

HAMLIN UNIVERSITY

*Additional Licensure Program * School of Education*

Revised 3/08

Additional License Requirements: Chemistry 9-12/ Science 5-8

Licensure Requirements (Additional License)

- Praxis II: Content Area - Chemistry
- Praxis II: Content Area – Middle School Science

Education Courses (Additional License)

Typically satisfied
with initial licensure

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

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, 1-3 cr.

Chemistry Courses (Additional License)

- CHEM 1130 General Chemistry I, 4cr
- CHEM 1140 General Chemistry II, 4cr
- CHEM 3240 Analytical Chemistry, 4cr
- CHEM 3330 Instrumental Methods, 4cr*
- CHEM 3450 Organic Chemistry I, 4cr
- CHEM 3460 Organic Chemistry II, 4cr
- CHEM 3550 Physical Chemistry I, 4cr
- CHEM 3560 Physical Chemistry II, 4cr
- CHEM 3940 Advanced Laboratory, 2cr*
- CHEM 5840 Advanced Inorganic Chemistry, 4cr
- Course with Research Component (can include above)

Note: Hamline course that fulfills research component: CHEM 3330

*Note: At Hamline, these two courses require concurrent registration.

Physics Courses

- PHYS 1150 or 1230 General Physics I, 4cr
- PHYS 1160 or 1240 General Physics II, 4cr

Science 5-8 Courses (Additional License)

- BIO 1800 Principles of Ecology and Evolution, 4cr
- BIO 3060 Principles of Cell Biology, 4cr
- SCED 7021 Astronomy for Teachers or equivalent Astronomy course
- SCED 7205 Earth System Science for Middle School Teachers or equivalent Physical Geology course

Math Courses (Additional License)

- MATH 1170 Calculus I, 4cr
- MATH 1180 Calculus II, 4cr
- MATH 3320 Multivariable and Vector Calculus, 4cr

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