BIOLOGY EDUCATION (GRADES 4-12) (IB/M)

Location

- Storrs Campus

Modality

- In Person

Requirements

Biology Education majors are required to complete a subject area major in Biological Sciences consisting of a minimum of 36 credits in natural sciences courses at the 2000 level or above. This includes a minimum of 24 credits of 2000-level or above courses completed in the biological sciences and closely related subject areas. Up to 12 credits may be completed in related areas. Six credits taken at the 1000 level may be included with permission of the science education advisor.

Professional Education Requirements

Majors must also complete the following Professional Education Requirements:

Course	Title	Credits
EDCI 3100/3100W	Multicultural Education, Equity and Social Justice	3
EDCI 3213	Introduction to Secondary Methods and Clinic: Science	3
EDCI 4010	Teaching Reading and Writing in the Content Areas	2
EDCI 4210W	Instruction and Curriculum in the Secondary School	3
EDCI 4250	Directed Student Teaching	9
EGEN 3100	Seminar/Clinic: Teaching and Learning	3
EGEN 4100	Seminar/Clinic: Methods of Teaching	3
EGEN 4110	Seminar/Clinic: Analysis of Teaching	3
EPSY 3010	Educational Psychology	3
EPSY 3110	Exceptionality	2
EPSY 3125	Classroom and Behavior Management	3
EPSY 4010	Assessment of Learning	2
HIST 1501	United States History to 1877	3
or HIST 1502	U.S. History Since 1877	
PSYC 1100	General Psychology I	3
Complete the Master of Arts in Curriculum and Instruction program		
Total Credits		**45**

Learning Objectives

1. Apply critical concepts and principles of learner development and learning differences to work effectively with diverse students and their families.
2. Apply critical concepts and principles of learner development and learning differences to create safe, supportive, and equitable learning environments for diverse students.
3. Apply concepts of their content areas to develop equitable and inclusive learning experiences for diverse students.
4. Demonstrate their ability to plan and utilize a variety of instructional and assessment strategies to support diverse students' learning.
5. Evaluate the impact of their choices and actions on others, including students, families, and other professionals, to develop positive professional dispositions and skills.
6. Collaborate ethically and effectively with students, families, other professionals and community members to take responsibility for student learning.

Curriculum and Instruction (M.A.)

IBM Concentrations in Elementary Education or Secondary Education

Secondary Education includes:

- English Education
- World Languages Education (American Sign Language, French, German, Italian, Latin/Classics, Mandarin Chinese, or Spanish)
- History and Social Studies Education
- Mathematics Education
- Science Education (Biology, Chemistry, Earth Science, General Science, or Physics)

Course	Title	Credits
Required Courses		
EPSY 5195	Workshop in Education	2
EDCI 5092	Practicum	3
EDCI 5093	Advanced Practicum	4
EDCI 5094	Seminar	3
EDCI 5095	Advanced Seminar	3
Select three credits from the following:		3
EDCI 5042	Diversity, Culture, and Music Education	
EDCI 5715	Bilingualism and Second Language Acquisition	
EDCI 5740	Latinos and U.S. Education	
EDCI 5742	Sheltered English Instruction for English Language Learners	
EDCI 5750	Language Diversity and Literacy	
EDCI 5875	Multicultural Education	
EDCI 5885	Introduction to Critical Pedagogy	
EDCI 5890	Educational Linguistics	
CLCS 5324	Teaching for Intercultural Citizenship and Human Rights I	
GERM 5325	Teaching for Intercultural Citizenship and Human Rights II	
EDLR 5015	Teacher Leadership and Organizations	3
EPSY 5221	Wise Integration of Technology into Teaching and Learning Environments	1
Total Credits		**22**

IBM Elective Required Courses

Nine credit hours aligned with content specialty selecting courses in EDCI, EDLR, and EPSY or Graduate Liberal Arts courses totaling nine credit hours.

Exam/Culminating Portfolio Requirement
Will be directed by the student's advisor.