



STEM

Recommended Course Sequences

*COURSE HAS A REQUIRED PREREQUISITE

▲ INDUSTRY-BASED CERTIFICATION

[] GRADE LEVEL(S)

() CREDITS

◇ SPECIALIZED PROGRAM

	BIOMEDICAL SCIENCE (PLTW) PROGRAM OF STUDY	CYBERSECURITY PROGRAM OF STUDY	ENGINEERING PLTW PROGRAM OF STUDY	PROGRAMMING AND SOFTWARE DEVELOPMENT: COMPUTER SCIENCE STUDIES PROGRAM OF STUDY	PROGRAMMING AND SOFTWARE DEVELOPMENT: APP DEVELOPMENT PROGRAM OF STUDY MOBILEMAKERSDU
LEVEL 1	PRINCIPLES OF BIOMEDICAL SCIENCE [9-11] (1)	COMPUTER SCIENCE PRINCIPLES AP [9-12] (1)	INTRODUCTION TO ENGINEERING DESIGN [9-11] (1)	FUNDAMENTALS OF COMPUTER SCIENCE WITH ROBOTICS [8] (1) COMPUTER SCIENCE PRINCIPLES AP [9-12] (1)	
LEVEL 2	*HUMAN BODY SYSTEMS [10-12] (1)	COMPUTER SCIENCE I ADVANCED/ IB [9-12] (1)	*AEROSPACE ENGINEERING [10-12] (1) *DIGITAL ELECTRONICS [10-12] (1)	COMPUTER SCIENCE I ADVANCED/IB [9-12] (1)	
LEVEL 3	*MEDICAL MICROBIOLOGY [11-12] (1) *MEDICAL INTERVENTIONS [11-12] (1) ▲ BACE	*DIGITAL FORENSICS [10-12] (1)	*ENGINEERING SCIENCE [11-12] (1) ◇*COMPUTER INTEGRATED MANUFACTURING [10-12] (1) (RHS)	*COMPUTER SCIENCE A AP [10-12] (1) COMPUTER SCIENCE IB SL [11-12] (1)	◇MOBILE APPLICATION DEVELOPMENT: MOBILEMAKERSDU [11-12] (1) (CPHS, RHS)
LEVEL 4	*PRACTICUM IN STEM:BIOMEDICAL SCIENCE [12] (2) -OR- *SCIENTIFIC RESEARCH AND DESIGN [11-12] (1)	*CYBERSECURITY CAPSTONE [11-12] (1)	*SCIENTIFIC RESEARCH AND DESIGN [11-12] (1) *PRACTICUM IN STEM: ENGINEERING [12] (2)	*DIGITAL FORENSICS [10-12] (1) *COMPUTER SCIENCE III [11-12] (1) COMPUTER SCIENCE IB HL [12] (1) *PRACTICUM IN STEM: COMPUTER SCIENCE STUDIES [12] (2)	* ◇PRACTICUM IN STEM: MOBILEMAKERSSTUDIO [12] (2) (CPHS, RHS)

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Students who do not complete additional STEM endorsement requirements of Algebra II, Chemistry, and Physics, but earn four credits in a Computer Science Program of Study are eligible to earn a Business and Industry endorsement. Note: Refer to course catalog for additional course sequence options, course descriptions, General STEM Studies Program of Study option, and endorsement requirements. Dual credit courses may be substituted for requirements in appropriate areas; check with your counselor on available options.