SCIENCE EDUCATION MAJOR, B.S.

The Science Education major is designed to prepare students for teaching certification in the area of science. Students not interested in teaching should consult an academic advisor before selecting this major.

The requirements for an interdepartmental Science Education major include:

- Core coursework in five science areas plus environmental conservation.
- In-depth concentrations in two science areas or else a science minor or a science or engineering double-major.
- Students pursuing teaching certification must select the Science Education major with Education emphasis and complete the appropriate teaching licensure requirements. (http://catalog.uwplatt.edu/undergraduate/liberal-arts-education/education/#licensure-requirements)
- Secondary Education students must earn a minimum GPA of 2.75 in the major to student teach. If you earn a minimum GPA of 3.0 in your major then you will not have to take the Praxis II content exam.
- The UW-Platteville School of Education program is designed to meet all of the educational requirements for the initial licensing in the State of Wisconsin. The program may not meet requirements of other states and we are unable to make a determination about whether the program meets requirements of other states. If you are interested in certification outside of the state of Wisconsin, we encourage you to contact the appropriate state licensing agency to seek guidance and verify requirements before beginning a program, as well as during your program of study. See Professional Licensure Directory by State (https://publish.smartsheet.com/6e3fb27658f443588ff16ad36ccf5a94/).

Course	Title	Credits
Biology		**10**
BIOLOGY 1650	The Unity of Life	
BIOLOGY 1750	The Diversity of Life	
Chemistry		**8-9**
CHEMSTRY 1140	General Chemistry I	
or CHEMSTRY 1450	Chemistry for Engineers	
CHEMSTRY 1240	General Chemistry II	
Earth and Space Science		**8**
ASTRON 1340	Introductory Astronomy: Stars and Galaxies	
or ASTRON 1350	Introductory Astronomy: The Solar System	
ASTRON 1310	Introductory Astronomy Lab	
ENVSS 1040	Planet Earth	
Physics		**4-5**
PHYSICS 1350	Introductory Physics I	
or PHYSICS 2240	General Physics I	
or PHYSICS 1050	Principles of Physics	
Environmental Conservation Requirement		**3**
ENVSS 3330	Environmental Conservation	
Science Concentration, Minor, or Double-Major		**14 or more**
Select approved concentrations in two of the science areas (described below) or select one minor in Biology, Chemistry or Environmental Science or complete a second major in Biology, Chemistry, Civil Engineering, Electrical Engineering, Engineering Physics, Environmental Engineering, Environmental Science and Conservation, Industrial and Systems Engineering or Mechanical Engineering.		
UW-Platteville Core Curriculum		**29 or more**
Required of all students to graduate. Number of credits depends on placement exams, high school coursework, and elective choices.		
Total Credits		**76 or more**

APPROVED CONCENTRATIONS

BIOLOGY CONCENTRATION

Course	Title	Credits
BIOLOGY 1650	The Unity of Life	5
BIOLOGY 1750	The Diversity of Life	5
BIOLOGY 2340	Essentials of Anatomy and Physiology	4

BIOLOGY 3330	Genetics	3
BIOLOGY 3450	Ecology and Evolution	3
Total Credits		**20**

CHEMISTRY CONCENTRATION

Course	Title	Credits
CHEMSTRY 1140	General Chemistry I	4
CHEMSTRY 1240	General Chemistry II	4
CHEMSTRY 2150	Quantitative Analysis	4
CHEMSTRY 3510	Organic Chemistry I Lab	1
CHEMSTRY 3540	Organic Chemistry I	4
Total Credits		**17**

EARTH AND SPACE SCIENCE CONCENTRATION

Course	Title	Credits
ASTRON 1310	Introductory Astronomy Lab	1
ASTRON 1340	Introductory Astronomy: Stars and Galaxies	3
or ASTRON 1350	Introductory Astronomy: The Solar System	
ENVSS 1040	Planet Earth	4
GEOLOGY 1140	Physical Geology	3-4
or ENVSS 3140	Global Landforms	
or GEOLOGY 3130	Geology for Engineers	
ENVSS 3240	Meteorology	4
GEOLOGY 3430	Hydrogeology	3
or ENVSS 3340	Biogeography	
or ENVSS 4150	Global Environmental Change	
Total Credits		**18-19**

PHYSICS CONCENTRATION

Course	Title	Credits
PHYSICS 2240	General Physics I	4
PHYSICS 2340	General Physics II	4
GENENG 2130	Engineering Mechanics-Statics	3
GENENG 2230	Engineering Mechanics-Dynamics	3
GENENG 2630	Basic Thermoscience for Engineers	3
or MECHENG 2630	Thermodynamics	
or GENENG 2930	Applications of Electrical Engineering	
or ELECTENG 1210	Circuit Modeling I	
Total Credits		**17**