

Earth Science Education Majors checklist (**Draft**)
B.A. in Geology and Certification in earth/space science

This checklist summarizes 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 or 17 credit hours)*

- | | |
|--|---------------|
| <input type="checkbox"/> SCI I120 or EDUC F100 (Learning community) (1-2 cr.) | Choice: _____ |
| <input type="checkbox"/> ENG W131 or ENG W140 (Honors) English Composition I (3 cr.) | Choice: _____ |
| <input type="checkbox"/> Second composition course, e.g., ENG W132, or TCM 320 (3 cr.) | Choice: _____ |
| <input type="checkbox"/> COMM R110 Fundamentals of Speech Communication (3 cr.) | |
| <input type="checkbox"/> HIST H114 History of Western Civilization II (3 cr.) | |
| <input type="checkbox"/> List C course. (See the bulletin for a complete list of options.) (3 cr.) | Choice: _____ |

Education (43 credit hours)

- | | |
|--|----------------------------|
| <input type="checkbox"/> EDUC F200 Examining Self as a Teacher (3 cr.) | (3, MW 1.25) |
| <input type="checkbox"/> EDUC H341 American Culture and Education (<i>Note: Satisfies the List H requirement.</i>)* (3 cr.) | (3, MW 1.25) |
| <input type="checkbox"/> EDUC M301 Field Experience (1 cr.) | Block I
[1, OC] |
| <input type="checkbox"/> EDUC M322 Diversity and Learning: Reaching Every Adolescent (<i>Note: Satisfies the List S req.</i>)* (6 cr.) | Block I
(6, TR 4) |
| <input type="checkbox"/> EDUC M303 Field Experience: Middle School (1 cr.) | Block IIa
[1, OC] |
| <input type="checkbox"/> EDUC S420 Teaching/Learning in the Middle School (3 cr.) | Block IIa
(3, T 4) |
| <input type="checkbox"/> EDUC M469 Content Area Literacy (3 cr.) | Block IIa
(3, R 4) |
| <input type="checkbox"/> EDUC M408 Field Experience (0 cr.) | Block IIb
[0, OC] SO |
| <input type="checkbox"/> EDUC M446 Methods of Teaching Senior High/Junior High/Middle School Science^ (3 cr.) | Block IIb
(3, T 2.6) SO |
| <input type="checkbox"/> EDUC M304 Field Experience (1 cr.) | Block III
[1, OC] |
| <input type="checkbox"/> EDUC S430 Teaching/Learning in the High School (3 cr.) | Block III
(3, TR 2.2) |
| <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 |

Foreign Language (10 credit hours)

- | | |
|--|----------------|
| <input type="checkbox"/> Foreign language courses, e.g., SPAN S131 and S132 or ASL A131 and A132
or demonstrated first-year proficiency in a foreign language | Choices: _____ |
|--|----------------|

Mathematics and Computer Science (9 credit hours)

- | | |
|--|---------------|
| <input type="checkbox"/> MATH 153 Algebra and Trigonometry I (3 cr.) | |
| <input type="checkbox"/> MATH 154 Algebra and Trigonometry II (3 cr.) | |
| <input type="checkbox"/> Computer science elective (CSCI N207 or approved alternative) | Choice: _____ |

Science courses outside geology (17 credit hours)

- | | |
|--|--|
| <input type="checkbox"/> CHEM C105 and CHEM C125 Principles of Chemistry I and Lab (3 cr. / 2 cr.) | |
| <input type="checkbox"/> CHEM C106 and CHEM C126 Principles of Chemistry II and Lab (3 cr. / 2 cr.) | |
| <input type="checkbox"/> BIOL N107 Exploring the World of Animals (4 cr.)
and BIOL N108 Plants, Animals and the Environment (3 cr.) | |

Geology courses (35 - 36 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 G323 Structural Geology (4 cr.)
- ☐ GEOL G334 Principles of Sedimentation and Stratigraphy (4 cr.)
- ☐ GEOL electives (G420 and G415 or 430)

Choices: _____

Other Requirements

- ☐ Total credit hours: minimum 122.
- ☐ 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: minimum GPA 2.0.
- ☐ 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.