

HAMLIN UNIVERSITY

School of Education
Additional Licensure Program

Revised 3/08

Additional License Requirements: Life Science 9-12 *Licensure Requirements (Additional License)*

- Praxis II: Content Area – Biology: Content Knowledge

Education Courses (Additional License)

Typically satisfied
with initial license

- GED 7815 Schools and Society, 4cr
- GED 7825 Educational Psychology, 4cr
- GED 7862 Education and Cultural Diversity, 4cr
- GED 7867 Theory to Practice, 4cr
- GED 7872 Exceptionality, 2cr

GED 7875 Teaching in the Secondary School, 4cr

GED 7871 Teaching Literacy in the Middle and Secondary School/5-12, 2cr

GED 7874 Teaching Science in the Middle and Secondary School/5-12, 4cr

GED 7790 Advanced Practicum, 1-3cr

Biology Courses (Additional License)

- BIOL 1800 Principles of Ecology and Evolution, 4cr
- BIOL 3060 Principles of Cell Biology, 4cr
- BIOL 3050 Principles of Genetics, 4cr
- BIOL 1820 Principles of Plant and Animal Physiology, 4cr

*Biology Courses (Choose **ONE** from each of the following three categories)*

Organismal (Additional License)

- BIOL 3400 Comparative Anatomy, 4cr
- **OR** BIOL 3500 Plant Adaptation & Diversity, 4cr
- **OR** BIOL 3650 Invertebrate Biology, 4cr
- **OR** BIOL 5600 Dev. Biology, 4cr

Cell Molecular (Additional License)

- BIOC 3820 Biochemistry I, 4cr
- **OR** BIOC 3830 Biochemistry II, 4cr
- **OR** BIOL 3830 Applied Biotechnology, 4cr
- **OR** BIOL 5550 Microbiology, 4cr
- **OR** BIOL 5760 Immunology, 4cr

Population Biology (Additional License)

- BIOL 3770 Population Genetics and Evolution, 4cr
- **OR** BIOL 5540 Aquatic Biology, 4cr
- **OR** BIOL 5590 Ecology, 4cr
- **OR** BIOL 5650 Animal Behavior, 4cr

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Related Courses : Course with research component

NOTE: Hamline course that fulfills research component: BIOL 5650

Choose One:

- MATH 1150 Pre-Calculus, 4cr
- **OR** MATH 1170 Calculus I, 4cr
- **OR** College Algebra (not offered at HU)

Choose One:

- PSY 1340 Quantitative Methods, 4cr
- **OR** M&E 1230 Statistics, 4cr

Chemistry Course (Additional License)

- CHEM 1130 General Chemistry, 4cr

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