BA IN GEOLOGY + MAT IN ADOLESCENCE ED: EARTH SCIENCE

We've developed this program in response to popular demand from students and parents who have called for a pathway to fulfilling jobs in education and science, and to school districts who report an increasing number of full-time job openings in STEM disciplines. Graduation from the Five-Year Master Plan empowers students with options to choose the career they find most fulfilling, whether that means becoming a science teacher, working as a chemist, or pursuing a Ph.D.

How does it work?

ENROLL in the Five-Year Master Plan and begin taking foundational science courses as a first-year student.

MAINTAIN a 3.0 GPA as you take embedded education courses and pursue your Bachelor of Arts (BA) degree in Geology.

QUALIFY for early admission to the graduate program during your junior year.

EARN your BA degree in four years, while taking education courses to prepare for your accelerated graduate program.

COMPLETE the MAT program, including all student teaching requirements in just one year.

Admission Requirements

To participate in the BA/MAT program in Geology, interested undergraduates should:

1. Submit a Declaration of Major/Change of Major form indicating the BA/MAT program in Geology (major 51ES) to the office of Records and Registration (Wooster Hall, rm. 115).

2. Meet with Professor Brandon to begin selecting courses. Maintain a GPA of 3.0 and take the Graduate Record Exam (GRE) general exam in the spring of your sophomore year to fulfill admission requirements for the graduate program.

Early Admission to Graduate Program

During their junior year, students finalize their early admission to the Master of Arts in Teaching program:

• Apply using the link above.

• Create an account or log in and follow the steps.

• Select the fall term when you would like to begin your graduate coursework and major code (102E).

NOTE: This program only admits for the fall term.

• Select “BA Geology/MAT Adolescence Ed: Earth Science Program” as the intended curriculum.

Upload Checklist Items

To expedite a faculty review of an application, students may upload the following items:

• Admission Essay

• Student copies of transcripts* from every college/university attended

• Student copies of GRE scores*

* Full admission REQUIRES the submission of official transcripts and test scores.

Check Your Application Status

• Check your application status via the applicant portal.

BA in Geology

Course | Title | Credits
Year 1
Fall
Education Seminar | 1
ENG160 | Composition I | 3
CHE201 | General Chemistry I | 3
CHE211 | General Chemistry I Lab | 1
MAT251 | Calculus I | 4
GLG201 | Physical Geology | 3
GLG211 | Physical Geology Laboratory | 1

Credits: 16

Spring
ENG180 | Composition II | 3
CHE202 | General Chemistry II | 3
CHE212 | General Chemistry II Lab | 1
GLG202 | Historical Geology | 4
MAT252 | Calculus II | 4
SED354 | Foundations of Secondary Education Seminar | 1

Credits: 16

Year 2
Fall
PHY201 | General Physics 1 | 3
PHY211 | Physics 1 Laboratory | 1
GLG311 | Mineralogy and Crystallography | 4
Elementary Foreign Language I | 3
Humanities course | 3

Credits: 14

Spring
EDS340 | Sociological and Philosophical Foundations of Education | 3
EDS372 | Developing Adolescence | 3
GLG314 | Petrology | 4
PHY202 | General Physics 2 | 3
PHY212 | General Physics 2 Lab | 1
Elementary Foreign Language II | 3

Credits: 17

Year 3
Fall
Arts course | 3
GLG331 | Stratigraphy-Sedimentation | 4
GLG305 | Paleontology | 4
or GLG407 | Hydrogeology | 4
PHY205 | Exploring the Solar System | 3
or PHY206 | Exploring the Universe | 3
Take the GRE

Credits: 14
### Spring

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO201</td>
<td>General Biology I (or other 4 credit science</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>elective)</td>
<td></td>
</tr>
<tr>
<td>BIO211</td>
<td>Gen Bio 1 Lab</td>
<td>1</td>
</tr>
<tr>
<td>PHY205</td>
<td>Exploring the Solar System</td>
<td>3</td>
</tr>
<tr>
<td>or PHY206</td>
<td>Exploring the Universe</td>
<td></td>
</tr>
<tr>
<td>GLG120</td>
<td>Weather and Environment</td>
<td>4</td>
</tr>
<tr>
<td>EDS383</td>
<td>Introduction to Literacy for Diverse Learners</td>
<td>3</td>
</tr>
<tr>
<td>Other World Course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Apply to the MAT program in Adolescence Ed: Earth Science

**Credits 17**

### Year 4

#### Fall

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLG405</td>
<td>Structure and Tectonics</td>
<td>4</td>
</tr>
<tr>
<td>GLG435</td>
<td>Field Geology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Geology course by advisement</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>Western Civilization course</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credits 14-15**

#### Spring

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SED453</td>
<td>Curriculum and Assessment in the Secondary</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>School</td>
<td></td>
</tr>
<tr>
<td>SED353</td>
<td>Field Work #1</td>
<td>1</td>
</tr>
<tr>
<td>SED356</td>
<td>Teaching and Learning in the Digital Environment</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Integrating ELLs in the School &amp; Classroom</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Graduate education or geology liberal arts elective by advisement</td>
<td>3</td>
</tr>
</tbody>
</table>

**Credits 13**

### MAT in Adolescence Ed: Earth Science

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer (3 Credits)</td>
<td>Select ONE of the following if offered: discipline-specific education course, an approved diversity course, or an approved course in discipline</td>
<td>3</td>
</tr>
<tr>
<td>Fall (13 Credits)</td>
<td>Select TWO of the following courses not taken during summer: discipline-specific education, an approved diversity course, or an approved course in discipline</td>
<td>6</td>
</tr>
<tr>
<td>SED543</td>
<td>Science in the Secondary School</td>
<td>3</td>
</tr>
<tr>
<td>SED552</td>
<td>Field Experience II</td>
<td>1</td>
</tr>
<tr>
<td>SPE565</td>
<td>Teaching in Inclusive Classrooms</td>
<td>3</td>
</tr>
<tr>
<td>Spring (14 Credits)</td>
<td>SED604 Practicum in Secondary Ed 7-9</td>
<td>6</td>
</tr>
<tr>
<td>SED605</td>
<td>Practicum in Secondary Ed 10-12</td>
<td>6</td>
</tr>
<tr>
<td>SED606</td>
<td>Practicum Seminar</td>
<td>1</td>
</tr>
<tr>
<td>SED553</td>
<td>Field Experience III</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credits 121-122**