical Reading and Critical thinking or test exempt	0-3	
<a href="#">CIS XXX or BPC XXX</a>	2nd Computer Literacy more advanced than CIS 105 or BPC 110	3	
*Choose 1 course for SB, HU, SQ or SG that meets Cultural (C) and 1 that meets [Historical (H) or Global Awareness (G)]		<b>39-44</b>	
<b>TOTAL</b>			
<b>Electives if Needed - (To get to 90 credits)</b>			

**Students who complete the AAS in Automotive Service will also earn the following certificates of completion**

- Automotive Brake Systems
- Automotive Electronic/Electrical Systems
- Automotive Engine Performance
- Automotive Engine Repair
- Automotive Heating, Ventilation and Air Conditioning Systems
- Automotive Manual Drive Train and Axles
- Automotive Service (GCC Only)
- Automotive Steering and Suspension
- Engine Performance and Diagnosis
- Automotive Automatic Transmission and Transaxle

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 Automotive Technology. West-MEC dual/concurrent enrollment credits will transfer as electives.



<b>BIS Industrial Leadership 90/30 Required Core</b>			
Course #	Course Title	Credits	Completed
<b>Northern Arizona University at Estrella Mountain or Mesa Community College</b>			
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	
	<b>Total:</b>	<b>30</b>	

### What are the financial resources to help with this pathway?

- West-MEC provides needs based grants and scholarship opportunities for students that qualify <https://west-mec.edu/parent-resources/>. Glendale CC offers tuition assistance for the dual enrollment credits for students that qualify <https://www.gccaz.edu/dual-enrollment>.
- Both Glendale Community College and Northern Arizona University offer scholarship opportunities.
  - <https://www.gccaz.edu/scholarships/gcc-scholarships>
  - <https://nau.edu/office-of-scholarships-and-financial-aid/transfer-tuition-scholarships/>

<b>Tuition Estimates for Bachelor Degree 90 credit transfer/30 credits with NAU</b>		
West-MEC	14 credits	\$1,250
Maricopa Community College	\$85 per credit hour for 76 credits	\$6,460
Northern Arizona University - Statewide <i>All students charged same tuition rate regardless of AZ residency classification</i>	\$4,183 + \$4,183 + \$2,654 for 2 full-time semesters and 1 summer	\$11,020
<b>Total Estimated Tuition for ENTIRE Bachelor's Degree</b>		<b>\$18,730</b>
2NAU Scholarship 3.0 GPA	\$1,000 per semester for 2 semesters	-\$2,000
Phi Theta Kappa Scholarship 3.5 GPA	\$2,000 per semester for 2 semesters	-\$4,000
<b>Total Estimated Tuition for ENTIRE Bachelor's degree with NAU Transfer Scholarships</b>		<b>\$12,730</b>

Tuition rates based on 2020/2021 academic year and are subject to change. Costs can vary based on student schedules, part-time vs. full-time schedules, and number of semesters to complete degree.

### Contacts

<b><u>West-MEC</u></b> Speranta Klees 623-738-0018 speranta.klees@west-mec.edu	<b><u>Glendale Community College</u></b> Veronica Moreno 623-845-3183 veronica.moreno@gccaz.edu	<b><u>NAU – Glendale</u></b> Mike Werner 602 776-4629 mike.werner@nau.edu
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