

STEM ACADEMY COURSE MENU

BIOMEDICINE PATHWAY

**CORE: Integrated STEM, Physics,
Chemistry, Biology**

Dynamics of Healthcare

Anatomy & Physiology

Forensics/Neuroscience

AP Biology

AP Chemistry

AP Psychology

***Research Science I & II**

ENGINEERING PATHWAY

**CORE: Integrated STEM, Physics,
Chemistry, Biology**

3D CAD & Engineering

Principles of Engineering

Aerospace Engineering

Nanoscale Science & Engineering

Systems Technology: Robotics

AP Physics

***Design Studio**

ARCHITECTURE PATHWAY

**CORE: Integrated STEM, Physics,
Chemistry, Biology**

Systems Technology: Tech & Design

Computer Aided Design

Wood Design

Architectural Design

AP Physics

***Design Studio**

COMPUTER SCIENCE PATHWAY

**CORE: Integrated STEM, Physics,
Chemistry, Biology**

Computer Science Essentials

Systems Technology: Robotics

AP Computer Science Principles

AP Computer Science A

AP Physics

***Design Studio**

SUSTAINABILITY PATHWAY

**CORE: Integrated STEM, Physics,
Chemistry, Biology**

Systems Technology: Tech & Design

Alternate Energy & Sustainable Design

Marine Biology

AP Environmental Science

AP Biology

***Research Science I & II**

RESEARCH SCIENCE PATHWAY

**CORE: Integrated STEM, Physics,
Chemistry, Biology**

Research Science I

Research Science II

AP Statistics

*** Any STEM elective course relevant
toward their research study**

IMPORTANT FACTS

** All STEM Academy students will be required to complete a foundational Integrated STEM course along with electives from one designated STEM track. Students may choose electives from their designated tracks to fulfill their STEM Academy requirements. **A minimum of one STEM track elective must be taken per academic year to stay enrolled in the STEM Academy!***

** Designation of a STEM track of study will be determined **sophomore year** after completion of Integrated STEM. Each STEM track provides the student an option of enrollment in **Design Studio or Research Science I/II**, which provides the opportunity for an independent study in a desired area.*

** Students may take STEM electives across multiple pathways upon meeting with their guidance counselors and the STEM directors*