

Name \_\_\_\_\_  
Advisor \_\_\_\_\_  
Class of \_\_\_\_\_

**Engineering, Sciences and Mathematics Pathway Diploma  
Requirements**

With your Advisor, check off classes that have been taken to meet requirement. Then, when all requirements under a subject heading have been met, have your Advisor initial on the line next to the subject heading. If a class is being waived, please have the teacher of that class initial on the line before the class.

\_\_\_\_\_ **1000's English (4.0 credits)**

- \_\_\_\_\_ Freshman English (1.0)
- \_\_\_\_\_ Contemporary Voices: Sophomore English or AP English Language (1.0)
- \_\_\_\_\_ Junior English or AP English Language or AP English Literature (1.0)
- \_\_\_\_\_ Senior English or AP English Literature (1.0)

\_\_\_\_\_ **2000's Social Studies (3.33 credits)**

- \_\_\_\_\_ American Government (.33)
- \_\_\_\_\_ Global Geography (.66)
- \_\_\_\_\_ American History (1.0) or AP American History (1.0)
- \_\_\_\_\_ World History (1.0) or AP European History (1.0)
- \_\_\_\_\_ Economics (.33) or AP Economics (1.0) or High School of Business 1-Principles of Business and Business Economics Honors (.66)

\_\_\_\_\_ **3000's Math (4.0 credits)**

- \_\_\_\_\_ Geometry or Geometry Honors (1.0)
- \_\_\_\_\_ Algebra 2 or Algebra 2 Honors (1.0)
- \_\_\_\_\_ Pre-Calculus or Pre-Calculus Honors (1.0)
- \_\_\_\_\_ AP Calculus (1.0)

\_\_\_\_\_ **4000's Science (For students with Emphasis in Science or Math) (5.0 credits)**

- \_\_\_\_\_ Conceptual Physics (.33)
- \_\_\_\_\_ Biology Concepts (.33)
- \_\_\_\_\_ Earth Systems (.33)
- \_\_\_\_\_ Introduction to Engineering (1.0)
- \_\_\_\_\_ AP Chemistry or AP Physics (1.0)

Additional 2.0 credits in Science coursework as decided upon by parent, advisor, and student.

Credits	Course
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

\_\_\_\_\_ **4000's Science (For students with Emphasis in Engineering) (5.0 credits)**

- \_\_\_\_\_ Conceptual Physics (.33)
- \_\_\_\_\_ Biology Concepts (.33)
- \_\_\_\_\_ Earth Systems (.33)

- \_\_\_\_\_ Introduction to Engineering (1.0)
- \_\_\_\_\_ Physics (1.0)
- \_\_\_\_\_ AP Chemistry, or AP Physics (1.0) Note: AP Physics strongly recommended.

Additional 1.0 credits in Science coursework as decided upon by parent, advisor, and student.

Credits	Course

\_\_\_\_\_ **5000's Career & Technical Education (CTE) (1.0 credit)**

- \_\_\_\_\_ Career Exploration (.33)
- \_\_\_\_\_ Computer Applications (.33)

Additional .33 credit in CTE coursework as decided upon by student, advisor and parent.

Credits	Course

\_\_\_\_\_ **6000's Fine Arts (1.0 credit of which .33 must be a visual art)**

- \_\_\_\_\_ Intro to Art (.33)

Additional .66 credit in Fine Arts coursework as decided upon by parent, advisor, and student.

Credits	Course

\_\_\_\_\_ **7000's World Language (2.0 credits of same language)**

Students may enroll in a language of their choice. Students who plan to attend a four-year college should plan to take three years of a language.

Credits	Course

\_\_\_\_\_ **8000's Wellness (1.0 credit)**

- \_\_\_\_\_ Intro to Health & Wellness (.33)
- \_\_\_\_\_ PE Class (.33)

Additional .33 credit in Wellness coursework as decided upon by parent, advisor, and student.

Credits	Course

\_\_\_\_\_ **9000's Interdisciplinary (.66 credit)**

Credits	Course

**Advising (2.40 credits)**

- Freshman year (.60)
- Sophomore year (.60)
- Junior year (.60)
- Senior year (.60)

       **Community Service – 50 hours**

       **Shadowing – 3 half-day shadowings**

- Shadowing #1
- Shadowing #2
- Shadowing #3

       **Internship – 50 hours in field of Engineering, Science, or Mathematics.**

DATE	NUMBER OF HOURS	LOCATION	ADVISOR SIGNATURE

       **Pathway Exploration – Additional 50 hours in field of Engineering, Science, or Mathematics. This may be completed through additional shadowings, community service or internship.**

DATE	NUMBER OF HOURS	TYPE OF EXPERIENCE (Internship, Community Service, or Shadowing)	LOCATION	ADVISOR SIGNATURE

       **Portfolio**

       Portfolio completed

       **Senior Project**

       Senior Project completed

       **Total Credits**

       Will have earned at least 29 credits by graduation

       **Request for Pathway Diploma submitted to Student Services – First Trimester of Senior year** - Date received \_\_\_\_\_ by \_\_\_\_\_

       **Pathway Requirements (this form) submitted to Student Services – Third Trimester of Senior year** – Date received \_\_\_\_\_ by \_\_\_\_\_

## Request for Pathway Diploma

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_

This is to certify that the above-named student is committed to completing the graduation requirements for the \_\_\_\_\_ Pathway and is requesting the corresponding pathway diploma.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Advisor Signature

\_\_\_\_\_  
Date

Turned in to Student Services on \_\_\_\_\_ (must be during first trimester of senior year).

Received by \_\_\_\_\_.