**LIFE SCIENCE EDUCATION LICENSURE PROGRAM**

**ST OLAF COLLEGE EDUCATION DEPARTMENT**

**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 Course Credit**

\_\_\_\_ Education 231: Drugs and Alcohol 0.00

\_\_\_\_ Education 290: Educational Psychology (***HBS***) 1.00

\_\_\_\_ Education 291: Standards and Technology 0.00

\_\_\_\_ Education 330: Principles of Education (***ORC***) 1.00

\_\_\_\_ Education 372: Counseling and Communication in the Schools 0.50

\_\_\_\_ Education 375: Differentiated Instruction for Exceptional Learners 0.50

\_\_\_\_ Education 381: Senior Seminar 0.50

\_\_\_\_ Education 382: Human Relations Component 0.00

\_\_\_\_ Education 385: Human Issues in Education 0.50

\_\_\_\_ Education 389: Student Teaching 3.00

**One** Interim (***MCD***) 1.00

\_\_\_\_ Education 378: Multicultural Education in Hawaii (Offered in even years)

\_\_\_\_ Education 379: Urban Education Practicum and Seminar

**LIFE SCIENCE (9-12) CONTENT AREA LICENSURE REQUIREMENTS**

\_\_\_\_ Education 364: Teaching of Science 5-12\* (Spring) (***WRI***) 1.00

\_\_\_\_ Education 374: Reading in the Content Area\* 0.50

\_\_\_\_ Biology 123: Human Biology\*

\_\_\_\_ Biology 150: Evolutionary Foundations of Biodiversity\* 1.00

\_\_\_\_ Biology 233: Intermediate Genetics\* 1.00

\_\_\_\_ Biology 261: Ecological Principles\* 1.00

**One** of the following courses\*: 1.00

\_\_\_\_ Biology 227: Cell Biology

\_\_\_\_ CHBI 227: Cellular and Molecular Biology in a Chemical Context

**One** of the following: 1.00

\_\_\_\_ Chemistry 125: Structural Chemistry and Equilibrium

\_\_\_\_ Chemistry 121: General Chemistry *and* Chemistry 123: Atomic and Molecular Structure

\_\_\_\_ 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