



BA – Earth Sciences & Chemistry Education Concentration

The EES-BA-Earth Sciences/Chemistry Education Concentration is designed for students pursuing careers as high school (Adolescent/Young Adult) teachers. Upon completion of the degree, students who wish to pursue teaching licensure must then complete the Professional Educators Program Master of Education (M.Ed.) degree, which is available through Wright State's College of Education and Human Services. Graduates of the undergraduate program and the M.Ed. Professional Educators Program are eligible to seek licensure from the Ohio Department of Education in Earth Sciences and Chemistry.

Wright State Core (40 cr. hours)

Element 1: Communication (2 courses)	6
Element 2: Mathematics:	
MTH 2300 Calculus I	4
Element 3: Global Traditions (2 courses)	6
Element 4: Arts and Humanities (1 course)	3
Element 5: Social Sciences (2 courses)	6
Element 6: Natural Sciences:	
EES 2510 Earth Systems	4
EES 2550 Earth History	4
Additional Core Courses:	
EES 2600 Environmental Science and Society	3
MTH 2310 Calculus II	4

Related Course Requirements (65 cr. hours)

BIO 1120	Cells and Genes	4
BIO 1150	Organisms and Ecosystems	4
CHM 1210/L	General Chemistry & Lab I	5
CHM 1220/L	General Chemistry & Lab II	5
CHM 2110/L	Organic Chemistry & Lab I	6
CHM 2120/L	Organic Chemistry & Lab II	6
CHM 3120/L	Quantitative Analysis/Lab	5
CHM 3510/L	Physical Chemistry & Lab I	5
PHY 1060/L	Astronomy/Lab	4
PHY 2400/L	General Physics & Lab I	5
PHY 2410/L	General Physics & Lab II	5
ED 2600	Introduction to Education	3
ED 2650	Field Experience I	1
ED 2700	Educational Psychology	3
ED 2750	Field Experience II	1
EDS 2900	Individuals With Exceptionalities	3

EES Core Requirements (22 cr. hours)

EES 3100	Earth Science Research	3
EES 3120	Earth Materials	4
EES 3230	Introduction to the Ocean	3
EES 4190	Paleobiology	4
EES 4340	Mapping Methods	2
EES 4350	Field Mapping	2
EES 4510	Scientific Communication	3
EES 4280	EES Colloquium (twice at 0.5 cr hr each)	1

Additional Electives (7 cr. hours)

Choose 7 credit hours NOT from the Colleges of Engineering & Computer Science and Science & Mathematics. At least 4 of these hours must be numbered 3000 or above.

Total Degree Semester Hours = 134

Students pursuing this degree program should meet with an advisor in the College of Education and Human Services to discuss the scheduling of education (ED) courses, obtain information on Praxis testing, and receive information about the Master of Education Program. The CEHS has information about open advising at:
http://www.cehs.wright.edu/studentinfo/student_services/index.php

Dept. of Earth & Environmental Sciences
3640 Colonel Glenn Highway
Dayton, OH 45435-0001
937-775-2201
www.wright.edu/ees



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