Engineering Pathway

Students completing the Engineering Pathway will graduate from AHS with up to 45 dual credits (in partnership with the University of Connecticut, the University of New Haven and Housatonic Community College). Students have the opportunity to earn Microsoft Office Pro, OSHA-10 and Solidworks Certifications.

Freshman Year

1. English I
2. Algebra or Geometry
3. Global History I and II
4. General Science/Biology Honors
5. World Language or RRI/RRII or Developmental Reading/Math Lab
6. Seminar
7. Health/PE
8. *Introduction to Technology* or Art or Music

Sophomore Year

1. English II or English II Honors
2. Geometry or Algebra II
3. Civics/Sociology
4. Biology/ECE-AP Biology*** (UConn College Credit/Double Period)
5. Biology Lab or Art/Music or Intro to Computer Science
6. Health II/PE
7. World Language or RRI/RRII or Developmental Reading/Math Lab
8. Introduction to Engineering^ (UNH College Credit)

Junior Year

1. English III or English III Honors or AP Language and Composition
2. Algebra II / Pre-Calculus
3. US History / ECE-AP US History** (UConn College Credit)
4. Chemistry/ ECE-AP Chemistry*** (UConn College Credit) or Science Elective
5. Chemistry Lab or General Elective
6. Personal Finance I / Personal Finance II
7. Principles of Engineering^ (UNH College Credit)
8. Blueprint Reading^ (HCC College Credit) or World Language III

Senior Year

1. Composition and Rhetoric* (UB College Credit) / ECE Seminar in Academic Writing and Multimodal Composition< (UConn College Credit) or English Reading Elective and Senior Composition
2. Pre-Calculus, Calculus, or Statistics
3. Study/Work Release or General Elective
4. Intro to Advanced Computer Concepts / *Advanced Computer Concepts** (HCC College Credit)
5. Intro to Computer Science or AP Computer Science or World Language IV
6. *Solidworks** (HCC College Credit) / Benchworks+ (HCC College Credit)
7. Intro to Foundations of Business / Foundations of Business* (HCC College Credit)
8. Aerospace Engineering or Digital Electronics* (UNH College Credit)

+1 Credit Class
^2 Credit Class
*3 Credit Class
<4 Credit Class
**6 Credit Class
**8 Credit Class
ndustry Certification

Competitive Internship Opportunity with Sikorsky/Lockheed Martin Teamsters Internship Program or Budderfly, Inc. Students can participate in the Sikorsky STEM Challenge or Electronics Foundation Club.