

## CHEMISTRY – 1726

The Chemistry minor is designed to provide a fundamental grounding in the basic principles of chemistry, as well as an introductory survey of the important and related subdisciplines of organic chemistry and biochemistry. The laboratory portion of the program will provide enough instruction and training so as to enable the student to carry out routine procedures of synthesis, analysis, and measurement in an efficient and competent manner. This program is especially recommended as a useful supplement to the professional training of students majoring in related fields, e.g., biology, dietetics, geosciences, materials technology, physics, etc.

### REQUIRED COURSES: 12 credits

CHE 111: Fundamentals of Chemistry I\*

CHE 112: Fundamentals of Chemistry II\*

CHE 201: Organic Chemistry I\*

CHE 203: Organic Chemistry Laboratory I\*

or, **instead of** CHE 201/203, a student may substitute

CHE 321: Principles of Organic Chemistry

\*NOTE: More than 2 lower level (100 – 200) courses may be taken for this minor.

In addition, another eight (8) credit hours must be selected by advisement and in accordance with each student's background and interests. These additional credits may be earned by selecting appropriate courses from the following list.

### ELECTIVE COURSES: 8 credits

CHE 202: Organic Chemistry II

CHE 204: Organic Chemistry Lab II

CHE 300: Medications: Chemicals for Your Health

CHE 301: Analytical Chemistry

CHE 310: Literature of Chemistry

CHE 315: Environmental Chemistry

CHE 331: Principles of Physical Chemistry

**Or**

CHE 305: Physical Chemistry I

CHE 306: Physical Chemistry II

CHE 307: Physical Chemistry Laboratory I

CHE 308: Physical Chemistry Laboratory II

CHE 322: Biological Chemistry

**Or**

CHE 470: Biochemistry I

CHE 471: Biochemistry Techniques

CHE 403: Instrumental Analysis

CHE 460: Inorganic Chemistry

CHE 461: Inorganic Chemistry Laboratory

TOTAL NUMBER OF CREDITS 20 credit hours

TRANSFER CREDIT: Transfer students may apply credit taken at another institution up to a maximum of two courses (8 -10) credits). The Department of Chemistry will be the sole judge of "equivalency"