

# Chemistry



Health Sciences

Career Pathways

This associate of science degree with specialization in chemistry is designed to provide the first two years of study for students who intend to continue their education in chemistry or other natural sciences. This degree (with careful selection of electives) will also be useful for students in the pre-professional study of medicine and related fields, as well as students who seek careers as laboratory technicians after completing an associate degree. Students transferring to another college should obtain information early from that college concerning specific degree requirements.

Students take chemistry courses that emphasize significant laboratory work including instrumentation, traditional wet chemical methods and microscale techniques.

## Credits

### Required General Education Courses 20

ENGL 151 (English Composition I) .....	3
ENGL 152 (English Composition II) .....	3
POLSC 151 (Introduction to Political Science) .....	3
Social Sciences Elective.....	6
Humanities Elective.....	3
<sup>1</sup> Computer Skills Elective .....	2

### Required Core Courses 32

#### 1st Semester

CHEM 151 (General College Chemistry I) .....	4
MATH 171 (Calculus I).....	4

#### 2nd Semester

CHEM 152 (General College Chemistry II).....	4
MATH 172 (Calculus II) .....	4

#### 3rd Semester

CHEM 251 (Organic Chemistry I).....	4
<sup>2</sup> PHY 151 (General Physics I) .....	4

#### 4th Semester

CHEM 252 (Organic Chemistry II) .....	4
<sup>2</sup> PHY 152 (General Physics II).....	4

### Suggested Elective Courses 8-10

MATH 251 (Introduction to Linear Algebra).....	3
MATH 271 (Calculus III) .....	4
MATH 273 (Introduction to Differential Equations).....	3

### Total Degree Requirements 60

<sup>1</sup> See the computer skills alternatives listed on page 37.

<sup>2</sup> May substitute PHY 251 for PHY 151 and PHY 252 for PHY 152.