
CHEMISTRY (AOC)

PROGRAM OVERVIEW

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This transfer pattern is designed for students planning to transfer to a four-year degree program with a major in chemistry or in related fields. The transfer pattern provides all of the basic science, mathematics, and general studies transfer courses that are required during the first two years of a general four-year program. The general studies listed below should be coordinated with transfer requirements at the four-year institution and adjusted accordingly, when necessary.

This is a transfer program and is designed to enable students to transfer to a four-year college or university. Check with your advisor and the Advising Center staff as soon as possible to ensure specific course transferability.

Successful completion of this program qualifies a student to apply for an Associate of Science degree in Arts and Sciences - Area of Concentration in Chemistry.

COURSE REQUIREMENTS

REQUIRED CHEMISTRY COURSES

CHEM-101	General Chemistry I
CHEM-102	General Chemistry II
CHEM-203	Organic Chemistry I
CHEM-204	Organic Chemistry II

REQUIRED GENERAL COURSES

ENG-101	English Composition I
ENG-103 or Arts and Humanities Elective	Calculus for Applications or Arts and Humanities Elective
MATH-201	Calculus I
MATH-202	Calculus II
MATH-203 or BIO-101	Calculus III <i>or</i> General Biology I
MATH-206 or Laboratory Science Elective	*Most 4-year institutions require Mathematics 203 (Calculus III) for their chemistry degree. Differential Equations or Laboratory Science Elective
PHYS-101 or PHYS-201	Introductory Physics I or General Physics I
PHYS-102 or PHYS-202	*Most 4-year institutions require Physics 201/202 (General Physics I & II) for their chemistry degree Introductory Physics II or General Physics II
SPCH-101 or Arts and Humanities Elective	Speech Communication or Arts and Humanities Elective

REQUIRED ELECTIVE COURSES

Please consult with your advisor or the Advising Center staff for selecting appropriate elective courses for graduation.

Electives - 5 credits

Social and Behavioral Science Electives - 6 credits

PROGRAM PATH

CHEMISTRY

AREA OF CONCENTRATION

PREPARATION FOR TRANSFER

<u>FIRST SEMESTER</u>	<u>Credit Hours</u>
Chemistry 101 (General Chemistry I)	4
English 101 (English Composition I)	3
Mathematics 201 (Calculus I)	4
Social and Behavioral Science Elective ¹	3
Total:	14
 <u>SECOND SEMESTER</u>	
Chemistry 102 (General Chemistry II)	4
Elective	3
English 103 (Introduction to Literature) or Arts and Humanities Elective ²	3
Mathematics 202 (Calculus II)	4
Social and Behavioral Science Elective ¹	3
Total:	17
 <u>THIRD SEMESTER</u>	
Chemistry 203 (Organic Chemistry I)	4
Mathematics 203* or Biological Science 101 (Calculus III* or General Biology I)	4
Physics 101 or 201 (Introductory Physics I or General Physics I)**	4
Speech 101 (Speech Communication) or Arts and Humanities Elective ²	3
Total:	15
 <u>FOURTH SEMESTER</u>	
Chemistry 204 (Organic Chemistry II)	4
Elective	2
Mathematics 206 (Differential Equations) or Laboratory Science Elective	4
Physics 102 or 202 (Introductory Physics II or General Physics II)**	4
Total:	14
Total Credit Hours:	60

* Most 4-year institutions require Mathematics 203 (Calculus III) for their chemistry degree.

** Most 4-year institutions require Physics 201/202 (General Physics I & II) for their chemistry degree.

¹ Social and Behavioral Science elective must be from two different disciplines.

² Arts and Humanities elective must be from two different disciplines.

NOTE: All courses specifically identified by course number are graduation requirements for this program.