

PHYSICAL SCIENCE

JUNIOR HIGH SCHOOL CREDENTIAL

(For revised credential structure see *Education Division*)

The junior high school credential authorizes the holder to serve as a teacher in grades seven, eight, and nine of elementary and secondary schools. For general and professional requirements, see *Education Division*.

The junior high school credential majors in chemistry and physics are the same as the portions of the general secondary credential major in these fields which are required for the degree major; the minor is the same as the general secondary credential minor.

GENERAL SECONDARY CREDENTIAL

(For revised credential structure see *Education Division*)

The general secondary credential authorizes the holder to serve as a teacher in grades seven through fourteen. For general and professional requirements see *Education Division*.

The general secondary credential program for the physical sciences must include a major in either chemistry or physics and a minor in life sciences-general science. The credential major and minor consist of 42 units in the chemistry major combined with 26-34 units in the specified credential minor in life sciences-general science for a total of 68-76 units; or 48 units in the physics major combined with 28-32 units in the specified credential minor in life sciences-general science for a total of 76-80 units.

Completion of 37 units from the credential major in chemistry (exclusive of units used for general education) constitutes a major in chemistry for the bachelor of arts degree; completion of 42 units from the credential major in physics (exclusive of units used for general education) constitutes a major in physics for the bachelor of arts degree. Courses in the credential minor should be completed prior to graduation and may apply on general education requirements as appropriate.

**GENERAL SECONDARY CREDENTIAL CHEMISTRY MAJOR COMBINED WITH
LIFE SCIENCES-GENERAL SCIENCE MINOR**

Credential Minor in Life Sciences-General Science (for Chemistry Major only)	Units
Biol 2A-B, 1A-B, or Zool 1 and Bot 1	6-10
Physio 1	4
Physics 2A-B or Physics 4A-B-C	8-12
Geol 1, 20, or Math 21	3
Math 3	5
	<hr/> 26-34
 Credential Major in Chemistry	
Math 4	5
Chem 1A-B, 6	14
Chem 106, 110A-B, 111A-B, 128A-B, 129A-B	23
	<hr/> 42
 Total, Credential Major and Minor Combined	68-76