

# MATH/SCIENCE, AS

**State Control Number:** 04976

**Program Code:** MASC.AS, MASC.NURS.AS, or MASC.RT.AS

**Approved for Federal Financial Aid:** Yes

To earn this degree, complete the major coursework with “C” grades or better and all of the following graduation requirements:

- 60 minimum degree-applicable units (including a maximum 4 units of activity) and 12 degree-applicable units through VVC;
- the VVC General Education pattern (<https://catalog.vvc.edu/degrees-certificates/vvcge/#vvcge>);
- Information Competency; Global Citizenship; Kinesiology; and
- 2.0 minimum overall degree-applicable GPA.

Courses may be double-counted in the major and in a general education category. Courses counted in one AA/AS major may not be used in another AA/AS major.

The Math/Science major requires 18 units from any of the following courses.

Code	Title	Units
<b>Required Courses</b>		
Complete 18 units from any of the following courses:		18.0
<i>Mathematics</i>		
ELCT 57		
ELCT 58		
ELCT 59		
ELCT 60		
MATH 104	Trigonometry	
MATH 105	College Algebra	
MATH 105H		
MATH 120	Introduction to Statistics	
MATH 120S	Introduction to Statistics With Skills½support	
MATH 129	Independent Study	
MATH 132	The Ideas of Math	
MATH 226	Analytic Geometry and Calculus I	
MATH 226H	Honors Analytic Geometry and Calculus I	
MATH 227	Analytic Geometry and Calculus II	
MATH 227H	Honors Analytic Geometry and Calculus II	
MATH 228	Analytic Geometry and Calculus III	
MATH 228H	Honors Analytic Geometry and Calculus III	
MATH 231	Linear Algebra	
MATH 270	Differential Equations	
PSYC 215	Introduction to Statistics in Social And½behavioral Sciences	
<i>Life Sciences</i>		
AGNR 123	Introduction to Plant Science	
ANTH 101	Introduction to Physical Anthropology	
ANTH 101L	Physical Anthropology Laboratory	
BIOL 100	General Biology	
BIOL 107	Introduction to Human Biology	
BIOL 110	Introduction to Human Nutrition	
BIOL 118	Principles of Heredity	

Code	Title	Units
BIOL 201	Biology of Cells	
BIOL 202	Biology of Organisms	
BIOL 203	Population and Environmental Biology	
BIOL 211	Human Anatomy	
BIOL 213		
BIOL 215	Human Gross Anatomy	
BIOL 221	General Microbiology	
BIOL 231	Human Physiology	
BIOL 233	Pathophysiology	
HLTH 102	Contemporary Problems in Personal And½community Health	
	or HLTH 102H#Honors Contemporary Problems in Personal½and Community Health	
<i>Physical Sciences</i>		
AGNR 131	Introduction to Soil Science	
AGNR 170	Environmental Science and Sustainability	
ASTR 101	Descriptive Astronomy	
CHEM 100	Introductory Chemistry	
CHEM 201	General Chemistry	
CHEM 202	General Chemistry	
CHEM 206	Introductory Chemistry II: Organic½chemistry	
CHEM 207	Introductory Chemistry Iii:½biochemistry	
CHEM 281	Organic Chemistry	
CHEM 282	Organic Chemistry II	
GEOG 101	Introduction to Physical Geography	
GEOG 101L	Geography 1 Laboratory	
GEOG 103	Geography of California	
GEOG 130	Introduction to Weather and Climate	
GEOL 101	Physical Geology	
OCEA 101	Oceanography	
PSCI 101	Principles of Physical Science	
PHYS 100	Introductory Physics	
PHYS 201	Engineering Physics I-Mechanics	
PHYS 202	Engineering Physics II -½Fluids, Sound, and Thermodynamics	
PHYS 203	Engineering Physics III Electricity½and Magnetism	
PHYS 204	Engineering Physics IV-Optics And½modern Physics	
PHYS 221	General Physics I	
PHYS 222	General Physics II	
<b>Total Units</b>		<b>18</b>