QUICK GUIDE: AHS PATHWAYS

AHS PATHWAYS	Advanced Manufacturing	Allied Health: Exercise Science	Allied Health: Exploratory	Allied Health: Patient Care Technician	Business	Education	Engineering	Law & First Responders
Description	Earn credits toward Housatonic Community College (HCC) Advanced Manufacturing Certificate Program. Students interested in using technology to design and produce products in biomedical, defense, and various other areas.	Graduate with knowledge of sub-disciplines of exercise science through lectures and scenarios. Upon completion of the course, students will be exposed to topics such as sports nutrition, exercise physiology, and sports psychology.	Explore a variety of careers in the allied health field through hands-on activities, demonstrations, and real-world scenarios. Students will be introduced to different healthcare professions, learn about the roles and responsibilities of healthcare professionals, and explore career pathways in the medical field.	Graduate HS as a certified Patient Care Technician (PCT). A PCT works in health-care providing basic care to patients. Good for students interested in careers in the medical field.	Graduate with knowledge of all aspects of business including accounting, marketing, finance, etc.	Suited for students with a strong interest in a career in education: teacher, school counselor, school social worker, school psychologist, speech language pathologist, administrator.	Earn credits towards the University of New Haven's Engineering Program. For students interested in all fields of engineering (mechanical, electrical, computer, civil, etc.)	Introduces students to careers in criminal justice, emergency management, and public service fields.
Results of Pathway	*Earn up to 33 dual enrollment credits (UCONN/HCC/UNH) *Earn 6 credits towards the HCC Advanced Manufacturing Certificate *Internship opportunity with Sikorsky/Lockheed Martin Teamsters	*Earn up to 26 dual enrollment credits (UCONN/HCC/UB) *Students enrolled in the ACE Personal Trainer course can take the ACE Personal Trainer Certification Exam.	*Earn up to 26 dual enrollment credits (UCONN/HCC/UB)	*Employment as a PCT upon successful completion of the pathway. *Earn up to 40 dual enrollment credits (UCONN/HCC/UB) *Complete 50 volunteer hours *Complete 17-week course administered by Griffin Hospital (Semester 2 Senior Year)	*Earn up to 28 dual enrollment credits (UCONN/HCC/UB) *Opportunity for induction into the National Business Honor Society. *Internship opportunity with Budderfly and Microboard	*Earn up to 31 dual enrollment credits (UCONN/HCC/SCSU) *Complete 30 hour practicum in an educational setting *Opportunity to enroll in Quinnipiac University's ED Rising Program junior year	*Earn up to 33 dual enrollment credits (UCONN/HCC/UB/UNH) *Internship opportunity with Budderfly	*Earn up to 18 dual enrollment credits (UCONN/HCC/UB) *Can apply for Beacon Falls Police Cadet Program
Course Enrollment	Introduction to Technology: 9, 10 Advanced Computer Concepts: 10, 11, 12 Blueprint Reading and Solidworks: 11, 12 Benchwork: 12	Intro to Allied Health: 9, 10, 11, 12, Advanced Computer Concepts: 10, 11, 12 Intro to Exercise Science: 10, 11 ACE Personal Trainer: 11, 12 Medical Terminology: 12	Intro to Allied Health: 9, 10, 11, 12 Intro to Exercise Science: 10, 11, 12 Intro to Public Health: 12	Biology: 10 Chemistry: 11 Anatomy & Phys.: 11 ECE Medical Terminology: 12 Intro to Allied Health: 9, 10, 11, 12 Seventeen-week course administered by Griffin Hospital: 12, Semester 2	Advanced Computer Concepts: 10, 11, 12 Foundations of Business: 10, 11, 12 Accounting: 11, 12 Marketing: 11, 12	Future Educators I: 10, 11, 12 Future Educators II/ EDU 200: 11, 12	Intro to Technology: 9, 10 Intro to Engineering: 9, 10 Principles of Engineering: 10, 11, 12 Digital Electronics: 11, 12 Aerospace Engineering: 11, 12	Introduction to Criminal Justice: 10, 11, 12 Political Science: 11, 12 (Pending Approval)
Prerequisites / Recommended Courses / Qualifications	Tech Ed I, Tech Ed II and Tech Ed III, Graphic Design I, Graphic Design II, Intro to Engineering, and Personal Finance are strongly encouraged. Must take a class with a TE certified teacher to apply for Sikorsky Teamsters internship junior year.	Biology, Intro to Microbiology, Psychology, Anatomy and Physiology, Statistics, and Personal Finance are strongly encouraged.	Biology, Intro to Microbiology, Chemistry, Society, and You, Anatomy and Physiology, Psychology, and Personal Finance are strongly encouraged.	Apply sophomore year Recommended 90 average or better in science, 3.0 GPA, good behavior, good attendance. Students must complete 4 math credits by the end of junior year. Students must complete 4 credits of English by the end of semester 1 senior year. Personal Finance is strongly encouraged.	Intro to Business Editing and Publishing, Graphic Design I, II, III, Computer Applications I, II, Personal Finance I, II, Business of Sports and Entertainment, Entrepreneurship, International Business, Business Editing and Publishing (Yearbook), and Personal Finance, are strongly encouraged	Computer Applications I and II, Intro to Business Editing Publishing, Graphic Design I, II, Intro to Psychology, AP Psychology, World Cultures, African American / Black and Puerto Rican / Latino Studies, Intro to Public Health, and Personal Finance are strongly encouraged. Successful completion of Future Educators I, strong interest in a career in education. Willing to work with children.	Computer Applications I, Advanced Computer Concepts, Blueprint Reading, Computer Science elective, Solidworks, Benchworks, Pre-Calculus, Calculus, Physics, and Personal Finance are strongly encouraged.	World Cultures, Advanced Computer Concepts, Psychology, Sociology, International Business, Accounting, Introduction to Forensics, Psychology, African American / Black and Puerto Rican / Latino Studies, Medical Terminology, Contemporary Issues, Introduction to Public Health, and Personal Finance are strongly encouraged.
Industry Recognized Credentials	Certifications: Microsoft Office Pro OnShape (Pending Approval) OSHA-10 Solidworks Associate	Certifications: ACE Personal Trainer CPR (Pending Approval) First Aid (Pending Approval) Microsoft Office Pro	Certifications: CPR (Pending Approval) First Aid (Pending Approval)	Certifications: CPR (Pending Approval) First Aid (Pending Approval) PCT Phlebotomist CNA (additional cost)	Certifications: Microsoft Office Pro	Certifications: CPR (Pending Approval) First Aid (Pending Approval)	Certifications: Microsoft Office Pro OnShape Certification (Pending) OSHA 10 Solidworks Associate	Certifications: CPR (Pending Approval) First Aid (Pending Approval)
Extension Opportunities	Advanced Manufacturing students are encouraged to take the after-school Precision Machine Technology Program offered at EOB by the Justice Education Center.	Exercise Science Pathway students can participate in a Job Shadow with Athletic Trainers at the Hopkins School.	Allied Health Exploratory Pathway students are encouraged to take the after-school EKG Certification course offered at EOB by the Justice Education Center.	Allied Health PCT Pathway students are encouraged to take the after-school EKG Certification course offered at EOB by the Justice Education Center.	Students can intern in the school store: 12.	Education Pathway students participate in the Junior Achievement High School Heroes Program.		Students can apply to the Beacon Falls Police Cadet Program.
Clubs / Other	Advanced Manufacturing students can join Charger Creative. Students can apply for the Sikorsky Teamsters Internship as a rising senior.		**New Pathway Program for 2026-2027 School Year**	Semester 2 senior year competed at Griffin Hospital. Students must complete 50 volunteer hours.	Business Pathway students can join DECA, FBLA, and the Stock Market Challenge Team. Students can apply for an internship at Budderfly or Microboard as a rising senior.	Education Pathway students can join the Future Teachers Club and volunteer at Literacy and Math Nights and Extended School Day Programs at Mead and Prendergast Schools. Students can enroll in Quinnipiac University's ED Rising Program junior year.	Engineering students are encouraged to join the STEM Challenge Team and/or the Electronics Club. Students can apply for an internship at Budderfly as a rising senior.	Students can join the Mock Trial Team or the Mock Ordinance Club.
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