



MVGS Three Year Program

Rising 10th graders will attend MVGS for three years and will choose the science strand option during the 10th grade year. Courses will be available to be dual enrolled for college credit through LFCC pending staff endorsements.

Prerequisites: Geometry; Algebra II Honors (prerequisite for Math Analysis) Co-requisites: General Biology

	Math	Science	Humanities	Research
First Year 10th Grade	<i>MVGS Math Analysis</i>	<i>MVGS Chemistry 1</i>	<i>MVGS Humanities 10/English 10</i>	<i>MVGS Research 1: Fundamentals</i>

MVGS offers two science focus options for 11th and 12th graders: Physics/Engineering or Biology/Life Science.

Option I: Physics/Engineering Focus

Prerequisites: Math Analysis

	Math	Science	Humanities	Research and Elective
Second Year 11th Grade	<i>*MVGS Calculus 1</i>	<i>*MVGS Physics 1: Mechanics</i>	<i>*MVGS Humanities 11/English 11 (Prepares students for AP English Language assessment)</i>	<i>*MVGS Computer Science 1 or *MVGS Psychology or *MVGS Economics (offered alternate years) and MVGS Research 2: Individual Research Project</i>
Third Year 12th Grade	<i>*MVGS Calculus 2/3: Multivariate</i>	<i>*MVGS Physics 2: Electricity and Magnetism</i>	<i>*MVGS Humanities 12/ US Government</i>	<i>Computer Science 1 or 2 or *MVGS Psychology or *MVGS Economics (offered alternate years) and MVGS Capstone Project</i>

Option II: Biology/Life Science Focus

Prerequisites: Math Analysis, General Biology, Chemistry

Co-requisites: recommend Physics either year

	Math	Science	Humanities	Research and Elective
Second Year 11th Grade	<i>*MVGS Statistics</i>	<i>*MVGS Biology 1: Collegiate Biology</i>	<i>*MVGS Humanities 11 /English 11 (Prepares students for AP English Language assessment)</i>	<i>*MVGS Computer Science 1 or *MVGS Psychology or *MVGS Economics (offered alternate years) and MVGS Research 2: Individual Research Project</i>
Third Year 12th Grade	<i>*MVGS Calculus 1</i>	<i>MVGS Biology2: Advanced Topics</i>	<i>*MVGS Humanities 12/ US Government</i>	<i>Computer Science 1 or 2 or *MVGS Psychology or *MVGS Economics (offered alternate years) and MVGS Capstone Project</i>

*Course prepares students for an AP assessment.

Note: MVGS Economics will fulfill the graduation requirement for Economics and Personal Finance