

Mathematics Education, BA

Academic Plans

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Mathematics Education, BA

Course	Title	Hours
Academic Career		
Any Semester		
Admission to the Teacher Education Program, College of Education, is by competitive application. For information about application requirements, process, and deadlines, please consult an advisor for the College of Education.		
Students must maintain a GPA of at least 2.70 in professional education course requirements.		
Students must earn another major at the University of Iowa in order to earn the BA in mathematics education. Both degrees may be earned at the same time. ^a		
Graduates who have earned one of these degrees at another institution and wish to earn the BA in mathematics education should consult the Department of Teaching and Learning; additional coursework may be required.		
GE CLAS Core: Sustainability ^b		
Hours		0
First Year		
Fall		
MATH:1850	Calculus I ^c	4
ENGL:1200	The Interpretation of Literature	3 - 4
or RHET:1030	or Rhetoric	
GE CLAS Core: World Languages First Level		4 - 5
Proficiency or elective course ^d		
CSI:1600	Success at Iowa	2
Hours		13-15
Spring		
PSQF:1075	Educational Psychology and Measurement	3
MATH:1860	Calculus II	4
RHET:1030	Rhetoric	3 - 4
or ENGL:1200	or The Interpretation of Literature	
GE CLAS Core: World Languages Second Level		4 - 5
Proficiency or elective course ^d		
10-hour pre-admission school field experience ^e		
Hours		14-16
Summer		
Prepare materials for Teacher Education Program application (e.g. essays, letters of recommendation)		
Hours		0

Second Year

Fall

EPLS:3000	Foundations of Education	3
GE CLAS Core: International and Global Issues ^g		3
GE CLAS Core: World Languages Third Level		4 - 5
Proficiency or elective course ^d		

Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)		8
--	--	---

Admission Application: apply to the Teacher Education Program^f

Hours		18-19
--------------	--	--------------

Spring

EDTL:3002	Teaching and Learning Technologies	2
-----------	------------------------------------	---

EDTL:3091	Secondary Education Program Orientation and Classroom Management	3
-----------	--	---

EDTL:3095	Teaching Reading in Secondary Content Areas	1
-----------	---	---

GE CLAS Core: Social Sciences ^g		3
--	--	---

GE CLAS Core: World Languages Fourth Level		4 - 5
Proficiency or elective course ^d		

Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)		3
--	--	---

Hours		16-17
--------------	--	--------------

Third Year

Fall

EDTL:3532	Introduction and Practicum: Mathematics	3
-----------	---	---

EDTL:4900	Foundations of Special Education	3
-----------	----------------------------------	---

GE CLAS Core: Historical Perspectives ^g		3
--	--	---

Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)		7
--	--	---

Hours		16
--------------	--	-----------

Spring

EDTL:3534	Methods: Middle School Mathematics	3
-----------	------------------------------------	---

EPLS:4180	Human Relations for the Classroom Teacher	3
-----------	---	---

GE CLAS Core: Natural Sciences without Lab ^g		3
---	--	---

Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)		8
--	--	---

Apply for student teaching (see the College of Education website for application instructions and deadlines)

Hours		17
--------------	--	-----------

Fourth Year

Fall

EDTL:4535	Methods: High School Mathematics	3
-----------	----------------------------------	---

EDTL:4750	Assessment in Science, Technology, Engineering, and Mathematics (STEM)	2
-----------	--	---

EDTL:4751	Learning in the Science, Technology, Engineering, and Mathematics (STEM) Classroom	2
-----------	--	---

GE CLAS Core: Literary, Visual, and Performing Arts ^g		3
--	--	---

GE CLAS Core: Natural Sciences with Lab ^g	4
Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)	7 - 8

Hours		21-22
Spring		
EDTL:4087	Seminar: Curriculum and Student Teaching	3
EDTL:4091	Observation and Laboratory Practice in the Secondary School	6
EDTL:4092	Observation and Laboratory Practice in the Secondary School	6
Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall) ^h		
Hours		15
Total Hours		130-137

- a These majors include a BA in mathematics (program B) or a BS in mathematics (program B) at the University of Iowa.
- b Sustainability must be completed by choosing a course that has been approved for Sustainability AND for one of these General Education areas: Natural Sciences; Quantitative and Formal Reasoning; Social Sciences; Historical Perspectives; International and Global Issues; Literary, Visual, and Performing Arts; or Values and Culture.
- c Enrollment in math courses requires completion of a placement exam.
- d Students who have completed four years of a single language in high school have satisfied the GE CLAS Core World Languages requirement. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course.
- e Complete the College of Education 10-hour pre-admission school field experience verification form available on the Teacher Education Program web page.
- f Please see the College of Education website for detailed application instructions and deadlines. Admission is selective and a priority deadline exists.
- g GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.
- h Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.