Bachelor of Science Degree

Program of Study

www.siucautomotive.com

Automotive Technology Off-Campus students must follow the specific Off-Campus Contract provided by their Program Advisor.
BACHELOR OF SCIENCE
AUTOMOTIVE TECHNOLOGY
COLLEGE OF APPLIED SCIENCES AND ARTS
SOUTHERN ILLINOIS UNIVERSITY CARBONDALE

The Bachelor of Science (B.S.) Degree in Automotive Technology at Southern Illinois University Carbondale (SIUC) meets the goals of students interested in careers in the automotive, truck, power generation, and related ground transportation industry. The degree provides theoretical and practical hands-on application of knowledge through a combination of automotive technical courses and automotive business/management courses, along with computing and communication courses. The flexibility of the curriculum accommodates the needs of both incoming freshman and transfer students. Students have the option of focusing on multiple areas of emphasis, earning a minor, and possibly earning dual degrees. Students can adjust their focus in areas such as: automotive technical, automotive business operations, automotive management, automotive technical education, marketing, and management.

Career Opportunities:
SIUC’s automotive technical and management education is intended to develop future leaders in the industry. Automotive and truck manufacturers, component manufacturers and suppliers, government agencies, insurance organizations, educational institutions, training and curriculum organizations, and service providers are actively seeking four-year automotive technology graduates.

The number of job titles and excellent starting salaries reflects the nature of a diverse and expanding field. Job titles include field service engineer, technical assistance specialist, serviceability engineer, district parts/service manager, customer support manager, automotive instructor, account manager, fleet manager, service advisor, dealership service manager, technical training specialist, district sales manager, field executive, technical writer, diagnostic tool and procedure developer, dealer development manager, warranty auditor, and product manager. These positions require a four-year degree with skills in communications, management and consumer relations as well as technical knowledge. From automotive and heavy truck manufacturers to equipment suppliers, software developers, and aftermarket corporations, this type of training is in extremely high demand from all sectors of the industry.

Freshman or Transfer Student:
Students can enter the program as freshmen and complete four years of automotive/business education at SIUC. The program also welcomes students transferring from a community college or other majors.

Students with an Associate in Applied Science (A.A.S.) Degree in Automotive Technology from a regionally accredited college can typically complete the additional requirements for the B.S. Degree in two additional years. These students may qualify for the Capstone Option, as discussed in Chapter 3 of the SIUC Undergraduate Catalog, which allows students to complete an abbreviated University Core Curriculum requirement. Individuals with an Associate in Arts (A.A.) Degree or Associate in Science (A.S.) Degree may be admitted, but would be required to follow a slightly different program of study. Students with a partial degree completed are also welcomed to transfer to the Automotive Technology Program with previous course work being evaluated on a course-by-course basis.

Internship Programs:
Automotive Technology majors may be able to participate in paid internship experiences and earn credit toward graduation. Opportunities occur during all semesters (including the summer term), with some programs available for two sequential terms. Internship sites are situated in various locations throughout the United States. Internship opportunities have been available with Chrysler Group LLC, Cummins, Inc., Toyota Motor Sales, U.S.A., Inc., Eaton Corporation, General Motors Company, Robert Bosch Corporation, Ford Motor Company, Sherwin-Williams Automotive Finishes, Motors Insurance Corporation, General Services Administration (GSA) of the Federal Government, and other various automotive and related businesses.
**Minors and/or Dual Majors:**
Students enrolled in the Automotive Technology Program have the flexibility of focusing their curriculum to assist in minoring in areas such as management, marketing, or business administration with little to no additional coursework.

Dual majors are also available with one specifically designed with Workforce Education and Development (WED) for students interested in automotive technology teaching positions in grades 6-12. Teachers prepared through this program instruct in comprehensive high schools or area career centers.

**Master Degree Options:**
Students enrolled in the Automotive Technology Program have the flexibility of focusing the curriculum to assist in preparing for graduate level degrees in areas such as a Master of Science in Education (M.S.Ed.) or a Master of Business Administration (M.B.A.).

**Admission and Enrollment Management:**
Those interested in applying to the Automotive Technology program are encouraged to begin the application process approximately one year in advance. Acceptance into the program will be based upon additional admissions criteria, however, there is no separate application needed. In order to be included in the Automotive Technology applicant pool, all applicants must satisfy standard University baccalaureate entrance requirements as well as request Automotive Technology as their primary intended major. Acceptance into the Automotive Technology program will be based upon additional admissions criteria. Student selection from the applicant pool will occur on predetermined dates. Contact the Automotive Technology program for the latest criteria and dates.

The admission process can begin on-line at www.admissions.siu.edu. Applicants must request Automotive Technology as their primary intended major to be included in the Automotive Technology applicant pool.

**Capstone Option for Transfer Students:**
The Capstone Option is for the student who has earned or will soon earn an Associate in Applied Science (A.A.S.) degree or equivalent certification. The Capstone Option advantage allows students to complete an abbreviated University Core Curriculum requirement.

All transfer students intending to pursue the Capstone Option into the Automotive Technology program are strongly encouraged to contact the Automotive Technology Academic Advisor early in their associate degree program to help facilitate acceptance into the Capstone Option. Further requirements, procedures and additional information about the Capstone Option are discussed in Chapter 3 of the SIUC Undergraduate Catalog. [http://registrar.siuc.edu/catalog/undergraduategtacatalog.html](http://registrar.siuc.edu/catalog/undergraduategtacatalog.html)

**Certification:**
The Automotive Technology program at SIUC is Master Certified by the National Institute for Automotive Service Excellence.

13505 Dulles Technology Drive, Suite 2
Herndon, VA 20171-3421

![NATEF Logo](https://example.com/natef.png)
Automotive Technology B.S. Degree Requirements and Student Responsibilities:

1. University Hour Requirement, Residence Requirement, and Average Requirement: These and other University requirements are explained in Chapter 2 of the SIUC Undergraduate Catalog. [http://registrar.siuc.edu/catalog/undergraduatecatalog.html](http://registrar.siuc.edu/catalog/undergraduatecatalog.html)

2. Course Requirements. Each student must meet the University requirements and the requirements of the academic unit, the major, and the minor, if required.

3. Tool Requirements: The Automotive Technology should expect to spend about $1000 to $1500 for a required automotive toolkit consisting of metric tools and a digital multimeter. The required tool list is available on the Automotive Technology website: [www.siucautomotive.com](http://www.siucautomotive.com).

4. Student Responsibility: Students are responsible for meeting and complying with all University requirements, policies and deadlines, including those for applying for graduation. Further information regarding requirements, policies and deadlines can be found on the University website and in the SIUC Undergraduate Catalog. [http://registrar.siuc.edu/catalog/undergraduatecatalog.html](http://registrar.siuc.edu/catalog/undergraduatecatalog.html)

5. Student Responsibility: Students are to actively seek the assistance of the Automotive Technology Academic Advisor each semester to ensure progress towards graduation and compliance with these and other regulations.

Curriculum Requirements:
The Bachelor of Science Degree in Automotive Technology is composed of four instructional categories and consists of a minimum of 120-125 semester hours.

<table>
<thead>
<tr>
<th>Category</th>
<th>Course Description</th>
<th>Semester Hours</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>University Core Curriculum Requirements</td>
<td>30-41</td>
<td>5 &amp; 6</td>
</tr>
<tr>
<td>II</td>
<td>Lower Level Automotive Technology Courses</td>
<td>39</td>
<td>7</td>
</tr>
<tr>
<td>III</td>
<td>Upper Level Automotive Technology Courses</td>
<td>15</td>
<td>7</td>
</tr>
<tr>
<td>IV</td>
<td>Business/Management Courses</td>
<td>18</td>
<td>8</td>
</tr>
<tr>
<td>V</td>
<td>Support Courses</td>
<td>12</td>
<td>9</td>
</tr>
</tbody>
</table>
## CATEGORY I – University Core Curriculum Recommendations:

### 41 Semester Hours (Non-Capstone requirements):

- Consult the SIUC Undergraduate Catalog Chapter 3 for Core Curriculum requirements and substitutions.

## FOUNDATION SKILLS

<table>
<thead>
<tr>
<th>ENGLISH COMP (6 Semester Hours)</th>
<th>University College (3 Semester Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 101 (Min. grade C)</td>
<td>UCOL 101 Required for students with fewer than 26 semester hours to be taken first semester</td>
</tr>
<tr>
<td>ENGL 102 (Min. grade C)</td>
<td></td>
</tr>
</tbody>
</table>

### SPEECH (3 Semester Hours)

- SPCM 101

### MATHEMATICS (3 Semester Hours)

- MATH 108 or above except 107, 114, 120, and 300i
- MATH 113 suggested
- MATH 139 if minor in Business Administration or MGMT

## DISCIPLINARY STUDIES

### SCIENCE (6 Semester Hours)

Select One Course From Each Group

<table>
<thead>
<tr>
<th>GROUP I</th>
<th>GROUP II</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 101</td>
<td>PLB 115, 117,301i</td>
</tr>
<tr>
<td>Zool 115</td>
<td>SPCM 101</td>
</tr>
<tr>
<td>ANTH 240A</td>
<td></td>
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</tbody>
</table>

### HUMANITIES (6 Semester Hours)

<table>
<thead>
<tr>
<th>AD 207a, b, c</th>
<th>HIST 101a, b, 358i</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLAS 230, 270, 271,315i</td>
<td>LING 200</td>
</tr>
<tr>
<td>EA 102</td>
<td>MATH 300i</td>
</tr>
<tr>
<td>ENGL 121, 204</td>
<td>PHIL 102, 103a, b, 104, 105</td>
</tr>
<tr>
<td>FR 101a, b</td>
<td>PHIL 303i, 307i, 309i</td>
</tr>
<tr>
<td>GER 101a, b</td>
<td>CP 358i</td>
</tr>
<tr>
<td>MATH 113 suggested</td>
<td></td>
</tr>
<tr>
<td>MATH 139 if minor in Business Administration or MGMT</td>
<td></td>
</tr>
</tbody>
</table>

### SOCIAL SCIENCE (6 Semester Hours)

Select two courses in different disciplines

<table>
<thead>
<tr>
<th>AGRI 300i</th>
<th>JRNL 306i, 314i</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 104</td>
<td>LAC 300i</td>
</tr>
<tr>
<td>ECON 113, 240, 241</td>
<td>POLS 114, 314i</td>
</tr>
<tr>
<td>ECON 302i</td>
<td>POLS 322i,372i</td>
</tr>
<tr>
<td>GEOG 100, 103, 300i</td>
<td>PSYC 102</td>
</tr>
<tr>
<td>HIST 110, 112</td>
<td>SOC 108, 306i</td>
</tr>
<tr>
<td>ZOOL 312i</td>
<td></td>
</tr>
</tbody>
</table>

### FINE ARTS (3 Semester Hours)

<table>
<thead>
<tr>
<th>AD 100a, 100b, 101</th>
<th>HIST 201</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARC 314i</td>
<td>MUS 103</td>
</tr>
<tr>
<td>CP 101,354i</td>
<td>THEA 101</td>
</tr>
<tr>
<td>ENGL 119, 206a, 307i</td>
<td>FL 200a,b,c</td>
</tr>
</tbody>
</table>

### HUMAN HEALTH (2 Semester Hours)

<table>
<thead>
<tr>
<th>BIOL 202</th>
<th>KIN 101</th>
</tr>
</thead>
<tbody>
<tr>
<td>HED 101</td>
<td>PHSL 201</td>
</tr>
<tr>
<td>HND 101</td>
<td>REHB 205</td>
</tr>
</tbody>
</table>

## INTEGRATIVE STUDIES

### MULTICULTURAL: DIVERSITY IN THE U.S. (3 Semester Hours)

<table>
<thead>
<tr>
<th>AD 227, 267, 307i, 317i</th>
<th>ENGR 304i</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFR 215, 227,303i</td>
<td>FL 301i</td>
</tr>
<tr>
<td>ANTH 202, 204</td>
<td>FR 200</td>
</tr>
<tr>
<td>CCJ 203</td>
<td>HIST 202, 210, 300</td>
</tr>
<tr>
<td>ENGL 205,212</td>
<td>KIN 210</td>
</tr>
<tr>
<td>LING 201,320i</td>
<td>PSYC 223, 233</td>
</tr>
<tr>
<td>MCMA 204</td>
<td>SOC 215, 223,304i</td>
</tr>
<tr>
<td>MUS 203, 303i</td>
<td>SPCM 201, 301i</td>
</tr>
<tr>
<td>PHIL 210, 211, 308i</td>
<td>WMST 200, 201, 223</td>
</tr>
<tr>
<td>POLS 215,352i</td>
<td>WMST 301i,307i,320i</td>
</tr>
</tbody>
</table>

### (INTERDISCIPLINARY ) (3 Semester Hours) Not required for students entering Fall 2012 or later

<table>
<thead>
<tr>
<th>AD 307i, 317i</th>
<th>ENGL 307i</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFR 332i</td>
<td>ENGR 301i, 303i, 304i</td>
</tr>
<tr>
<td>AGRI 300i</td>
<td>FL 301i</td>
</tr>
<tr>
<td>ARC 314i</td>
<td>GEOG 300i, 303i, 310i</td>
</tr>
<tr>
<td>CLAS 315i</td>
<td>GEOL 327i, 328i, 329i, 330i</td>
</tr>
<tr>
<td>ECON 302i</td>
<td>JRNL 306i, 314i</td>
</tr>
<tr>
<td>LAC 300i</td>
<td>POLS 314i, 332i, 352i, 372i</td>
</tr>
<tr>
<td>LING 320i</td>
<td>RT 362i</td>
</tr>
<tr>
<td>MATH 300i</td>
<td>SOC 304i, 306i</td>
</tr>
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<td>PHIL 303i, 307i, 308i, 309i</td>
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</tr>
<tr>
<td>PLB 301i, 303i</td>
<td>ZOOL 312i</td>
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</tbody>
</table>
30 Semester Hours (Capstone Option requirements only):

The Capstone Option is for the student who has earned or will soon earn an Associate in Applied Science (A.A.S.) degree or equivalent certification. The purpose of the Capstone Option is to provide an opportunity for students to add to the marketable occupational skills and competencies, which they have already acquired with their A.A.S. degree. All transfer students intending to pursue the Capstone Option into the Automotive Technology program are strongly encouraged to contact the Automotive Technology Academic Advisor early in their associate degree program to help facilitate acceptance into the Capstone Option. Further requirements, procedures and additional information about the Capstone Option are discussed in Chapter 3 of the SIUC Undergraduate Catalog. [http://registrar.siuc.edu/catalog/undergraduatecatalog.html](http://registrar.siuc.edu/catalog/undergraduatecatalog.html)

- Consult the SIUC Transfer Course Equivalency Guides for Core Curriculum substitutes at: [http://enrollmentapps.siu.edu/articulation/](http://enrollmentapps.siu.edu/articulation/)

**CORE CURRICULUM REQUIREMENTS: (Capstone Option: 30 semester hours)**

<table>
<thead>
<tr>
<th>Category</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>3 hours</td>
</tr>
<tr>
<td>Math</td>
<td>3 hours</td>
</tr>
<tr>
<td>Speech</td>
<td>3 hours</td>
</tr>
<tr>
<td>Science</td>
<td>6 hours</td>
</tr>
<tr>
<td>Social Sci</td>
<td>6 hours</td>
</tr>
<tr>
<td>Humanities</td>
<td>3 hours</td>
</tr>
<tr>
<td>Multicult</td>
<td>3 hours</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>3 hours</td>
</tr>
</tbody>
</table>

**FOUNDATION SKILLS**

**ENGLISH COMP (3 Semester Hours)**

ENGL 101 (Min. grade C)

**MATHEMATICS (3 Semester Hours)**

MATH 108 or above except 107, 114, 120, and 300i

MATH 113 suggested

MATH 139 if minor in Business Administration or MGMT

**SPEECH (3 Semester Hours)**

SPCM 101

**DISCIPLINARY STUDIES**

**SCIENCE (6 Semester Hours)**

Select One Course From Each Group

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<td>FR 101a, b</td>
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**HUMANITIES (3 Semester Hours)**

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**SOCIAL SCIENCE (6 Semester Hours)**

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**FINE ARTS (3 Semester Hours)**

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<tbody>
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<tr>
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</table>

**MULTICULTURAL: DIVERSITY IN THE U.S. (3 Semester Hours)**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>MULTICULTURAL</th>
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<tbody>
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<td>AD 227, 267, 307i, 317i</td>
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</tr>
<tr>
<td>ENGL 205, 212</td>
<td>POLS 215, 352i</td>
</tr>
<tr>
<td>KIN 210</td>
<td>WMST 200, 201, 223</td>
</tr>
<tr>
<td>MUS 203</td>
<td>SPCM 201, 301i</td>
</tr>
<tr>
<td>POLS 210</td>
<td></td>
</tr>
<tr>
<td>SOC 215, 223, 304i</td>
<td></td>
</tr>
</tbody>
</table>

**INTEGRATIVE STUDIES**
CATEGORY II – Lower Level Automotive Technology Courses:
(Automotive toolkit required in all automotive technical courses)

39 Semester Hours of 100 and 200 level technical courses (or approved equivalents):

NOTE: This 39 hour requirement may be fulfilled by completing an Associate of Applied Science Degree in Automotive Technology from an approved two-year college.

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Hours</th>
<th>Course Name</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 100</td>
<td>3 hr.</td>
<td>Automotive Laboratory Practices</td>
<td>Co-requisite: AUT 150</td>
</tr>
<tr>
<td>AUT 120</td>
<td>3 hr.</td>
<td>Automotive Electrical Principles</td>
<td>Co-requisite: AUT 170</td>
</tr>
<tr>
<td>AUT 150</td>
<td>6 hr.</td>
<td>Internal Combustion Engine Principles</td>
<td>Co-requisite: AUT 100</td>
</tr>
<tr>
<td>AUT 170</td>
<td>6 hr.</td>
<td>Automotive Powertrain Electronics</td>
<td>Co-requisite: AUT 120</td>
</tr>
<tr>
<td>AUT 180</td>
<td>3 hr.</td>
<td>Manual Drivetrains</td>
<td></td>
</tr>
<tr>
<td>AUT 215</td>
<td>3 hr.</td>
<td>Automotive Braking Systems</td>
<td></td>
</tr>
<tr>
<td>AUT 216</td>
<td>3 hr.</td>
<td>Automotive Suspension and Steering Systems</td>
<td></td>
</tr>
<tr>
<td>AUT 240</td>
<td>6 hr.</td>
<td>Engine Management I</td>
<td>AUT 150 &amp; 170</td>
</tr>
<tr>
<td>AUT 250</td>
<td>3 hr.</td>
<td>Engine Management II</td>
<td>AUT 240</td>
</tr>
<tr>
<td>AUT 280</td>
<td>3 hr.</td>
<td>Automotive Air Conditioning Systems</td>
<td>AUT 170</td>
</tr>
<tr>
<td>TOTAL</td>
<td>39 hr.</td>
<td>Lower level automotive technical courses</td>
<td></td>
</tr>
</tbody>
</table>

CATEGORY III – Upper Level Automotive Technology Courses:
(Automotive toolkit required in all automotive technical courses)

15 Semester hours of 300 and/or 400 level technical courses to be selected from the following (or approved equivalents):

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Hours</th>
<th>Course Name</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 330</td>
<td>3 hr.</td>
<td>Vehicle Stability and NVH</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 340</td>
<td>6 hr.</td>
<td>Drivability and Emission Diagnostics</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 355</td>
<td>6 hr.</td>
<td>Lighting, Convenience, and Safety Systems</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 360</td>
<td>6 hr.</td>
<td>Automatic Transmissions and Transaxles</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 390</td>
<td>3 hr.</td>
<td>Network Systems and Vehicle Electronics</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 440</td>
<td>3 hr.</td>
<td>Diesel Engine Performance and Emissions</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 480</td>
<td>3 hr.</td>
<td>Alternative Fueled Vehicles</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 490</td>
<td>6 hr.</td>
<td>Comprehensive Vehicle Diagnostics</td>
<td>AUT 235, 340, 360, or consent and special approval needed from advisor</td>
</tr>
</tbody>
</table>
**CATEGORY IV – Business/Management Courses:**

18 Semester hours to be selected from the following (or approved equivalents):

| Group 1 – Select one course from the following: (Written Communications Group) |
|-----------------------------------------------|---------------------------|
| Course No. | Hours | Course Name | Prerequisite |
| ENGL 291  | 3 hr. | Intermediate Technical Writing | ENGL 101 and 102 |
| TRM 316   | 3 hr. | Applications of Technical Information (Same as ISAT 366) | ENGL 101 |
| WED 302   | 3 hr. | Communications in Business (Same as MGMT 202) | ENGL 101 and 102 |

| Group 2 – Select one course from the following: (Computer Skills Group) |
|-----------------|-----------------------------|
| Course No. | Hours | Course Name | Prerequisite |
| AUT 335       | 3 hr. | Computing for Automotive Applications | |
| CS 200(b)     | 3 hr. | Introduction to Business Computing | |

| Group 3 – Select one course from the following: (Management Group) |
|-----------------|-----------------------------|
| Course No. | Hours | Course Name | Prerequisite |
| AUT 325       | 3 hr. | Automotive Fixed Operations Management | ENGL 101, Advisor approval |
| MGMT 304      | 3 hr. | Introduction to Management | Junior standing, advisor approval |
| MGMT 350      | 3 hr. | Small Business Management | Junior standing, advisor approval |
| TRM 364       | 3 hr. | Work Center Management | |

| Group 4 – Select three courses from the following: (Business Group) |
|-----------------|-----------------------------|
| Course No. | Hours | Course Name | Prerequisite |
| AUT 345       | 3 hr. | Automotive Data Management and Analysis (Same as ACCT 208) | AUT 335 or CS 200b, special approval needed from advisor |
| AUT 435       | 3 hr. | Automotive Financial Management and Operations | Special approval needed from advisor |
| AUT 485       | 3 hr. | Automotive Warranty Administration and Customer Relations | Special approval needed from advisor |
| ACCT 210      | 3 hr. | Accounting Principles and Control | Cannot take both Acct210 and Acct220 |
| FIN 270       | 3 hr. | Legal & Social Environment of Business | Sophomore standing |
| FIN 280       | 3 hr. | Business Law I | |
| MGMT 208      | 3 hr. | Business Data Analysis | MATH 139 |
| MKTG 304      | 3 hr. | Marketing Management | Junior standing, advisor approval |
| MKTG 305      | 3 hr. | Consumer Behavior | Junior standing, advisor approval |
| MKTG 350      | 3 hr. | Small Business Marketing | Junior standing, advisor approval |
| PSYC 323      | 3 hr. | Organizational Psychology | PSYC 102 |
| TRM 361       | 3 hr. | Fiscal Aspects of Technical Management | |
| TRM 362       | 3 hr. | Legal Aspects of Technical Management | TRM 316 |
| TRM 383       | 3 hr. | Data Interpretation (Same as ISAT 365) | Core MATH |
12 hours to be selected from the following (or approved equivalents):

- Category III – Upper Level Automotive Technology Courses not previously taken.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Course Name</th>
<th>Course</th>
<th>Hrs</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 330</td>
<td>3 h</td>
<td>Vehicle Stability and NVH</td>
<td>AUT 390</td>
<td>3 h</td>
<td>Network Systems Vehicle Electronics</td>
</tr>
<tr>
<td>AUT 340</td>
<td>6 h</td>
<td>Drivability and Emission Diagnostics</td>
<td>AUT 440</td>
<td>3 h</td>
<td>Diesel Engine Performance Emissions</td>
</tr>
<tr>
<td>AUT 355</td>
<td>6 h</td>
<td>Lighting, Convenience, Safety Systems</td>
<td>AUT 480</td>
<td>3 h</td>
<td>Alternative Fueled Vehicles</td>
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<tr>
<td>AUT 360</td>
<td>6 h</td>
<td>Automatic Transmissions Transaxles</td>
<td>AUT 490</td>
<td>6 h</td>
<td>Comprehensive Vehicle Diagnostics</td>
</tr>
</tbody>
</table>

- Category IV – Group 3 or 4 ONLY – Business/Management Courses not previously taken.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
<th>Course Name</th>
<th>Course</th>
<th>Hrs</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 325</td>
<td>3 h</td>
<td>Auto. Fixed Operations Management</td>
<td>MKTG 304</td>
<td>3 h</td>
<td>Marketing Management</td>
</tr>
<tr>
<td>MGMT 304</td>
<td>3 h</td>
<td>Introduction to Management</td>
<td>MKTG 350</td>
<td>3 h</td>
<td>Small Business Marketing</td>
</tr>
<tr>
<td>MGMT 350</td>
<td>3 h</td>
<td>Small Business Management</td>
<td>TRM 383</td>
<td>3 h</td>
<td>Data Interpretation (ISAT 365)</td>
</tr>
<tr>
<td>TRM 364</td>
<td>3 h</td>
<td>Work Center Management</td>
<td>AUT 485</td>
<td>3 h</td>
<td>Auto. War. Admin. and Customer Rel.</td>
</tr>
<tr>
<td>AUT 345</td>
<td>3 h</td>
<td>Auto. Data Management and Analysis</td>
<td>FIN 270</td>
<td>3 h</td>
<td>Legal &amp; Social Environment of Bus.</td>
</tr>
<tr>
<td>AUT 435</td>
<td>3 h</td>
<td>Auto. Financial Management and Oper.</td>
<td>FIN 280</td>
<td>3 h</td>
<td>Business Law I</td>
</tr>
<tr>
<td>ACCT 210</td>
<td>3 h</td>
<td>Accounting Principles and Control</td>
<td>MKTG 305</td>
<td>3 h</td>
<td>Consumer Behavior</td>
</tr>
<tr>
<td>MGMT 208</td>
<td>3 h</td>
<td>Business Data Analysis (ACCT 208)</td>
<td>PSYC 323</td>
<td>3 h</td>
<td>Organizational Psychology</td>
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</tbody>
</table>

- Automotive Technology variable credit hour courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
<th>Course Name</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUT 320</td>
<td>variable</td>
<td>Automotive Internship</td>
<td>Special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 420</td>
<td>variable</td>
<td>Automotive Service Operations Internship</td>
<td>Senior standing, special approval needed from advisor</td>
</tr>
<tr>
<td>AUT 430</td>
<td>variable</td>
<td>Automotive Investigations</td>
<td>Special approval needed from advisor, faculty sponsor</td>
</tr>
<tr>
<td>AUT 475</td>
<td>variable</td>
<td>Special Projects in Automotive Technology</td>
<td>Special approval needed from advisor, faculty sponsor</td>
</tr>
</tbody>
</table>

- Courses related to the major as approved by the Department.


<table>
<thead>
<tr>
<th>Course</th>
<th>Course Name</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 220</td>
<td>Accounting I</td>
<td>Sophomore standing, No credit for ACCT 210 if taken</td>
</tr>
<tr>
<td>ACCT 230</td>
<td>Accounting II</td>
<td>ACCT 220</td>
</tr>
<tr>
<td>CS 202</td>
<td>Introduction to Computer Science</td>
<td>MATH 111</td>
</tr>
<tr>
<td>Econ 240</td>
<td>Intermediate Microeconomics</td>
<td></td>
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<tr>
<td>Econ 241</td>
<td>Intermediate Macroeconomics</td>
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</tr>
<tr>
<td>Econ 310</td>
<td>Labor Problems</td>
<td>ECON 240 or consent</td>
</tr>
<tr>
<td>Econ 315</td>
<td>Money and Banking</td>
<td>ECON 241 or consent</td>
</tr>
<tr>
<td>FIN 200</td>
<td>Personal Finance</td>
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</tr>
<tr>
<td>MGMT 318</td>
<td>Production - Operations Management</td>
<td>MGMT 208, junior standing, advisor approval</td>
</tr>
<tr>
<td>MGMT 341</td>
<td>Organizational Behavior</td>
<td>MGMT 208, MGMT 304, junior standing, adv. approval</td>
</tr>
<tr>
<td>MKTG 329</td>
<td>Marketing Channels</td>
<td>MKTG 304 min. C, junior standing, advisor approval</td>
</tr>
<tr>
<td>MKTG 336</td>
<td>International Business</td>
<td>MKTG 304 min. C, junior standing, advisor approval</td>
</tr>
<tr>
<td>MKTG 401</td>
<td>Retail Management</td>
<td>MKTG 304 min. C, junior standing, advisor approval</td>
</tr>
<tr>
<td>TRM 361</td>
<td>Fiscal Aspects of Technical Management</td>
<td></td>
</tr>
<tr>
<td>TRM 362</td>
<td>Legal Aspects of Technical Management</td>
<td>TRM 316 or ISAT 366</td>
</tr>
<tr>
<td>TRM 464</td>
<td>Managing for Quality</td>
<td>TRM 364 and 383</td>
</tr>
<tr>
<td>WED 460</td>
<td>Occupational Analysis and Curriculum Development</td>
<td>WED Major or consent, advisor approval</td>
</tr>
<tr>
<td>WED 462</td>
<td>Instructional Methods and Materials</td>
<td>WED Major or consent, advisor approval</td>
</tr>
<tr>
<td>WED 463</td>
<td>Assessment of Learner Performance</td>
<td>WED Major or consent, advisor approval</td>
</tr>
</tbody>
</table>