



Auto Service Technology AM

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Office Hours	2:00 PM-3:00 PM	Web Page	www.newmarketskills.org

Course Overview:

A Science Technology Engineering and Mathematics (STEM) Enriched Course Scope and Sequence that prepares individuals to engage in the specialized servicing and maintenance of all types of automobiles. This course includes instruction in the diagnosis of malfunctions, the adjustment or repair, and/or properly replacing of parts, in 4 of the 8 nationally recognized ASE Education Foundation certification sections: (A2) Automatic Transmission and Trans Axle, (A4) Suspension and Steering, (A7) Heating and Air Conditioning, and (A8) Engine Performance/Drivability.

First Semester

Unit 1 Health and Safety	September 7- September 14
Unit 2 Ethics and Professionalism	September 15 - September 16
Unit 3 Automatic Transmission/ Transaxle (A2)	September 19 – October 7
Unit 4 Oscilloscope	October 10 – October 21
Unit 5 Suspension and Steering (A4)	October 24 - January 27

Second Semester

Unit 6 Engine Performance/Drivability(A8)	January 30 – May 5
Unit 7 Heating and Air Conditioning (A7)	May 7- June 16

Course Objectives and Units:

Upon successful completion of this course, the student will be able to:

- Distinguish which system needs diagnosis from customer's description of problem at time work order is assigned.
- Formulate the proper order of diagnosis for the system in question.
- Utilize proper diagnostic tools and service repair manuals to make a proper professional diagnosis and proper repair required in a timely manner.
- Demonstrate proper techniques to verify repair when completed.
- Demonstrate a working knowledge of nomenclature for tools and equipment they are instructed to use.
- Demonstrate proficiency in the use of online repair manuals for maintenance schedules, repair procedures, and labor guides to perform tasks.
- Demonstrate the proper use of tools and equipment for maintenance and repair of vehicles.

Industry Certification/Employment Outlook:

Automotive technicians are presently in high demand and will be into the beginning of the next decade. Certification is available through technology/community colleges or factory training through dealerships.

Required Supplies:

Students must have a pair of Occupational Safety and Health Administration (OSHA) approved safety glasses and a personal flashlight. These items are available for check out.

Grade Scale:

Percent	Letter Grade	Percent	Letter Grade
100-94	A	79-77	C+
93-90	A-	76-73	C
89-87	B+	72-70	C-
86-83	B	69-67	D+
82-80	B-	66-60	D
59 and below = F			

Employability: 60% attendance and participation, 40% leadership/self-discipline

Skills: 50% workmanship, 50% professionalism

Lab Science: 25% exams and quizzes, 50% assignments, 25% reflection papers

Redo Policy

Students can retake all Electude modules.

Homework Policy

Daily work not completed during class time must be completed on student's time.

Food & Drink

Permitted in classroom area for breakfast and lunch.

Leadership

See AST Program of Work (Leadership)

Additional Policies and Course Requirements

Students must pass on line Safety/Pollution Prevention Courses to enter lab (Must be completed by end of class September 16, 2022). Failure to do so may result in student removal.

NMSC Expectations & Policies – Student Handbook

Students are expected to review and follow the school rules, procedures, and processes outlined in the NMSC Student Employability Handbook. New Market Skills Center follows Tumwater School District board policies. Rules will not be reprinted in this syllabus.

Cheating/Plagiarism

Students are expected to do their own work. Cheating and Plagiarism (presenting another writer's work as one's own) will not be tolerated.

Electronic Equipment

Personal electronic devices, including but not limited to, cell phones, iPods, PSP's, mp3 players, cd players can be a disruption to the educational process and must be kept secured from use when students are in class. Students can request a locker or stow them with their flashlights and safety glasses in the classroom.

Students violating the electronics policy can expect:

- **1st offense – told to secure device.**
- **2nd offense – confiscated and given to administration for parent/guardian to retrieve.**

Dress Code/Uniform Requirement in Addition to Student Handbook

No shorts, pants with holes, open toed shoes, smooth soles shoes, or tank tops permitted.

Safety Policy

Students must follow best practices as learned in SP2 course and hands on safety training on equipment and tools. Failure to do so may result in disciplinary referral.

Students and guardians must complete next page

Please complete, sign, and return this page to instructor

I have read, understand, and agree to the class rules, grading and expectations outlined in this syllabi.

Student Name (Printed) Student Signature Date

Parent/Guardian Name (printed) Parent/Guardian Signature Date

Communication between parents and staff is extremely important for student success. Please complete the information below and indicate which type of contact you prefer.

Parent Cell # _____ Student Cell# _____

Parent Email _____

Student Email _____