Mathematics Education, B.A.

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, B.A.

Course | Title | Hours
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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.

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.

First Year
Fall
MATH:1850 Calculus I b 4
RHET:1030 Rhetoric or ENGL:1200 or The Interpretation of Literature 3 - 4
GE CLAS Core: World Languages First Level Proficiency or elective course c 4 - 5
CSI:1600 Success at Iowa 2

Summer
Prepare materials for Teacher Education Program application (e.g. essays, letters of recommendation)

Second Year
Fall
EPLS:3000 Foundations of Education 3
GE CLAS Core: International and Global Issues f 3
GE CLAS Core: World Languages Second Level Proficiency or elective course c 4 - 5
Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)
Admission Application: apply to the Teacher Education Program e

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 f 3
GE CLAS Core: World Languages Fourth Level Proficiency or elective course c 4 - 5
Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)

Hours 16-17

Third Year
Fall
EDTL:3532 Introduction and Practicum: Mathematics 3
EDTL:4900 Foundations of Special Education Mathematics g 3
GE CLAS Core: Historical Perspectives f 3
Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)

Hours 16

Spring
EDTL:3534 Methods: Middle School Mathematics 3
EPLS:4180 Human Relations for the Classroom Teacher g 3
GE CLAS Core: Natural Sciences without Lab f 3
Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)
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
GE CLAS Core: Literary, Visual, and Performing Arts f 3
GE CLAS Core: Natural Sciences with Lab f 4
Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)

Hours 17-18
Spring
EDTL:4087 Seminar: Curriculum and Student Teaching
EDTL:4091 Observation and Laboratory Practice in the Secondary School
EDTL:4092 Observation and Laboratory Practice in the Secondary School

Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall)

Exam: edTPA

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Total Hours 126-133

a These majors include a BA in mathematics (program B) or a BS in mathematics (program B) at the University of Iowa.
b Enrollment in math courses requires completion of a placement exam.
c 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.
d Complete the College of Education verification of 10 hour field experience form available on the Office of Student Services webpage.
e Please see the College of Education website for detailed application instructions and deadlines. Admission is selective and a priority deadline exists.
f 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.
g Fulfills a major requirement and may fulfill a GE requirement.
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.
i As a requirement for completion of an approved Teacher Education Program for initial teaching licensure, the state of Iowa requires a passing score on this exam. The assessment is required before recommendation for licensure or certification to any state.