

Southern Illinois University Edwardsville
BACHELOR OF SCIENCE - EARTH and SPACE SCIENCE

Secondary Education Certification: Grades 6-12**

This guide provides only a suggested course of study and should be used in consultation with an advisor and the SIUE Undergraduate Catalog, available online at www.siu.edu/registrar/.

YEAR	FALL	SPRING
1	CHEM 121a General Chemistry I (Intro NSM) 4 CHEM 125a General Chemistry Lab I 1 MATH 150 Calculus I (Intro NSM) 5 ENG 101 English Composition I 3 IME 106 (recom), PHIL 106, or MATH 106 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 16	BIOL 150 Intro to Biological Systems I 4 CHEM 121b General Chemistry II (Dist NSM) 4 CHEM 125b General Chemistry Lab II 1 ENG 102 English Composition II 3 PSYC 111 Found of Psyc (recom Intro SS) 3 SPC 103 Interpersonal Comm. (IGR)^ 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 18
2	BIOL 151 Intro to Biological Systems II 4 CI 200 Introduction to Education 2 ESCI 111 Intro to Phys Geology & Geography 3 PHYS 131a College Physics I 5 STAT 244 Statistics 4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 18 Complete ICTS Basic Skills Test for Admission to the Teacher Cert. Program	CHEM 241a Organic Chemistry 3 GEOG 210 Physical Geography 3 GEOG 211 Meteorology 3 PHYS 118 Astronomy 3 PHYS 131b College Physics II 5 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 17
3	GEOG 314 Climatology 3 PHYS 208 Space Physics* 3 ENG 111 Intro to Lit (recom Intro FAH) 3 Intro Fine Arts & Hum or Intro Social Sciences 3 IS 364 The Atomic Era (II/IC)* 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 15	GEOG 202 Resource Use and Management 3 PHYS 434 Instruct Strategies for Astronomy 3 SCI 451 Integrated Science# 3 Science ELECTIVE 3 Dist Fine Arts & Humanities 3 Dist Social Sciences 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 18
4	CHEM 494 or PHYS 494* Methods of Teaching Chem or Physics in Sec Schools 3 CI 315a Methods for Teaching in Sec Schools 2 CI 440 Teaching Reading in Sec School+ 3 EPFR 315 Educational Psychology 3 EPFR 320 Foundations of Education in a Multicultural Society 3 SPE 400 Exceptional Child 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 17	CI 315b Methods for Teaching Sec Schools 2 CI 352h Student Teaching – Earth Science 10 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> 12

^ If SPC 105 is taken instead of SPC 103, then a course from the list of Intergroup Relations in the current SIUE catalog must also be taken.

* Course offered only during Fall Semester.

Course offered only during Spring Semester and occasionally during Summer Semester.

+ It is preferable to complete CI 440 *prior* to student teaching; however, if necessary, it is possible to take CI 440 during the semester in which student teaching is done.

** Adding a Middle School Endorsement: To be certified to teach middle school (grades 6-8), student must take two additional education courses, EPFR 415, Middle School Learner, and CI 707, Middle & Junior High School. Please see an OCECA advisor for the appropriate placement of these courses into the curriculum.

Note: Students seeking secondary education certification after February 2012 must have grades of C or higher in all general education, major content, and professional education courses. Grades of D are no longer accepted by the Illinois State Board of Education for certification purposes.

Students may elect to take courses during the summer term to lessen the academic load.

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Declaring an Earth and Space Science Education Major: In order to declare a major in Earth and Space Science, it is necessary to have:

1. Completed all Academic Development courses required by the University;
2. Completed any required courses to address high school deficiencies;
3. A cumulative grade point average of 2.0 (on a 4.0 scale).

In order to be admitted into the teacher certification program, students must:

1. Receive a grade of C or above in ENG 101 and ENG 102;
2. Complete 43 semester hours of course credit and have a cumulative grade point average of 2.5 or higher (this includes work at other institutions);
3. Successfully complete the introductory course CI 200;
4. Pass the ICTS Basic Skills Test. Information about this test is available at: www.icts.nesinc.com.

For further information concerning Earth and Space Science requirements, contact the Physics Department, SL 2331, 650-2472, or CAS Undergraduate Advising, PH 1315, 650-5525.

For additional information concerning teacher certification, consult Pamela Fetters (last names A-K) or Elaine Farrar (last names L-Z), FH 1110, 650-3940.