

**EDUCATION MAJOR: LIFE SCIENCE**  
**ST OLAF COLLEGE EDUCATION DEPARTMENT**  
*(For Students Entering the Teacher Education Program Fall 2022 and After)*

**Life Science Teacher Candidates Must:**

1. Meet all Professional Educator Licensing and Standards Board (PELSB) Pedagogy and Content Standards.
2. Pass the Minnesota Teacher Licensure Exam (MTLE) competency exams in their Content Area(s) and in Pedagogy before licensure.
3. Have a major in Biology.

**PROFESSIONAL EDUCATION REQUIREMENTS**

	<b><u>Course Credit</u></b>
___ Education 231: Understanding Substance Abuse	0.00
___ Education 295: Foundation of Education (Fall)	1.00
___ Education 330: Planning, Instruction, and Assessment (Spring)	1.00
___ Education 330 Lab (Spring)	0.00
___ Education 340: Differentiating Instruction (Fall)	1.00
___ Education 381: Senior Seminar	0.50
___ Education 382: Human Relations Component	0.00
___ Education 389: Student Teaching	3.00

**One** Interim

___ Education 378: Multicultural Education in Hawaii (Offered in even years)(OEP, PAR)	1.00
___ Education 379: Urban Education Practicum and Seminar (OEP, PAR)	

___ <b>One</b> additional <b>PAR</b> course to meet licensure standards	1.00
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**LIFE SCIENCE (9-12) CONTENT AREA LICENSURE REQUIREMENTS**

___ Education 364: Teaching of Science 5-12* (Spring)	0.50
___ Education 374: Reading in the Content Area*	1.00
___ Biology 123: Human Biology*	1.00
___ Biology 150: Evolutionary Foundations of Biodiversity* (NTS)	1.00
___ Biology 233: Intermediate Genetics*	1.00
___ Biology 261: Ecological Principles* (NTS)	1.00

**One** of the following courses\*:

___ Biology 227: Cell Biology	
___ CHBI 227: Cellular and Molecular Biology in a Chemical Context	

**One** of the following: 1.00

___ Chemistry 122: Introductory Chemistry (NTS)	
___ Chemistry 125: Structural Chemistry and Equilibrium (NTS)	
___ CHBI 125: Chemical Concepts with Biological Applications	

**ADDITIONAL COURSES FOR THE BIOLOGY MAJOR**

___ Comparative Organismal Biology (242, 247, 248, 251, 252, 266, 275)	1.00
___ Biology 2XX: Elective	1.00
___ Biology 3XX: Elective	1.00

This document is intended to serve as an advising tool and is subject to change. It is important for students to meet with Education Faculty regularly to verify that they are satisfying all requirements for licensure and with content faculty to ensure that major requirements are being met. All course substitutions must be documented on a Course Substitution Form and approved by the Director of Licensure.

*\* Indicates content courses in which Professional Educator Licensing and Standards Board (PELSB) Standards are embedded.*