2015-2016 PETITION/PROGRAM SHEET
Minor: Mathematics

COLORADO MESA
UNIVERSITY

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.

All CMU graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student learning outcomes, graduates of this major will be able to:
1. construct multi-step problem-solving strategies, and communicate solutions effectively in written form. (Specialized Knowledge/ Quantitative Fluency)
2. use mathematical software (including calculators) to aid in problem-solving and investigation, and understand its limitations.(Applied Learning)

POLICIES:
1. Please see the catalog for a complete list of graduation requirements.
2. 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.** 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. Your advisor will sign and forward the Program Sheet and Graduation Planning Sheet to the Department Head for signature. Finally, the Department Head will submit the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
4. 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.
5. NOTE: During your senior year, you will be required to take a capstone exit assessment/project (e.g,, Major Field Achievement Test)

NAME: **STUDENT ID #:**

LOCAL ADDRESS AND PHONE NUMBER:

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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.

_____   _____20_____
Signature of Mathematics Advisor   Date

_____   _____20_____
Signature of Department Head   Date

_____   _____20_____
Signature of Registrar   Date

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.
- 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.

Course No	Title	Sem.hrs	Grade	Term
MATH 152	Calculus II	5	_____	_____
OR				
MATH 136	Engineering Calculus II	4	_____	_____

Two of the following courses

Course No	Title	Sem.hrs	Grade	Term
MATH 240	Introduction to Advanced Mathematics	4	_____	_____
MATH 253	Calculus III	4		
MATH 260	Differential Equations			
OR		3 or 4	_____	_____
MATH 236	Differential Equations and Linear Algebra			

Three of the following courses:

Course No	Title	Sem.hrs	Grade	Term
MATH 310	Number Theory	3	_____	_____
MATH 325	Linear Algebra I	3	_____	_____

Course No	Title	Sem.hrs	Grade	Term
MATH 352	Advanced Calculus	3	_____	_____
MATH 360	Methods of Applied Math	3	_____	_____
MATH 361	Numerical Analysis	4	_____	_____
MATH 362	Fourier Analysis	3	_____	_____
MATH 365	Mathematical Modeling	3	_____	_____
MATH 369	Discrete Structures I	3	_____	_____
MATH 370	Discrete Structures II	3	_____	_____
MATH 386	Geometries	4	_____	_____
MATH 420	Topology	3	_____	_____
MATH 430	Mathematical Logic	3	_____	_____
MATH 450	Complex Variables	3	_____	_____
MATH 452	Introduction to Real Analysis I	3	_____	_____
MATH 453	Introduction to Real Analysis II	3	_____	_____
MATH 460	Linear Algebra II	3	_____	_____
MATH 490	Abstract Algebra I	3	_____	_____
MATH 491	Abstract Algebra II	3	_____	_____
MATH 396	Topics	3	_____	_____
OR				
MATH 496	Topics	3	_____	_____