

## Science Education

This major prepares teachers for licenses to teach all introductory or first level science courses in the secondary schools of Illinois. Students completing the major with an emphasis in biology or chemistry may also teach advanced placement courses in these respective disciplines. To major in science education, the student must complete the science education core as listed below and the courses required for specialization in biology or chemistry. All courses for the major must be completed with a grade of C or better.

The student must complete the major with a minimum of a 2.75 grade point average.

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### SCIENCE EDUCATION MAJOR REQUIREMENTS 39-51 crs.

#### SCIENCE EDUCATION CORE REQUIREMENTS 29 crs.

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BIO 110	PRINCIPLES OF CELLULAR AND MOLECULAR BIOLOGY	(4)
BIO 111	PRINCIPLES OF ORGANISMAL AND POPULATION BIOLOGY	(4)
CHE 105	COLLEGE CHEMISTRY I	(5)
CHE 106	COLLEGE CHEMISTRY II	(5)
ES 110	EARTH AND ASTRONOMICAL SCIENCE	(3)
PHY 211	GENERAL PHYSICS I	(4)
PHY 212	GENERAL PHYSICS II	(4)

#### BIOLOGY EMPHASIS 10 crs.

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*The core requirements plus the following:*

BIO 211	GENETICS	(4)
BIO 220	EVOLUTION (W)	(3)
BIO 250	INTRODUCTION TO ENVIRONMENTAL SCIENCE	(3)

#### CHEMISTRY EMPHASIS 22 crs.

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*The core requirements plus the following:*

CHE 150	PRINCIPLES OF ORGANIC CHEMISTRY	(4)
CHE 151	PRINCIPLES OF ORGANIC CHEMISTRY	(1)
CHE 300	ANALYTICAL CHEMISTRY/CHEMICAL ANALYSIS	(5)
CHE 303	PRINCIPLES OF PHYSICAL CHEMISTRY	(4)
BCH 303	PRINCIPLES OF BIOCHEMISTRY	(4)
MTH 210	CALCULUS I	(4)

**For a list of professional education program requirements, see the secondary education section above.**

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