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, The University of New Haven, the University of Bridgeport,and Housatonic Community College). Currently, 5 credits lead to the HCC Advanced Manufacturing Certificate Program. 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. Technology Education I / Technology Education II

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/General Elective
7. Technology Education III or Intro to Engineering^ (UNH College Credit)
8. Blueprint Reading^ (HCC College Credit) / General Elective

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. Intro to Computer Concepts */ Advanced Computer Concepts** (HCC College Credit)
4. Principles of Engineering* (UNH College Credit) or General Elective
5. Intro to Computer Science or General Elective
6. Into to Foundations of Business / Foundations of Business* (HCC College Credit) or General Elective
7. Study/Work Release or General Elective
8. *Solidworks** (HCC College Credit) / Benchworks+ (HCC College Credit)

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

Competitive Internship Opportunity with Sikorsky/Lockheed Martin Teamsters Internship Program.