

ASSOCIATE IN SCIENCE

PHYSICAL SCIENCE

OPTION: CHEMISTRY (028C)

The Associate in Science in Physical Science with an option in Chemistry is designed to provide the student with the first two years of general requirements.

REQUIRED HOURS 65

Communications 9

- ENGL 1113 Composition I
- ENGL 1213 Composition II
- SPCH 1113 Speech Communication

Social and Behavioral Sciences 9

History 3

Select from the following:

- HIST 2483 American History to 1877
- HIST 2493 American History since 1877

POLS 1113 American Federal Government 3

Social Science 3

Select from the following:

- ECON 2113 Principles of Macroeconomics
- ECON 2123 Principles of Microeconomics
- PSY 1113 Introduction to Psychology
- SOC 1113 Introduction to Sociology

Science and Mathematics 12

Physical Science 5

Select from the following:

* **CHEM 1315 General Chemistry I**

- GEOL 1014 Earth Science
- GEOL 1114 Physical Geology
- GEOL 1124 Physical Geography
- GEOL 1224 Historical Geology
- GEOL 2124 Astronomy
- PHYS 1014 General Physical Science
- PHYS 1114 General Physics I

Biological Science 4

Select from the following:

- BIOL 1114 General Biology
- BIOL 1134 General Environmental Biology
- BIOL 1144 General Cellular Biology

Mathematics 3

Select from the following:

- MATH 1503 Mathematics for Critical Thinking
- MATH 1513 College Algebra or higher
- MATH 1613 Trigonometry
- MATH 1715 Pre-Calculus
- MATH 2264 Analytical Geometry and Calculus I

Humanities 6

Select from the following:

- ART (HUM)1113 Art Appreciation
- COMM (HUM)2413 Theatre Appreciation
- ENGL 2613 Introduction to Literature
- HUM 2113 Humanities I
- HUM 2223 Humanities II
- HUM 2893 Cinema
- MUSC (HUM) 2573 Music Appreciation
- PHIL 1113 Introduction to Philosophy

Global Studies 3

Select from the following:

- BIOL 3104 Plants and Civilization
- ECON 3003 International Economic Issues and Policies
- GEOG 2243 Human Geography
- HIST 2013 World Civilization I
- HIST 2023 World Civilization II
- HUM 3633 Comparative Religion
- LANG 1113 Foundations of World Languages
- NAMS 1143 Native Americans of North America
- NAMS 2503 Cherokee I
- PHIL 1313 Values and Ethics
- POLS 3053 International Relations
- SOC 3213 Minority Groups
- SPAN 1113 Beginning Spanish I

Elective 3

Select three hours from courses not selected above.

*** Required**

Program Requirements 12-13

- CHEM 1415 General Chemistry II
- MATH 1613 Trigonometry or
- MATH 2364 Analytical Geometry and Calculus II
- PHYS 1114 General Physics I or
- PHYS 2015 Engineering Physics I

Support and Related 10

Select from the following:

- CHEM 2515 Environmental Chemistry
- CHEM 3125 Organic Chemistry I
- CHEM 3225 Organic Chemistry II

Total Credit Hours 65