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.) Choice: __________
- 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.)

**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.

☐ EDUC F200 Examining Self as a Teacher (3 cr.) (Optional)
☐ EDUC H341 American Culture and Education (Note: Satisfies the List H requirement.)*+ (3 cr.)

☐ EDUC M322 Diversity and Learning: Reaching Every Adolescent (Note: Satisfies the List S req.)* (6 cr.) Block I
☐ EDUC M403 Field Experience (1 cr.) Block I
☐ EDUC M469 Content Area Literacy (3 cr.) Block I

☐ EDUC K306 Teaching Students with Special Needs in Secondary Classrooms (3 cr.) Block IIa
☐ EDUC M404 Field Experience: Middle School (0 cr.) Block IIb
☐ EDUC S420 Teaching/Learning in the Middle School (3 cr.) Block IIa

☐ EDUC M446 Methods of Teaching Senior High/Junior High/Middle School Science (3 cr.) Block IIb+

☐ EDUC S430 Teaching/Learning in the High School (3 cr.) Block III
☐ EDUC M405 Field Experience (0 cr.) Block III

☐ EDUC M451 Student Teaching in Middle School (8 cr.) Student Teaching
☐ 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.