MIDDLE SCHOOL MATHEMATICS EDUCATION, BACHELOR OF SCIENCE

The Middle School Mathematics major, which leads to a B.S. degree, is specifically designed to lead to a Colorado teaching license for Middle School Mathematics (grades 6-8). It requires the completion of an Education Minor as well, which will be added to students' programs once they are fully admitted to Education.

Specific Program Requirements

Course	litle	Credits
General Education	on Requirements	
General Education	on Skill Requirements:	
ENG 101	Rhetoric & Writing I (GT-CO1)	3
ENG 102	Rhetoric & Writing II (GT-CO2)	3
MATH 156	Introduction to Statistics (GT-MA1)	3
General Education	on Knowledge Requirements:	
Humanities		
CID 103	Speaking & Listening	3
Humanities Elec	tives	6
History		
History Elective		3
Social Scienc	es	
PSYC 151	Human Development (GT-SS3)	3.0
Social Sciences	Elective	3
Natural Scien	ces	
Laboratory Scien	nce Sequence	10
Major Requireme	ents	
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5
MATH 207	Matrix and Vector Algebra with Applications	3
MATH 224	Calculus and Analytic Geometry II	5
MATH 319	Number Theory	3
MATH 330	Introduction to Higher Geometry	3
MATH 360	Elementary Mathematics Concepts I	3
MATH 361	Elementary Mathematics Concepts II	3
MATH 362	Problem Solving for K-6 Teachers	3
MATH 463	History of Mathematics	3
Electives in Math	n/Math Ed	7
Computer Progra	amming	4
Electives		7
Minor Requireme	ents	
Education Minor	requirements listed below.	37
Total Credits		123

1. Credit hours for this course are counted in ED minor

Specific Requirements for Secondary & K-12 Education/Minor

The student must complete an appropriate major and the following Education courses:

Course	Title	Credits
Select one of the	following:	
PSYC 151	Human Development (GT-SS3) 1	3
or PSYC 251	Childhood and Adolescence	
or PSYC 342	Educational Psychology	
ED 202	Foundations of Education	3
ED 280	Educational Media and Technology ²	3
ED 301	Frameworks of Teaching (Admission to Education is completed in this course)	n 4
RDG 435	Disciplinary Literacy 3, 5	4
Special Methods i Education) ^{5, 6}	n Education Areas (Prerequisites - Admission to	4
ED 412	Teaching Diverse Learners ^{4, 5}	3
ED 485	Capstone Seminar in Education	1
ED 488	Student Teaching Secondary	12
or ED 489	Student Teaching K-12	
Total Credits ³		37-40

- Music students may take PSYC 151 Human Development (GT-SS3) (3 c.h.) or PSYC 251 Childhood and Adolescence (3 c.h.).
- Music Education students may complete MUS 103 Music and Computer Technology I (1 c.h.) and MUS 306 Technology for Music Educators (2 c.h.) for ED 280 Educational Media and Technology (3 c.h.).
- ³ English/Language Arts student must also complete RDG 355 Linguistics for Educators (3 c.h.)
- Physical Education students may complete EPER 465 Adapted Physical Education (3 c.h.) or ED 412 Teaching Diverse Learners (3 c.h.).
- GPA of 2.6 required

Credits

⁶ English/Language Arts student must also complete ED 447 Teaching English in Secondary Schools (4 c.h.)

Planning Sheet

Disclaimer. The Planning Sheet is designed as a guide for student's planning their course selections. The information on this page provides only a suggested schedule. Actual course selections should be made with the advice and consent of an academic advisor. While accurately portraying the information contained in the college catalog, this form is not considered a legal substitute for that document. Students should become familiar with the catalog in effect at the time in which they entered the institution.

Note: Students completing a major with an emphasis in Secondary Education are required to complete a minor in Education and to meet all other requirements outlined by the Teacher Education Program.

Course	Title	Credits
Year 1		
Fall		
ED 202	Foundations of Education	3
ENG 101	Rhetoric & Writing I (GT-C01)	3
MATH 126	Calculus & Analytic Geometry I (GT-MA1)	5

Year 4 Fall MATH 463 RDG 435 Math/Math Ed Elective Computer Programming Spring ED 485 ED 488	Credits History of Mathematics Disciplinary Literacy Credits Capstone Seminar in Education Student Teaching Secondary Credits	13 3 4 4 4 15 1 12 13
Year 4 Fall MATH 463 RDG 435 Math/Math Ed Elective Computer Programming Spring ED 485	History of Mathematics Disciplinary Literacy Credits Capstone Seminar in Education	3 4 4 4 15
Year 4 Fall MATH 463 RDG 435 Math/Math Ed Elective Computer Programming Spring	History of Mathematics Disciplinary Literacy Credits	3 4 4 4 15
Year 4 Fall MATH 463 RDG 435 Math/Math Ed Elective Computer Programming	History of Mathematics Disciplinary Literacy	3 4 4 4
Year 4 Fall MATH 463 RDG 435 Math/Math Ed Elective	History of Mathematics Disciplinary Literacy	3 4 4 4
Year 4 Fall MATH 463 RDG 435 Math/Math Ed Elective	History of Mathematics	3 4 4
Year 4 Fall MATH 463 RDG 435	History of Mathematics	3
Year 4 Fall MATH 463	History of Mathematics	3
Year 4 Fall		
Year 4	Credits	13
	Credits	13
Elective	Credits	13
Elective		
		4
Math/Math Ed Elective	(0.1111)	3
MATH 156	Introduction to Statistics (GT-MA1)	3
Spring ED 412	Teaching Diverse Learners	3
	Credits	16
Elective		3
General Education Social S	Sciences Elective	3
General Education Human		3
MATH 477	Methods for Teaching Secondary Math	4
MATH 362	Problem Solving for K-6 Teachers	3
Fall		
Year 3	Credits	16
General Education Human		3
MATH 361	Elementary Mathematics Concepts II	3
MATH 330	Introduction to Higher Geometry	3
MATH 319	Number Theory	3
ED 301	Frameworks of Teaching	4
Spring		
	Credits	15
General Education History	Elective	3
or PSYC 251	or Childhood and Adolescence	3
PSYC 151	Human Development (GT-SS3)	3
MATH 360	Elementary Mathematics Concepts I	3
MATH 207	Matrix and Vector Algebra with Applications	3
Fall ED 280	Educational Media and Technology	3
Year 2		
	Credits	16
CHEM 122L or PHYS 222L	General Chemistry Lab II (GT-SC1) or General Physics II Lab (GT-SC1)	1
or PHYS 222	or General Physics II	7
CHEM 122	General Chemistry II (GT-SC2)	4
MATH 224	Rhetoric & Writing II (GT-CO2) Calculus and Analytic Geometry II	3 5
CID 103 ENG 102	Speaking & Listening	3
Spring		
	Credits	16
	or General Physics I Lab	
or PHYS 221L	General Chemistry Lab I (GT-SC1)	1
CHEM 121L or PHYS 221I	or deficial raysics i	
****	General Chemistry I (GT-SC2) or General Physics I	4