About This Emphasis . . .

In the Associate of Applied Science degree with a major in Transportation Services, and emphasis in Automotive Technology, students learn the fundamentals of electronics, starters, ignition, and charging systems; air conditioning, cooling and heating systems; safety; technical math; use of technical manuals; basic management skills; written and oral communication skills; and leadership. Advanced coursework includes an in-depth study of internal combustion engine disassembly, repair, reassembly, diagnosis and troubleshooting; suspension systems; and alignment and wheel balance. The Automotive Technology emphasis prepares students for careers as automotive technicians, parts and service distributors, industrial sales representatives, service managers, and business owners in the transportation services industry.

For more information on what you can do with this major, go to http://www.coloradomesa.edu/wccc/programs.html

POLICIES:
1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the catalog for a complete list of graduation requirements.
2. You must turn in your “Intent to Graduate” form to the Registrar’s Office by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.
4. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature.
5. Finally, the Department Head or the department administrative assistant will take the signed forms to the Registrar’s Office. (Students cannot handle the forms once the advisor signs.)
6. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your “Intent to Graduate” does not automatically move to a later graduation date.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

NAME: ___________________________  STUDENT ID # ________________

LOCAL ADDRESS AND PHONE NUMBER: ______________________________

( )

I, (Signature) ____________________________________________________________________________, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

Signature of Advisor ___________________________ Date __________

Signature of Department Head ___________________________ Date __________

Signature of Registrar ___________________________ Date __________

Associate of Applied Science: Transportation Services – Automotive Technology  2013-2014 Program Sheet  Page 1 of 3
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Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.

Degree Requirements:
- 69 semester hours total (A minimum of 16 taken at CMU in no fewer than two semesters).
- 2.00 cumulative GPA or higher in all CMU coursework and a “C” or better must be achieved in coursework toward major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- A student must follow the CMU graduation requirements either from 1) the program sheet for the major in effect at the time the student officially declares a major; or 2) a program sheet for the major approved for a year subsequent to the year during which the student officially declares the major and is approved for the student by the department head. Because a program may have requirements specific to the degree, the student should check with the faculty advisor for additional criteria. It is the student’s responsibility to be aware of, and follow, all requirements for the degree being pursued. Any exceptions or substitutions must be approved by the student’s faculty advisor and Department Head.
- When filling out the program sheet a course can be used only once.
- See the “Undergraduate Graduation Requirements” in the catalog for additional graduation information.

GENERAL EDUCATION REQUIREMENTS (Minimum 15 semester hours) See the current catalog for a list of courses that fulfill the requirements below. If a course is on the general education list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the general education requirement.

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem.hrs</th>
<th>Grade</th>
<th>Term/Trns</th>
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<tr>
<td>ENGL 111</td>
<td>English Composition</td>
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<tr>
<td>ENGL 111 English Composition</td>
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<tr>
<td>SPCH 101</td>
<td>Interpersonal Communication</td>
<td>3</td>
<td></td>
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<tr>
<td>SPCH 102</td>
<td>Speechmaking</td>
<td>3</td>
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<tr>
<td>Mathematics: Minimum Math 107 Career Mathematics (Minimum 3 semester hours)</td>
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Social Sciences, Natural Science, Fine Arts, or Humanities or Selected Applied Studies Courses* (Minimum 6 semester hours)

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem.hrs</th>
<th>Grade</th>
<th>Term/Trns</th>
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<tr>
<td>ENGL 111</td>
<td>English Composition</td>
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*Please see your advisor for requirements specific to this program.

Choose 29 semester hours from list below.

TSTA 245 Manual Drive Train (4)
TSTA 247 Automatic Drive Train Service (4)
TSTA 265 Engine Control Services (2)
TSTA 267 Body and Chassis Controls (2)
TSTA 275 Alignment and Suspension Service (3)
TSTA 287 Engine Performance and Emissions (2)
TSTA 289 Alternative Fueled Vehicles (2)
TSTD 285 Diesel Fuel Injection (2)
TSTG 115 Gas Engine Reconditioning (4)
TSTC 100 Intro to Transportation Services 1
TSTC 101 Vehicle Service and Inspection 2
TSTC 110 Engine Fundamentals 1
TSTC 130 Electrical Fundamentals 2
TSTC 140 Drive Train Fundamentals 1
TSTC 160 Electronic Control Systems 2
TSTC 170 Chassis Fundamentals 1
TSTC 171 Brake System Fundamentals 2
TSTC 180 Fuel System Fundamentals 1
TSTC 190 Climate Control Fundamentals 1
TSTG 100 Health and Wellness 1
TSTG 110 Engine Fundamentals 1
TSTG 120 Industrial Safety Practices 3
TSTG 130 Electrical Fundamentals 2
TSTG 140 Drive Train Fundamentals 1
TSTG 150 Fluid Power 3
TSTG 160 Electronic Control Systems 2
TSTG 170 Chassis Fundamentals 1
TSTG 171 Brake System Fundamentals 2
TSTG 180 Fuel System Fundamentals 1
TSTG 190 Climate Control Fundamentals 1
TSTG 195 Climate Control Service 2
TSTG 200 Advanced Job Shop 4
TSTG 205 Advanced Practical Applications 4
TSTG 210 Advanced Practical Applications 4
TSTG 215 Advanced Practical Applications 4
TSTG 220 Industry Employment Practices 3
TSTG 230 Advanced Practical Applications 4
TSTG 240 Advanced Job Shop 4
TSTG 250 Advanced Practical Applications 4
TSTG 265 Diesel Engine Controls (3)
TSTG 270 Advanced Practical Applications 4
TSTG 285 Diesel Fuel Injection (2)
TSTG 300 Advanced Practical Applications 4
TSTG 310 Advanced Practical Applications 4
TSTG 320 Advanced Practical Applications 4
TSTG 330 Advanced Practical Applications 4
TSTG 340 Advanced Practical Applications 4
TSTG 350 Advanced Practical Applications 4
TSTG 360 Advanced Practical Applications 4
TSTG 370 Advanced Practical Applications 4
TSTG 380 Advanced Practical Applications 4
TSTG 390 Advanced Practical Applications 4
TSTG 400 Advanced Practical Applications 4
TSTG 410 Advanced Practical Applications 4
TSTG 420 Advanced Practical Applications 4
TSTG 430 Advanced Practical Applications 4
TSTG 440 Advanced Practical Applications 4
TSTG 450 Advanced Practical Applications 4
TSTG 460 Advanced Practical Applications 4
TSTG 470 Advanced Practical Applications 4
TSTG 480 Advanced Practical Applications 4
TSTG 490 Advanced Practical Applications 4

Additional expenses – Students entering the program may be required to purchase or have hand tools and appropriate clothing and safety gear with a total cost of approximately $1675.00. This does not include cost of required textbooks. These costs may vary with student need and brand or quality of tools or equipment purchased. All safety glasses must meet the minimum industry safety standard of Z-87 with side shields.
Please see faculty advisor for approved electives.

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE WITH A MAJOR IN TRANSPORTATION SERVICES, EMPHASIS IN AUTOMOTIVE TECHNOLOGY

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student’s responsibility to meet with the assigned advisor and check the 2 year course matrix on the Colorado Mesa website for course availability.

### FRESHMAN YEAR

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<th>Spring Semester</th>
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<td>ENGL 111</td>
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<td>Electives</td>
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### SOPHOMORE YEAR

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<td>TSTA/G/D Electives</td>
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<td>KINE 100</td>
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<td>KINA XXX Activity</td>
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