Engineering 4 Year Pathway Flowchart

Freshman Year	Sophomore Year	Junior Year	Senior Year

Freshman Year

*PLTW (F - year 1)
- ED (Engineering Design) [art credit]

*Math (C - year 1)
- Integrated Math 1 En
- Integrated Math 2 En

*LA (B - year 1)
- Language Arts 1 Hon

*Science (D - year 1)
- Biology
- Biology Hon (optional)

Foreign Language (E - year 1)
- Spanish 1
- Spanish 2

*PE
- Sports
- Marching Band
- ROTC

Optional
- **AP Human Geography (G)**
- Online Health

Sophomore Year

*PLTW (G - year 1)
- POE (Principles of Engineering)

*Math (C - year 2)
- Integrated Math 2 En
- Integrated Math 3 En
- Accelerated PreCal

*LA (B - year 2)
- Language Arts 2 Hon

*Science (D - year 2)
- Physics

Foreign Language (E - year 2)
- Spanish 2 (can be taken in summer school although Spanish 3 cannot be taken)
- Spanish 3 (optional)

PE
- Sports
- Marching Band
- ROTC

*History (A - year 1)
- World History
- **AP European History**

Junior Year

PLTW (G)
- CIM (Computer Integrated Manufacturing)
- AE (Aerospace Engineering)

Math (C - year 3)
- Integrated Math 3 En
- Accelerated PreCal
- Trig
- PreCal Hon
- **AP Calc AB**
- **AP Stats**

LA (B - year 3)
- **AP Englinsh Language Composition**
- Language Arts 3

Science (D - year 3)
- Chemistry Hon

History (A - year 2)
- **AP US History**
- US History

Visual / Performing Art (can be taken as a senior instead) (F)
- Graphic Design

Optional
- Spanish 3 (E)
- Health / Online Health (if not taken already)
- ROTC / Marching Band / Sports

Senior Year

PLTW (G)
- EDD (Engineering Design and Developement)

Aviation

Math (C - year 4)
- PreCal Hon
- Trig
- **AP Calc AB**
- **AP Calc BC**
- **AP Stats**

LA (B - year 4)
- **AP Literature and Comp**
- Literature

Science (based on future college major or career choice) (D)
- **AP Biology**
- **AP Chemistry**
- **AP Physics C**
- **AP Enviromental Science**

History (A)
- **AP Government / AP Econ**
- Government

Optional
- Internship
- Lab Assistant
- ROTC / Marching Band / Sports
- **AP Psychology (G)**
- Visual / Performing Art (F)
- Extra Science Class (D)
- **AP Art History (A)**

* indicates cohort classes
All PLTW courses are considered Honors and carries a weighted point value.