



STEM ENDORSEMENT

OPTIONAL PATHWAYS:

1. Five credits in mathematics by successfully completing Algebra I, geometry, Algebra II, and two additional mathematics courses for which Algebra II is a prerequisite
2. Five credits in science (biology, chemistry, physics, and two additional courses)
3. Coherent sequence of 4 credits in computer science
4. Coherent sequence of 4 CTE classes related to STEM pathways
5. In addition to Algebra II, chemistry, physics, a coherent sequence of three additional credits from no more than two of the areas in (1), (2), (3), and (4) above

Note: Each of the sample graduation plans below assumes the student participates in an activity to include team sports, band, drill team, or ROTC that may earn PE and/or fine arts credit(s). The student is required to receive both credits for graduation and may be required to take an additional course to satisfy both requirements.

MATHEMATICS PATHWAY example: (also earns Multidisciplinary Studies Endorsement)

<9 TH	9 TH	10 TH	11 TH	12 TH
	English I	English II	English III	English IV
Algebra I	Geometry	Algebra II	Advanced Math	Advanced Math
	Biology	Chem. or Physics	Advanced Science	Advanced Science
	W. Geo or W. Hist.	US History	Govt./Eco.	Psychology/ Human Geog.
	AVID I	AVID II	AVID III	AVID IV
	LOTE	LOTE	Health/Speech	Fine Arts or PE*
	ACTIVITY (Fine Arts or PE)	ACTIVITY	ACTIVITY	ACTIVITY

SCIENCE PATHWAY example:

<9 TH	9 TH	10 TH	11 TH	12 TH
	English I	English II	English III	English IV
	Algebra I	Geometry	Algebra II	Advanced Math
	Biology	Chemistry	Physics	Advanced Science
	*W. Geo or W. Hist.	*US History	*Govt./Eco.	Advanced Science
	AVID I	AVID II	AVID III	AVID IV
	LOTE	LOTE	Health/Speech	Fine Arts or PE*
	ACTIVITY (Fine Arts or PE)	ACTIVITY	ACTIVITY	ACTIVITY

Note: some colleges may require 4 credits of social studies for admission and student may consider taking a HS credit in 8th grade or summer school to allow for additional social studies credit in schedule.



STEM ENDORSEMENT cont.

COMPUTER SCIENCE/MATH PATHWAYS example:

<9 TH	9 TH	10 TH	11 TH	12 TH
	English I	English II	English III	English IV
Algebra I	Geometry	Algebra II	Pre-Calculus	Game Programming
	Biology	Chem. or Physics	Advanced Science	Advanced Science
	Principles of Comp. Science I	*W. Geo or W. History	*US History	*Govt./Eco.
	AVID I	AVID II	AVID III	AVID IV
LOTE	LOTE	Computer Science AP	Computer Science III	Fine Arts or PE*
	ACTIVITY (Fine Arts or PE)	ACTIVITY	ACTIVITY	ACTIVITY

Notes:

- requires health (.5) and speech (.5) in summer school
- some colleges may require 4 credits of social studies for admission and student may consider taking a HS credit in summer school to allow for additional social studies credit in schedule.

ENGINEERING PATHWAY example:

<9 TH	9 TH	10 TH	11 TH	12 TH
	English I	English II	English III	English IV
Algebra I	Geometry	Algebra II	Pre-Calculus	Engineering D&D
	Biology	Chem. or Physics	Advanced Science	Advanced Science
	Intro. to Engineering	*W. Geo or W. History	*US History	*Govt./Eco.
	AVID I	AVID II	AVID III	AVID IV
LOTE	LOTE	Principles of Engineering	Civil & Arch. Engineering	Fine Arts or PE*
	ACTIVITY (Fine Arts or PE)	ACTIVITY	ACTIVITY	ACTIVITY

Notes:

- requires health (.5) and speech (.5) in summer school
- some colleges may require 4 credits of social studies for admission and student may consider taking a HS credit in summer school to allow for additional social studies credit in schedule.