

**Environmental Science B.A., with Secondary Science Licensure**  
**You must meet with an education advisor regarding admission into the teacher education program**  
**303-556-3143 Science Building 231**

Catalog 09-10

This sheet applies to the 2009-2010 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies (MTH 1410 included)	38	
Major courses	59	
Licensure/minor	28	
<b>Total to graduate (min. 40 hrs. upper division)</b>	<b>125 min</b>	

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

**GENERAL STUDIES**

Composition

- \_\_\_ ENG1010-3 Freshman Comp: the Essay
- \_\_\_ ENG1020-3 Freshman Comp: Anal., Rsrch & Docum.

Mathematics

- \_\_\_ MTH 1400-4 Precalculus Mathematics

Communications

- \_\_\_ SPE 1010-3 Public Speaking

Historical

- \_\_\_ -3

Arts & Letters

- \_\_\_ -3
- \_\_\_ -3

Social Sciences (counted as GS)

- \_\_\_ EDS 3130-3 Foundations of Educational Psych.& Philosophy
- \_\_\_ EDS 3150-3 Issues in Multicultural Education in Urban Secondary Schools

Natural Sciences

- \_\_\_ -5 PHY 2010 & 2030 College Physics I & Lab
- \_\_\_ -5 PHY 2020 & 2040 College Physics II & Lab

Multicultural Requirement

- (*may be satisfied within General Studies, major, minor or elective*)
- \_\_\_ EDS 3150-3 Issues in Multicultural Education in Urban Secondary Schools

**MAJOR COURSES**

Environmental Science Core:

- \_\_\_ BIO 1080-3 General Biology I
- \_\_\_ BIO 1090-1 General Biology Laboratory I
- \_\_\_ ENV1200-3 Introduction to Environmental Science
- \_\_\_ GEG1220-2 Map Use
- \_\_\_ MTH1210-4 Introduction to Statistics
- \_\_\_ ENV 4960-3 Global Environmental Challenges

Additional Science Requirements:

- \_\_\_ BIO 1081-3 General Biology II
- \_\_\_ BIO 1091-1 General Biology II Laboratory
- \_\_\_ CHE 1100-4 Principles of Chemistry
- \_\_\_ CHE 1150-1 Principles of Chemistry Lab
- \_\_\_ CHE 2100-5 Introduction to Organic and Biological Chemistry
- \_\_\_ ENV 3400-3 Water Resources
- \_\_\_ ENV 3540-2 Advanced Geologic & Environmental Hazards Denver & Vicinity
- \_\_\_ ENV 4000-3 Environmental Geology
- \_\_\_ GEL 1010-4 General Geology
- \_\_\_ GEL 1030-4 Historical Geology
- \_\_\_ GEL 3150-3 Hydrogeology
- \_\_\_ GIS 2250-3 Introduction to Geographic Information System
- \_\_\_ MTR 2400-4 Introduction to Atmospheric Science

Methods Course:

- \_\_\_ SCI 3950-3 Methods of Teaching Science
- \_\_\_ SCI 3960-3 Field Experience in Teaching Science in Secondary Schools

MINOR/SECONDARY SOCIAL STUDIES LICENSURE (OVER)

See Teacher Education advisor  
 To get a schedule of information meetings for prospective education students, please stop by WC 136 or call the Teacher Application Center at 303-556-3691.

## **Secondary Education Required Courses**

**Catalog 09-10**

EDS 3130 – 3 hours	Foundations of Educational Psychology and Philosophy (GS Social Sciences, General Studies)
EDS 3140 – 3 hours	First Field Experience in Secondary Education
EDS 3150 – 3 hours	Issues in Multicultural Education in Urban Secondary Schools (GS Social Sciences & Multicultural)
EDS 3210 – 3 hours**	Standards-Based Curriculum, Assessment, & Classroom Management in the Secondary School
EDT 3610 – 2 hours	Applications of Educational Technology
RDG 3280 – 4 hours	Teaching Literacy Skill Development in the Content Areas
SED 3600 – 3 hours	The Exceptional Learner in the Classroom
EDS 4290 – 6-12 hours	Student Teaching and Seminar: Secondary 7-12 (MTH candidates take MTL 4690-12)

\*These two courses must be taken concurrently.

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For each approved major there is a program plan, which includes a list of required education and content area courses. See a content advisor to determine content major requirements and an education advisor to determine program requirements that must be met prior to application for student teaching. This includes a Methods of Teaching the Major course as well.

Note: Content area methods courses in your major may not be offered every semester. Check with your content advisor for a schedule. Professional course work less than 7 years old may be substituted with approval of your licensure advisor.

If you already have a bachelor's degree, you will need to meet with a secondary education faculty advisor to devise a plan to meet content and licensure requirements. Please bring transcripts and course descriptions from previous institutions to aid in this process.

For questions about student teaching, please contact Student Teaching Center, located in West Classroom 141, or call 303-556-2652.