

The Associate in Science Degree

A.S. Chemistry

100302 Revised 4/2018 (Fall 2018)

General Education Requirements		Credits	Semester Taken	Prerequisites
COLL 100	First Year Seminar	1		
ENGL 101	Composition and Reading I	3		ENGL 90 with a minimum grade of S or appropriate placement score
ENGL 102	Composition and Reading II	3		ENGL 101
Choose one of the following:				
HIST 120	United States History to 1865	3		
HIST 121	United States History Since 1865			
POLS 136	Introduction to U.S. National Politics			
COMM 100	Fundamentals of Speech	3		ENGL 90 or appropriate placement test score
Choose any one guaranteed transfer course (any MOTR or MCC Transfer Library listed courses)		3-5		
Specific Program Requirements				
CHEM 111	General College Chemistry I	5		CHEM 107 or highschool chemistry and MATH 120
CHEM 112	General College Chemistry II	5		CHEM 111
CHEM 221	Organic Chemistry I	5		CHEM 112
CHEM 222	Organic Chemistry II	5		CHEM 221
MATH 180	Analytic Geometry & Calculus I	5		MATH 130 or 150
MATH 190	Analytic Geometry & Calculus II	5		MATH 180
MATH 210	Analytic Geometry & Calculus III	5		MATH 190
PHYS 220	Engineering Physics I	5		Enrollment in or completion of MATH 190
PHYS 221	Engineering Physics II	5		PHYS 220 and enrollment in or completion of MATH 210
Total Credit Hours Required		61-63		