STRANAHAN SCIENCE & PRE-ENGINEERING MAGNET

	FRESHMEN	SOPHOMORE	JUNIOR	SENIOR	TAKEAWAYS & REWARDS
ENGINEERING TECHNOLOGY	English I Hon Math Biology Hon World Geography Hon/AP <i>Intro to Engineering</i> (2)Electives	English II Hon Math Chemistry Hon World History Hon/AP <i>Principles of Engineering</i> (2) Electives	English III Hon/AP/DE Math Physics I Hon American History Hon/AP Digital Electronics (2) Electives	English IV Hon/AP Math Hon/AP/DE AP Physics I American Gov./Econ Hon/AP <i>Engineering Design & Development</i> (2) Electives	NAF GRADUATE Inventor User Cert. AutoCAD User Cert. SolidWorks Associate College Credit Magnet Seal
AEROSPACE ENGINEERING	English I Hon Math Biology Hon World Geography Hon <i>Intro to Engineering</i> (2) Electives	English II Hon Math Chemistry Hon World History Hon/AP <i>Principles of Engineering</i> <i>aerospace engineering</i> * <i>Elective</i>	English III Hon/AP/DE Math Physics I Hon American History Hon/AP SolidWorks DE(aerospace)* (2) Electives	English IV Hon/AP Math AP Physics I American Gov./Econ Hon/AP <i>Engineering Design & Development</i> (2) Electives	NAF Graduate Inventor User Cert. AutoCAD User Cert. SolidWorks Associate FAA Drone Safety Cert. College Credit Magnet Seal
ARCHITECTURE & CIVIL ENGINEERING	English I Hon Math Biology Hon World Geography Hon Intro to Engineering (2) Electives	English II Hon Math Chemistry Hon World History Hon/AP <i>Principles of Engineering</i> <i>Architecture/Civil Engineering</i> * <i>Elective</i>	English III Hon/AP/DE Math Physics I Hon American History Hon/AP <i>Environmental Sustainability*</i> (2) Electives	English IV Hon/AP Math AP Physics I American Gov./Ecom Hon/AP <i>Engineering Design & Development</i> (2) Electives	NAF GRADUATE Inventor User Cert. AutoCAD User Cert. REVIT Cert. College Credit Magnet Seal
BIOMEDICAL ENGINEERING	English I Hon Math Biology Hon World Geography Hon <i>Intro to Engineering Biomedical</i> <i>Elective</i>	English II Hon Math Chemistry Hon World History Hon/AP <i>Principles of Engineering Human Body Systems Elective</i>	ENGLISH III HON/AP/DE MATH PHYSICS I HON AMERICAN HISTORY HON/AP ANATOMY & PHYSIOLOGY HON/DE DIGITAL ELECTRONICS ELECTIVE	English IV Hon/AP Math AP Physics I American Gov./Econ Hon/AP Engineering Design & Development Genetics Elective	NAF GRADUATE Inventor User Cert. AutoCAD User Cert. SolidWorks Associate Biotech Lab Assistant College Credit Magnet Seal
BIOMEDICAL ENGINEERING COMPUTER SCIENCE 01100 10110 11110	Math Biology Hon World Geography Hon <i>Intro to Engineering Biomedical</i>	Math Chemistry Hon World History Hon/AP <i>Principles of Engineering Human Body Systems</i>	Math Physics I Hon American History Hon/AP Anatomy & Physiology Hon/DE <i>Digital Electronics</i>	Math AP Physics I American Gov./Econ Hon/AP <i>Engineering Design & Development</i> <i>Genetics</i>	Inventor User Cert. AutoCAD User Cert. SolidWorks Associate Biotech Lab Assistant College Credit

*BASED ON COURSE AVAILABILTY

**Additional requirements: (1)YR HOPE, (2)YR World Language, (1) Online Course

***ENGINEERING COURSES MEET PERFORMANING ARTS REQUIREMENTS.