AUTOMOTIVE TECHNOLOGY PROGRAM

Automotive Technology - Master Technician
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 74

DEGREE CODE: AUTOTMTAAS

DESCRIPTION
This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams.

STUDENT LEARNING OUTCOMES
- Apply diagnostic and repair routines as related to the eight major systems of the automobile.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A2, ASE A3, ASE A4, ASE A5, ASE A6, ASE A7, and ASE A8.
- Use both printed and electronic repair information and service literature.
- Use both mechanical and PC based computerized diagnostic equipment.
- Interpret diagnostic and repair literature.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER Credits
AUTO 105B Automotive Maintenance I 2
AUTO 115B Automotive Electricity and Electronics I 4
AUTO 117B Advanced Automotive Electronics 4
AUTO 136B Engine Repair 5
AUTO 145B Automotive Brakes 4
AUTO 155B Automotive Steering and Suspension 4
TOTAL CREDITS .................................................................16

SECOND SEMESTER Credits
AUTO 117B Advanced Automotive Electronics 4
AUTO 205B Automotive Drivetrain and Axles 4
AUTO 216B Automotive Transmissions 5
TOTAL CREDITS .................................................................15

THIRD SEMESTER Credits
AUTO 155B Automotive Steering and Suspension 4
AUTO 165B Automotive Heating and Air Conditioning 4
AUTO 205B Automotive Drivetrain and Axles 4
AUTO 216B Automotive Transmissions 5
TOTAL CREDITS .................................................................16

FOURTH SEMESTER Credits
AUTO 205B Automotive Drivetrain and Axles 4
AUTO 216B Automotive Automatic Transmissions 5
AUTO 225B Engine Performance I/Fuel and Ignition 4
AUTO 227B Engine Performance II/Emission Control 4
AUTO 235B Engine Performance III/Diagnostics 4
TOTAL CREDITS .................................................................15

FIFTH SEMESTER Credits
AUTO 225B Engine Performance I/Fuel and Ignition 4
AUTO 227B Engine Performance II/Emission Control 4
AUTO 235B Engine Performance III/Diagnostics 4
TOTAL CREDITS .................................................................14

DEGREE PLAN TOTAL CREDITS........................................47

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
For more information visit www.csn.edu/honors.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

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