Mathematics Education, BA

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 2.00 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.

GE CLAS Core: Sustainability

First Year

Fall

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

Hours 13-15

Spring

PSQF:1075 Educational Psychology and Measurement 3
MATH:1860 The Interpretation of Literature 3 - 4
GE CLAS Core: World Languages Second Level Proficiency or elective course 4 - 5
10-hour pre-admission school field experience 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 3
GE CLAS Core: World Languages Third Level Proficiency or elective course 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

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 3
GE CLAS Core: World Languages Fourth Level Proficiency or elective course 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 3
GE CLAS Core: Historical Perspectives 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 3
GE CLAS Core: Natural Sciences without Lab 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
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 3

Hours 17

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Notes:

1. Admission Application: apply to the Teacher Education Program.
2. GE CLAS Core: World Languages First Level.
3. GE CLAS Core: International and Global Issues.
4. GE CLAS Core: Social Sciences.
5. Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B).
6. Admission to the Teacher Education Program, College of Education, is by competitive application.
7. For information about application requirements, process, and deadlines, please consult an advisor for the College of Education.
8. Students must maintain a GPA of at least 2.00 in professional education course requirements.
9. 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.
10. 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.

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GE CLAS Core: Natural Sciences with Lab 9  
Course(s) required for second degree - consult sample plan for BA or BS in mathematics (Program B)  

<table>
<thead>
<tr>
<th>Hours</th>
<th>21-22</th>
</tr>
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<tbody>
<tr>
<td><strong>Spring</strong></td>
<td></td>
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<tr>
<td>EDTL:4087</td>
<td>Seminar: Curriculum and Student Teaching</td>
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<tr>
<td>EDTL:4091</td>
<td>Observation and Laboratory Practice in the Secondary School</td>
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<tr>
<td>EDTL:4092</td>
<td>Observation and Laboratory Practice in the Secondary School</td>
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Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall)

<table>
<thead>
<tr>
<th>Hours</th>
<th>15</th>
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<tbody>
<tr>
<td><strong>Total Hours</strong></td>
<td>130-137</td>
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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 levels of a single language or two levels of two different languages in high school or college have satisfied the GE CLAS Core World Languages requirement. Students who have completed three levels of a single language may complete a fourth-level course in the same language or may choose an approved World Language and Cultural Exploration course. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course. Contact your academic advisor or CLAS Undergraduate Programs Office with questions concerning the World Languages requirement.
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 Degree Services.