



## **MCB plus Teaching Licensure Program**

Do you enjoy explaining ideas or have an interest in contributing to the improvement of our schools? If your passion is getting others excited about biology, this program providing certification to teach biology at the high school level may be the path for you.

The program allows students to take courses for the MCB major, in addition to the requirements for a Minor in Secondary Education. Students will apply to the Secondary Education Minor after their sophomore year. Students who complete this program historically have had a 100% job placement rate upon graduation.

### **INTRODUCTORY COURSES**

IB 150 Organismal and Evolutionary Biology  
MCB 150 Molecular and Cellular Basis of Life

### **CORE BIOLOGY COURSES**

MCB 250 Molecular Genetics  
MCB 251 Experimental Molecular Biology\*  
MCB 252 Cells, Tissues, & Development  
MCB 253 Experimental Cell Biology\*  
MCB 354 Biochemical and Physical Basis of Life

### **SUPPORTING COURSES**

CHEM 102 General Chemistry I  
CHEM 103 General Chemistry I Lab\*  
CHEM 104 General Chemistry II  
CHEM 105 General Chemistry II Lab\*  
CHEM 232 Elementary Organic Chemistry  
CHEM 233 Elementary Organic Chemistry Lab\*  
MATH 220 or 221 Calculus  
PHYS 101 College Physics\*  
PHYS 102 College Physics\*  
STAT 212 Biostatistics

\*Denotes course with laboratory component.

NOTE: The following courses must be complete or in-progress during the semester in which application for the Secondary Education minor occurs.

IB 150, MCB 150, CHEM 102, CHEM 103, CHEM 104, CHEM 105, CHEM 232, CHEM 233, MATH 220 or 221, two MCB Core Courses, PSYC 100, EPSY 201, EDUC 201 and EDUC 202.

Students must complete ALL REQUIREMENTS with a grade of C- or higher for state licensure. The only exceptions are courses taken to fulfill a composition requirement, language other than English requirement or general education courses NOT required in the major or minor.

### **EDUCATION COURSES**

CI 401 Intro to Teaching in a Diverse Society  
CI 403 Teaching Diverse High School Students  
CI 404 Teaching and Assessing Sec. Sch. Students  
CI 473 Literacy in Content Areas  
EDPR 442 Ed Prac in Secondary Education  
EDUC 201 Identity and Difference in Education  
EDUC 202 Social Justice, School and Society  
EPSY 201 Educational Psychology  
EPSY 485 Assessing Student Performance  
SPED 405 Gen Educator's Role in SPED

### **ADDITIONAL REQUIREMENTS**

PSYC 100 Intro to Psychology  
At least 15 hours of approved advanced MCB coursework

To be eligible for certification in both biological sciences and physical sciences take:  
GEOL 107 Physical Geology AND  
ASTR 100 Introduction to Astronomy OR  
ASTR 210 Introduction to Astrophysics.

# Suggested Four Year Plan for Biology plus Teaching Licensure Program

YEAR 1: Fall	
MCB 150 or IB 150	4
CHEM 102/103	4
RHET 105	4
EDUC 201	3
<b>TOTAL:</b>	<b>15 hours</b>

YEAR 1: Spring	
MCB 150 or IB 150	4
CHEM 104/105	4
PSYC 100	4
MATH 220	5
<b>TOTAL:</b>	<b>17 hours</b>

YEAR 2: Fall	
MCB 250	3
MCB 251	2
CHEM 232/233	6
STAT 212	3
Gen. Ed. or Language	3-4
<b>TOTAL:</b>	<b>17-18 hours</b>

YEAR 2: Spring	
MCB 252	3
MCB 253	2
EDUC 202	3
ASTR 100 or 210	3
Gen. Ed. or Language	3-4
Advanced MCB course	3
<b>TOTAL:</b>	<b>17-18 hours</b>

Apply to Secondary Education Minor

YEAR 3: Fall	
MCB 354	3
PHYS 101	5
CI 401	3
Gen. Ed. or Language	6
<b>TOTAL:</b>	<b>17 hours</b>

YEAR 3: Spring	
PHYS 102	5
GEOL 107	3
CI 473	3
2 Advanced MCB courses	6
<b>TOTAL:</b>	<b>17 hours</b>

YEAR 4: Fall	
CI 403	3
EPSY 201	3
EPSY 485	3
SPED 405	3
2 Advanced MCB Courses	6
<b>TOTAL:</b>	<b>18 hours</b>

YEAR 4: Spring	
CI 404	3
EDPR 442	12
<b>TOTAL:</b>	<b>15 hours</b>