



## **STEM Endorsement**

### **Purpose:**

The STEM Endorsement is designed to offer students the opportunities and motivation to best use their God-given talents in technology, science, and math arena. North Valley Christian Academy's STEM Endorsement will inspire and prepare students for majors and careers in STEM-related fields.

### **Endorsement:**

Students will earn a STEM Endorsement upon successful completion of the STEM Endorsement requirements. This STEM Endorsement will announce that the student has accomplished a well-rounded and rigorous program in the math and science departments and has completed a STEM internship.

### **Qualifications:**

To be eligible for STEM, students must meet the following qualifications after the spring semester of their freshman year. Entrance will be based on the performance in Math and Science courses, rigor of overall schedule, recommendations from Math and Science teachers, and evidence of a high degree of responsibility and personal work effort.

### **Requirements:**

- A. Complete Endorsement Specific Courses**
- B. One Collaborative Experience:** This experience can be accomplished through several different STEM opportunities - competitions, exhibition events, etc.
- C. One Internship Experience:** Students are required to complete an internship of approximately 50 hours. This is usually done in the summer between junior and senior years.

<b>Qualifications to Apply for NVCA STEAM Endorsement:</b>	<b>Core Subject Course Specific Endorsement Requirements:</b>	<b>Elective Class Course Requirements: Choosing 4 of the following areas:</b>	<b>Life Application Requirements:</b>
Application submitted Spring Semester of Freshman Year	Science Requirement: Combination of 4 courses in the following areas: Biology, Human Anatomy, Chemistry, Physics, or DE Environmental Science	Introduction to STEM *Prerequisite to all other STEM specific courses	Internship experience with a minimum of 50 hours
Completed Required Freshman Course	Math Requirement: Combination of 4 courses in the following areas: Algebra 1 & 2, Geometry, Pre-Calculus, Calculus or DE College Math	Introduction to Robotics Robotics 2	STEM Competition or Showcase
Minimum GPA 2.5	English Requirement: Argumentative Writing, Business & Technical Writing, College & Career Writing, or DE English Composition	Computer Science	
Minimum Math Requirement Algebra 1		Cyber Security/Cyber Forensics	
Minimum Science Requirement Biology		IT Coding	
		Film Editing/Video Production	
		Aerospace Glider	
		Any STEM focused WestMec program	