Minnesota State University, Mankato
Curriculum Proposal

Please type or select the requested information. Print completed forms, add appropriate paper attachments, and route through MSU's curricular process for recommendations and decisions.

| College: Science, Engineering and Technology |
| Department: Automotive and Manufacturing Engineering |
| Program: Automotive Engineering Technology |
| Type of Change: COURSE PROPOSALS |
| Proposed Change in Course: Pre requisites: |
| Title Current: Automotive Systems and Technology |
| Title Proposed: |
| 24-Char. Abbrev: |

Proposal # 223
Effective Date of Change: Academic Year 07-08
(For Office Use Only)

Course Designator and Number | Number of Credits
AET 160 | 4

Include a course or program description for the Bulletin (30-40 words maximum for courses, 100 for programs):
AET 160 (4) Automotive Technology & Systems
This course is centered on the theory, operation and service of the systems found in modern automobiles. Lectures and demonstrations cover the course topics and open lab sessions allow students to practice procedures on their own vehicles in the completion of course assignments. Fall & Spring
Prerequisite: Math 112 or higher. Corequisite: Math 113 or higher.

Rationale or Justification for change:
See attached

***For General Education or Cultural Diversity Courses Only***

<table>
<thead>
<tr>
<th>GE Category #</th>
<th>GE Category Name (Maximum of 3 Categories)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
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<tr>
<td>N/A</td>
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<tr>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

* For Writing Intensive Courses, attach a description of the kind and quantity of writing.
* For Upper Division Courses, include a description of the respects in which it is broad and general rather than narrow and specific, and so suitable as GE.

Attach paper copies of the following:
a. Syllabus or course outline.
b. Course's student learning outcomes associated with each GE competency or CD designation.
c. List of strategies to be used to assess students' achievement of each GE competency or CD designation.

***For New Courses***

| Instructional Type: Lecture |
| Course will be offered: |
| Fall Semester |
| Spring Semester |
| Summer Session |
| Other courses are being changed or eliminated. (Explain.) |

Course content or title is similar to courses in other departments. (Attach copy of letter of agreement with other program(s) contacted. Indicate the nature of the discussions and/or resolution of differences or potential conflicts.)

Attach paper copies of the following:
a. Syllabus or course outline.
b. Course's student learning outcomes.
c. A list of resources required to offer and support this course.
d. A description of how teaching this course will affect department staffing.
e. If 400/500 level course, an explanation of added expectations of graduate students.

Revised September 2002
# Curriculum Proposal

## ***Signature Page***

**Department**
- [x] Recommended
- [ ] Not Recommended

**College Curriculum Committee**
- [ ] Recommended
- [x] Not Recommended

**College Dean**
- [x] Recommended
- [ ] Not Recommended

**General Education Subcommittee**
- [ ] Recommended
- [x] Not Recommended

**Undergraduate Curriculum and Academic Policy Committee**
- [x] Recommended
- [ ] Not Recommended

**Faculty Association Graduate Committee**
- [ ] Recommended
- [x] Not Recommended

**Graduate Dean**
- [x] Recommended
- [ ] Not Recommended

**Academic Affairs Council**
- [x] Recommended
- [ ] Not Approved

**Senior Vice President and Vice President for Academic Affairs**
- [x] Approved
- [ ] Not Approved

**Comments:**

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**Department Chair**
- Date: 1/22/08

**Committee Chair**
- Date: 1/22/08

**Dean**
- Date: 1/24/08

**General Education Subcommittee Chair**
- Date: 1/24/08

**UCAP Faculty Chair**
- Date: 1/24/08

**Faculty Association Graduate Chair**
- Date: 3/14/08

**Assistant Vice President**
- Date: 3/14/08

**Sr. Vice President / Vice Pres. Academic Affairs**
- Date: 3/14/08

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Revised September 2002
Co-requisite changed to prerequisite because there has been a trend of some students coming in that need Math 098 which makes it difficult for them to complete the degree requirements in 4 years. Also, a significant number of those students do not continue in the program to earn a degree. AET 160 is a course in high demand and is full each semester. Some of the people that cannot get into the class are farther along in the Math sequence and can complete the requirements in 4 years if they can begin the AET core courses when they first arrive at MSU.

<table>
<thead>
<tr>
<th>Proposal #</th>
<th>Course Number</th>
<th>Course Name</th>
<th>New Name</th>
<th>Current Pre-Requisites</th>
<th>Proposed Pre-requisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>861</td>
<td>AET 160 (4)</td>
<td>Automotive Technology &amp; Systems</td>
<td></td>
<td>Co- Requisite: MATH 112 or higher</td>
<td>MATH 112 or Higher; Co-requisite: Math 113 or Higher</td>
</tr>
</tbody>
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