

Chemistry

Associate Degree

Career Choices:

Physical Science Technician

Laboratory Chemist

Field Chemist

Student Profile:

Do you have...

an interest in the environment and environmental protection?

an aptitude in natural sciences, particularly chemistry and mathematics?

skills in planning, organization and problem solving?

an ability to communicate effectively in writing?

an ability to effectively organize and present information verbally?

an ability to communicate and work with a broad array of people?

Program Description:

Graduates of the two-year associate's degree in chemistry may find employment as chemical laboratory technicians or proceed on to complete bachelor's degrees in an area of chemistry. This program transfers directly into the bachelor's degree in environmental chemistry.

Career Descriptions:

Physical Science Technician

— Performs a variety of technical procedures related to the chemical analyses of plant and animal tissues, soils, sediments and waters for environmental contaminants, including sample receipt, storage, homogenization, extraction, cleanup, digestion analysis and reporting; assists analytical chemists in routine maintenance of analytical instruments.

Laboratory Chemist — Knowledge of EPA methods for volatile and semi-volatile analysis, A.A.S. (Flame/Graphite a plus) and/or I.C.P., instrument maintenance.

Field Chemist — Supervises field technicians; packages chemicals for transportation and disposal, loads and unloads supply trucks; customer relation skills are essential.

Chemistry Associate

Chemistry		(25 credits)
CHEM115	General Chemistry I	5
CHEM116	General Chemistry II	4
CHEM225	Organic Chemistry I	4
CHEM226	Organic Chemistry II	4
CHEM231	Quantitative Analysis	4
CHEM332	Instrumental Analysis	4

Other Departments		(19 credits)
BUSN211	Business Statistics	3
MATH151	Calculus I	4
MATH152	Calculus II	4
PHYS231	Applied Physics I	4
PHYS232	Applied Physics II	4

General Education		(9 credits)
COMM101	Fund. of Speech Communication	3
ENGL110	First-Year Composition I	3
ENGL111	First-Year Composition II	3

Free Electives		(9 credits)
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Students are required to take a total of 62 semester credits.