

Name: _____ ID: _____ Date: _____ Advisor: _____

Mathematics Education Option – Bachelor of Science in Mathematics

This option prepares students wanting to teach mathematics at the secondary level. Certification is required for public school teaching.

COURSE	TAKEN ?	NOTES
MATH 1401 – Calculus I		
MATH 2411 – Calculus II		
MATH 2421 – Calculus III		
MATH 3000 – Introduction to Abstract Math		
MATH 3140 – Introduction to Modern Algebra		
MATH 3191 – Applied Linear Algebra		
MATH 3210 – Higher Geometry I		
MATH 3250 – Problem Solving Tools		
MATH 3800 – Probability & Statistics for Engineers		
MATH 4010 – History of Mathematics		
MATH 4310 – Intro to Real Analysis I		
MATH 4012 – An Advanced Perspective on Number and Operation		
MATH 4013 – An Inquiry Based Approach to Geometry		
MATH 4014 – Statistical Knowledge for Teaching		
MATH 4015 – Capstone Course for Secondary Teachers		
MATH 4408 or 4409 – Introduction to Graph Theory or Applied Combinatorics		
One of the Following; MATH 3200, 3301, 3302, 4779, 4791, 4792, or 4794 – Differential Equations, Introduction to Operations Research I, Operations Research II, Math Clinic, Continuous Modeling, Probabilistic Modeling, or Optimization Modeling.		

If a cancellation, non-offering, or scheduling conflict prevents the timely completion of the Mathematics major, contact an advisor. No class may be used for more than one category. You must also meet the following requirements.

1. In order for this option to appear on your transcript, you must complete a form with your CLAS advisor before the last semester of your senior year.
2. An advisor must approve the classes in your major. This should be done before completing MATH 3000.
3. A C- or better is needed in each class counted towards your major. Your grade point average must be at least 2.0 in all MATH classes. You must take at least 15 upper division (3000 or above) MATH credits (5 classes) at UC-Denver.

4. The semester you graduate, you must:
 - Create a portfolio containing two papers demonstrating your mathematical and writing abilities. These papers can be projects done while taking a class.
 - Participate in an exit interview with one Math faculty. This can be scheduled through Angela Beale.
 - Complete a senior survey.
5. You must satisfy the requirements of the College of Liberal Arts and Sciences (CLAS). Contact CLAS advising office (303-556-2555) for details.
6. To graduate as a Mathematics major, must have a minimum of 30 hours of resident credit (letter grades received at UCD). Furthermore, 21 out of the last 30 hours must be taken in UCD CLAS courses. Finally, at least 15 upper-division mathematics credits must be taken at UC Denver. For the most current CLAS residency requirements, please visit:
<http://thunder1.cudenver.edu/clas/advising/coreGeneral.html>

Those considering graduate study in mathematics should take Introduction to Real Analysis I and II (MATH 4310 and 4320). Students with at least a 3.5 major grade point average, at least 3.2 overall grade point average, and who have done an honors project are eligible to graduate with honors. See an advisor (or the honors advising sheet) for details.