

PROGRAM DESCRIPTION: The Associate in Science Degree in Chemistry is a program that prepares freshmen and sophomore students majoring in the above areas to enter a four-year college or university. The semester-by-semester plans described below are general guidance. Students should work closely with their academic advisors to develop a plan that best meets their own individual needs and goals.

PROGRAM OUTCOMES AND CURRICULUM MAP.
Minimum Credit Hours Required to Graduate = 60

Semester 1		16-17 hours
Course No.	Course Title	Credit
* ENGL-101	English I.....	3
* MATH-122	Calculus & Analytical Geometry I.....	5
* CHEM-109	College Chemistry I.....	5
*	Student Success Requirement.....	1
*	Personal Wellness Requirement.....	2-3

Semester 1		16 hours
Course No.	Course Title	Credit
*ENGL-102	English II	3
**MATH-123	Calculus & Analytical Geometry II.....	5
**CHEM-110	College Chemistry II	5
*COMM-101	Public Speaking	3

Semester 3		14 hours
Course No.	Course Title	Credit
**CHEM-206	Organic Chemistry I	5
*	Social Science Requirement	3
*	Humanities & Fine Arts Requirement	3
* PSYC-101 or SOCI-102	General Psychology or Introduction to Sociology.....	3

Semester 4		14 hours
Course No.	Course Title	Credit
**CHEM-207	Organic Chemistry II	5
***	Program Elective Course (select from list below)	3
*	Humanities & Fine Arts Requirement	3
	Open Elective	3

***** PROGRAM ELECTIVE COURSES**

Course No.	Course Title	Credit
BIOL-104	Environmental Science	4
BIOL-213	Microbiology	5
CHEM-210	Introduction to Biochemistry.....	5
CSCI-102	Introduction to Programming	3
CSCI-130	Introduction to Cybersecurity	3
ECON-111	Principles of Economics: Macro.....	3
ECON-112	Principles of Economics: Micro	3
MATH-205	Calculus & Analytical Geometry III.....	5
PHSC-205	Physical Geology.....	3-5
PHYS-205	General Physics I with Lab.....	5
PHYS-206	General Physics II with Lab	5
PHYS-207	Engineering Physics I with Lab.....	5
PHYS-208	Engineering Physics II with Lab	5

*** CORE CURRICULUM REQUIREMENT**

Communications, Mathematics & Natural Sciences, Social Sciences, Humanities & Fine Arts, Personal Wellness, Student Success

**** REQUIRED PROGRAM COURSE**
***** PROGRAM ELECTIVE COURSE**

Other courses are subject for approval with submission of Graduation Substitution form.

