

# DIVISION OF MATHEMATICS & SCIENCE

## Major: Mathematics, Physical Science, Engineering

ASSOCIATES of SCIENCE

*Requirements for Academic Year 2022-2023*

GENERAL EDUCATION REQUIREMENTS 38 HOURS (Minimum) (Check Catalog listings for prerequisites)*		
Area	Hours	To be selected from:
English Composition	6	ENGL 1113 Comp I ENGL 1213 Comp II*
Communication	3	SPCH 1113 Intro to Oral Communication
American History	3	HIST 1483 US History to 1865 <i>or</i> HIST 1493 US History since 1865
US Government	3	POLS 1113 Amer. Federal Government
Mathematics	3	College-level Mathematics <i>Consult with an advisor for options</i>
Sciences	8	<b>Group I</b> General Physics I PHYS 1114* General Physics II PHYS 1214* <i>or</i> <b>Group II</b> Engineering Physics I PHYS 2014* Engineering Physics II PHYS 2234*
Humanities	6	Any course designated (H) (See course descriptions for designations.)
Computer Literacy	3	COMS 1133 Fund. of Computer Usage <i>or</i> AGRI 2113 Microcomputers in Agriculture
Electives	3 - 4	One course from the following: Psychology, Sociology, Foreign Language or Fine Arts
		*Course has prerequisite. See Course Description section of catalog.
PROGRAM REQUIREMENTS 23 HOURS (Check Catalog listings for prerequisites)*		
College Orientation	1-3	EDUC 1111 <i>or</i> EDUC 1113
CORE COURSES: (11 Hours)		
Plane Trigonometry	3	MATH 1613*
Calculus I*	4	MATH 2214*
Calculus II*	4	MATH 2234*
Program Electives: (11 Hours)		
<b>Physical Science Pathway:</b> CHEM I CHEM II*	<b>Mathematics Pathway:</b> Courses from Liberal Arts, Science, Business, or Communications. Physical Education activity courses do not count toward graduation. *Course has prerequisite. See Course Description section of catalog.	<b>Engineering Pathway:</b> Intro to Engineering Courses from Liberal Arts, Science, Business, or Communications. Physical Education activity courses do not count toward graduation. *Course has prerequisite. See Course Description section of catalog.
Physical Education activity courses do not count toward graduation. Maximum 6 hours allowed for Special Topics (ST) courses towards a degree.		
Total Hours: 61		