

Earth Science Education Majors checklist  
Bachelor of Arts in Geology and Certification in Earth/Space Science Teaching

For graduation, you need to satisfy the following requirements. This checklist summarizes some of the information in the IUPUI Bulletin (<http://bulletin.iupui.edu>). **Please consult with your advisor regularly to be sure you are meeting all graduation requirements.**

**General Education (16 credit hours)\***

- SCI I120 Windows on Science (1 cr.)
- ENG W131 or ENG W140 (Honors) English Composition I (3 cr.) Choice: \_\_\_\_\_
- Second composition course, e.g., ENG W132, or TCM 320 (3 cr.) Choice: \_\_\_\_\_
- COMM R110 Fundamentals of Speech Communication (3 cr.)
- HIST H114 History of Western Civilization II (3 cr.)
- List C course. (See the bulletin for a complete list of options.) (3 cr.) Choice: \_\_\_\_\_

**Foreign Language (10 credit hours)**

- Foreign language courses, e.g., SPAN S117, S118 and S119 or ASL A131 and A132 or demonstrated first-year proficiency in a foreign language (special credit test) Choices: \_\_\_\_\_

**Mathematics and Computer Science (9 credit hours)**

- MATH 153 Algebra and Trigonometry I (3 cr.)
- MATH 154 Algebra and Trigonometry II (3 cr.)
- Computer science elective (CSCI N207 or approved alternative) Choice: \_\_\_\_\_

**Science courses outside geology (17 credit hours)**

- CHEM C105 and CHEM C125 Principles of Chemistry I and Lab (3 cr. / 2 cr.)
- CHEM C106 and CHEM C126 Principles of Chemistry II and Lab (3 cr. / 2 cr.)
- BIOL N107 Exploring the World of Animals (4 cr.)  
and BIOL N108 Plants, Animals and the Environment (3 cr.)

**Geology courses (31 - 32 credit hours)#**

- GEOL G110 and GEOL G120 Physical Geology and Lab (3 cr. / 1 cr.)
- GEOL G205 Reporting Skills in Geoscience (3 cr.)
- GEOL G209 History of the Earth (3 cr.)
- GEOL G221 Introductory Mineralogy (substitute GEOL G306 Earth Materials) (4 cr.)
- GEOL G222 Introductory Petrology (4 cr.)  
(substitute GEOL G418 Igneous and Metamorphic Petrology 3 cr.)
- GEOL G304 Principles of Paleontology (3 cr.)
- GEOL G334 Principles of Sedimentation and Stratigraphy (4 cr.)
- GEOL electives (Any two: G406, G418, G420, G430, G431, G447, G451) Choices: \_\_\_\_\_

**Notes**

\*Six credit hours of School of Science general education requirements are fulfilled by EDUC courses.

^The Geology integrator course requirement is fulfilled by EDUC M446.

#The Geology capstone experience requirement is fulfilled by EDUC M480 Student Teaching.

## **Education (40 to 43 credit hours)**

Students begin the application process to the Teacher Education Program as sophomores, ~8 months prior to the semester they wish to begin. The Praxis I exam must be taken 6 weeks before the application deadline. Application deadlines are Feb 7 to start in Fall, and September 7 to start in Spring. Ideally, EDUC H341 is taken during the semester the student applies to the Teacher Education Program.

For more information, see <http://education.iupui.edu/soe/applying/undergraduate/sublttl/index.aspx>.

<input type="checkbox"/> EDUC F200 Examining Self as a Teacher (3 cr.) ( <i>Optional</i> )	
<input type="checkbox"/> EDUC H341 American Culture and Education ( <i>Note: Satisfies the List H requirement.</i> )* <sup>+</sup> (3 cr.)	
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<input type="checkbox"/> EDUC M322 Diversity and Learning: Reaching Every Adolescent ( <i>Note: Satisfies the List S req.</i> )* (6 cr.)	Block I
<input type="checkbox"/> EDUC M403 Field Experience (1 cr.)	Block I
<input type="checkbox"/> EDUC M469 Content Area Literacy (3 cr.)	Block I
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<input type="checkbox"/> EDUC K306 Teaching Students with Special Needs in Secondary Classrooms (3 cr.)	Block IIa
<input type="checkbox"/> EDUC M404 Field Experience: Middle School (0 cr.)	Block IIa
<input type="checkbox"/> EDUC S420 Teaching/Learning in the Middle School (3 cr.)	Block IIa
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<input type="checkbox"/> EDUC M446 Methods of Teaching Senior High/Junior High/Middle School Science (3 cr.)	Block IIb+
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<input type="checkbox"/> EDUC S430 Teaching/Learning in the High School (3 cr.)	Block III
<input type="checkbox"/> EDUC M405 Field Experience (0 cr.)	Block III
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<input type="checkbox"/> EDUC M451 Student Teaching in Middle School (8 cr.)	Student Teaching
<input type="checkbox"/> EDUC M480 Student Teaching in High School# (8 cr.)	Student Teaching

## **Other Requirements**

- Total credit hours: minimum 123.
- IUPUI residency: minimum 32 credit hours at the 300-level and above.
- Geology Residency: minimum 12 credit hours and four courses at IUPUI.
- Good academic standing for Teacher Education Program (minimum GPA 2.5).
- Check rules regarding overlapping courses, disallowed courses, correspondence courses, etc., in the IUPUI School of Science Bulletin under Undergraduate Programs, Baccalaureate Degree.

## **Notes**

\*: Six credit hours of School of Science general education requirements are fulfilled by EDUC courses.

^: The Geology integrator course requirement is fulfilled by EDUC M446.

#: The Geology capstone experience requirement is fulfilled by EDUC M480 Student Teaching.

+: Block IIb is only offered in the Spring semester; Students take Block IIb either with Block IIa or with Block III.