

Advanced Manufacturing Pathway

Students completing the Advanced Manufacturing Pathway will graduate from AHS with up to 40 dual credits (in partnership with the University of Connecticut Early College Experience Program, The University of New Haven Project Lead the Way Program, and Housatonic Community College). Currently, 5 credits lead to the HCC Advanced Manufacturing Certificate Program.

Freshman Year

1. English I
2. Algebra or Geometry
3. Global History I and II
4. General Science/Biology Honors
5. World Language
6. Seminar
7. Health/PE
8. Computer Applications/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*** (ECE College Credit/Double Period)
5. Health/PE
6. World Language
7. Technology Education I
8. Biology Lab or Art/Music or Intro to Computer Science

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** (ECE College Credit)
4. Chemistry/ECE-AP Chemistry*** (ECE College Credit) or Science Elective
5. Intro to Engineering (PLTW, UNH College Credit)
6. Blueprint Reading^ (HCC College Credit)
7. Personal Finance I/Health II
8. Chemistry Lab or General Elective

Senior Year

1. Honors College Writing/ECE-AP Literature and Composition or English Reading Elective and Senior Composition
2. Senior Math Course
3. Solid Works (HCC College Credit)
4. Advanced Computer Concepts (HCC College Credit)
5. Principles of Engineering (PLTW, UNH College Credit) or General Elective
6. Intro to Computer Science or General Elective
7. Foundations of Business (HCC College Credit) or General Elective
8. Study/Work Release or General Elective

^2 Credit Class

*4 Credit Class

**6 Credit Class

***8 Credit Class

Competitive Internship Opportunity with Sikorsky/Lockheed Martin Teamsters Internship Program