About This Minor . . .

A minor in mathematics is a natural enhancement to many majors outside mathematics where an understanding of mathematics is needed (e.g. physics, engineering, computer science, chemistry, biology, geology). A minor in mathematics enables non-mathematics majors to complete a focused course of study in mathematics on a smaller scale.

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 Mathematics Advisor ___________________________________________________________________________ Date ____________

Signature of Department Head ___________________________________________________________________________ Date ____________

Signature of Registrar _________________________________________________________________________________ Date ____________

Mathematics Minor
Posted 4/6/2012
Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration. See the “Undergraduate Graduation Requirements” in the catalog for additional graduation information.

Minor Requirements:
- At least 33 percent of the credit hours required for the minor must be courses numbered 300 or above.
- A 2.00 cumulative GPA or higher in the minor is required.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- The number of minors a student may receive at Colorado Mesa University shall not exceed two.
- 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.

**REQUIRED COURSES (20-24 SEMESTER HOURS)**

See the current catalog for a list of courses that fulfill the requirements below.

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
<th>Sem.hrs</th>
<th>Grade</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 152</td>
<td>Calculus II</td>
<td>5</td>
<td></td>
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<tr>
<td>OR</td>
<td></td>
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</tr>
<tr>
<td>MATH 136</td>
<td>Engineering Calculus II</td>
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</table>

Two of the following courses

<table>
<thead>
<tr>
<th>Course No</th>
<th>Title</th>
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<th>Grade</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 240</td>
<td>Introduction to Advanced Mathematics</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 253</td>
<td>Calculus III</td>
<td>4</td>
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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>MATH 260</td>
<td>Differential Equations</td>
<td>3 or 4</td>
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<td>OR</td>
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<tr>
<td>MATH 236</td>
<td>Differential Equations and Linear Algebra</td>
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<tbody>
<tr>
<td>MATH 310</td>
<td>Number Theory</td>
<td>3</td>
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<tr>
<td>MATH 325</td>
<td>Linear Algebra I</td>
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<tr>
<td>MATH 352</td>
<td>Advanced Calculus</td>
<td>3</td>
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<tr>
<td>MATH 360</td>
<td>Methods of Applied Math</td>
<td>3</td>
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<tr>
<td>MATH 361</td>
<td>Numerical Analysis</td>
<td>4</td>
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<tr>
<td>MATH 362</td>
<td>Fourier Analysis</td>
<td>3</td>
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<tr>
<td>MATH 365</td>
<td>Mathematical Modeling</td>
<td>3</td>
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<tr>
<td>MATH 369</td>
<td>Discrete Structures I</td>
<td>3</td>
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<tr>
<td>MATH 370</td>
<td>Discrete Structures II</td>
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<tr>
<td>MATH 386</td>
<td>Geometries</td>
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<td>MATH 420</td>
<td>Topology</td>
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<tr>
<td>MATH 430</td>
<td>Mathematical Logic</td>
<td>3</td>
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<tr>
<td>MATH 450</td>
<td>Complex Variables</td>
<td>3</td>
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<tr>
<td>MATH 452</td>
<td>Introduction to Real Analysis I</td>
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<td>Linear Algebra II</td>
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<td>MATH 490</td>
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Mathematics Minor

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Posted 4/6/2012