

CAREER AND TECHNICAL EDUCATION

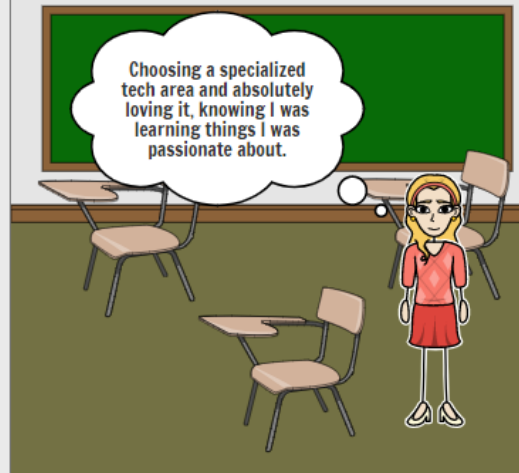


HARFORD TECHNICAL HIGH SCHOOL

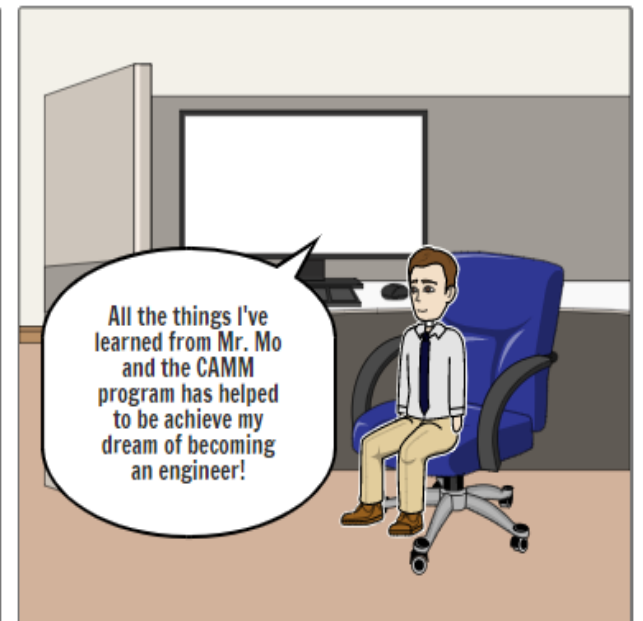
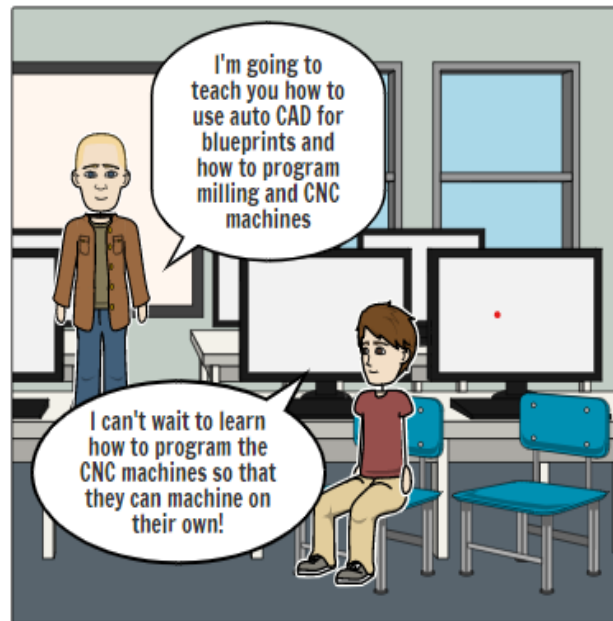
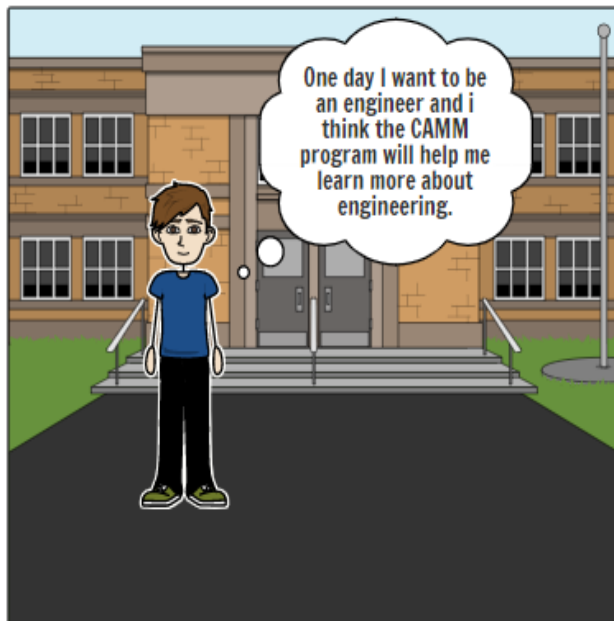
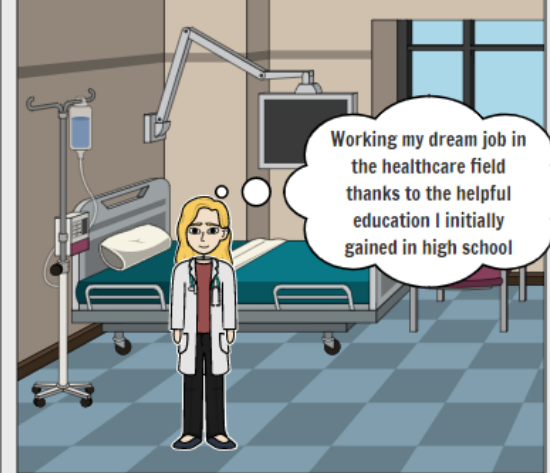
Where I was...



Where I am...

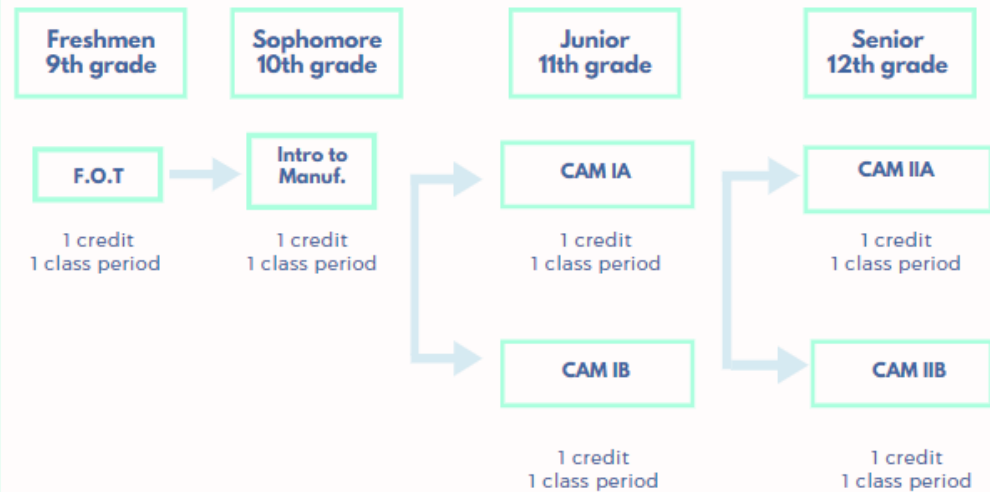


Where I will be...



Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 11/12: Manual Milling Turning Operations Drill Press CNC Math: Trigonometry Science: Physics ELA: Lexile 1100	HCC: (2 credits) CCBC : (17 credits) Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Physics Trigonometry 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 13
			CAM technician	Mechanical Engineer	Engineering	
			Maintenance Mechanic	Tooling Engineer		
			Manufacturing Technician	Product Engineer		
				Controls Engineer		

COMPUTER AIDED MACHINING

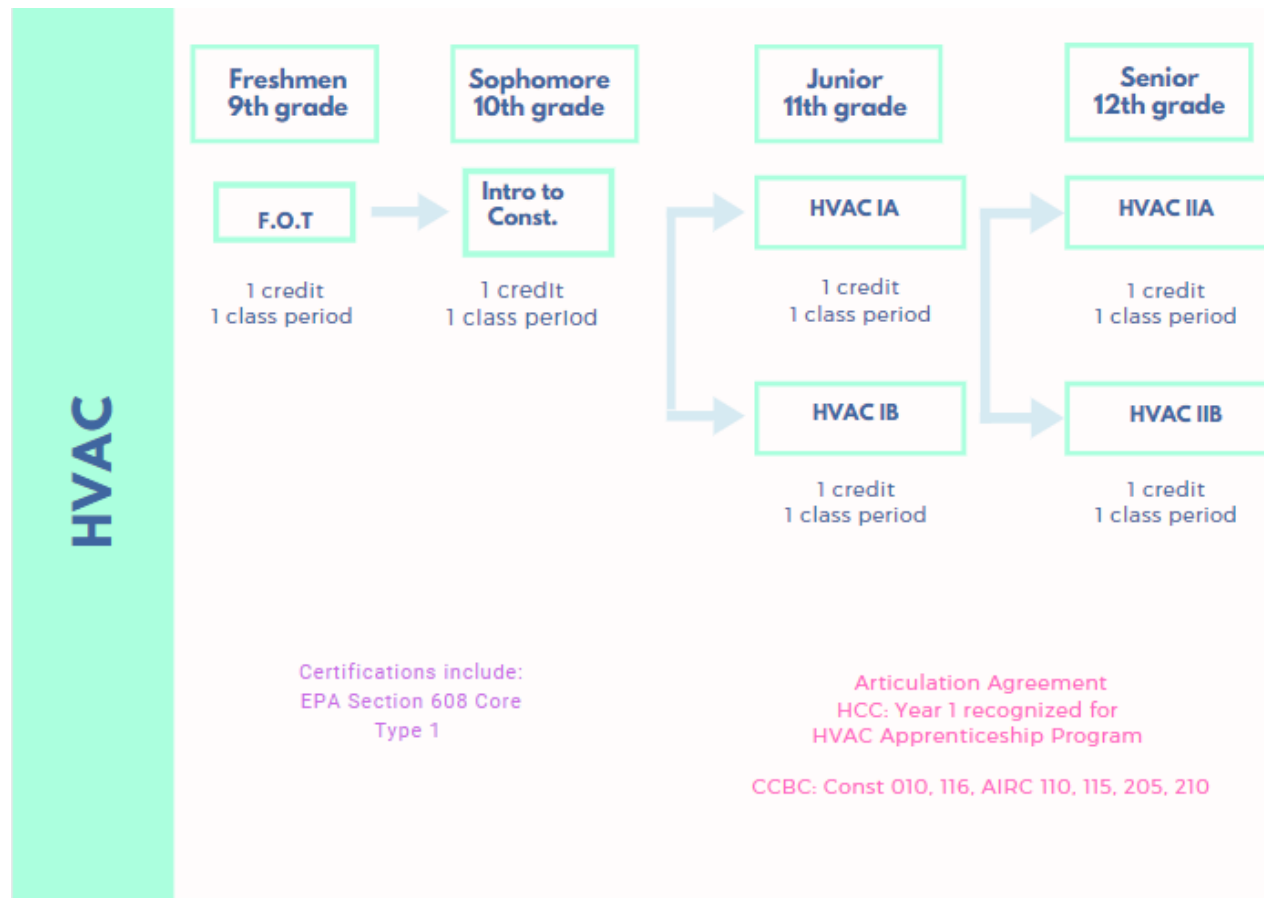


NIMS Certifications include:
 Manual Milling
 Turning Operations
 Drill Press
 CNC

Articulation Agreement
 HCC: ENGR 101, CAM 1, CAM 2 for Trades and Industry Certification Program

CCBC: CAMM 101, 111, 112, 152, and 161

Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 11/12: State Skills Certificate Math: Geometry Science: N/A ELA: Lexile 1220	HCC: 1 – year apprenticeship complete CCBC (18 credits) Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Accounting Economics Business 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 13
			HVAC Technician	Building Code Inspector		
			Engineering Technician	Project Manager		
			Construction Occupations	Cost Estimator		



Middle School



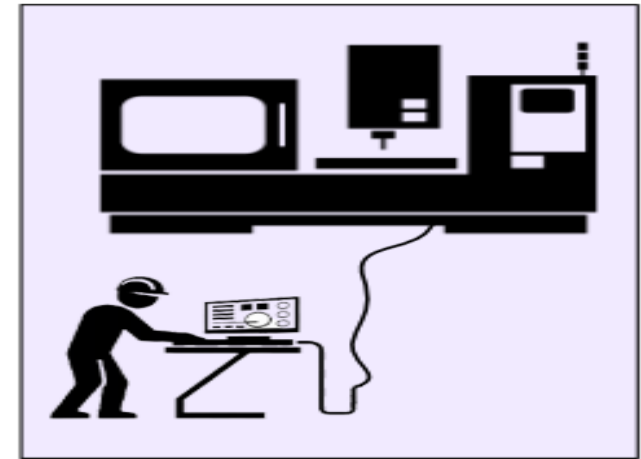
I applied to both SMA and Tech during middle school. I ended up making a tough decision to go to Tech instead of with my friends – but I'm so glad I did.

High School

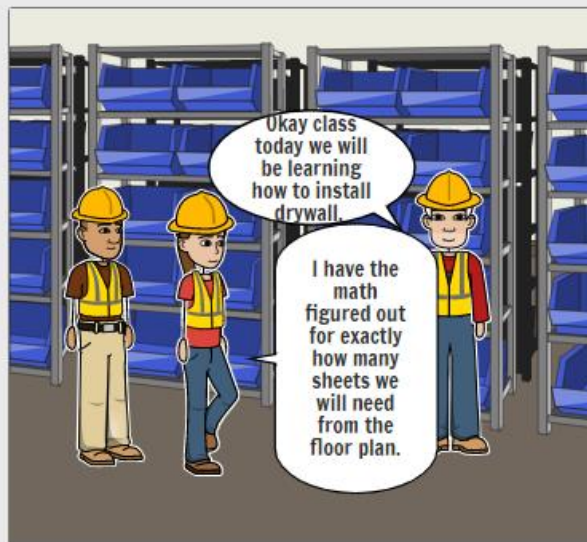


High School has been the best experience for me. I have really enjoyed learning in my tech area because I love hands on learning experiences. I enjoy it so much I got an internship at a local machine shop to get better at it and have more experience.

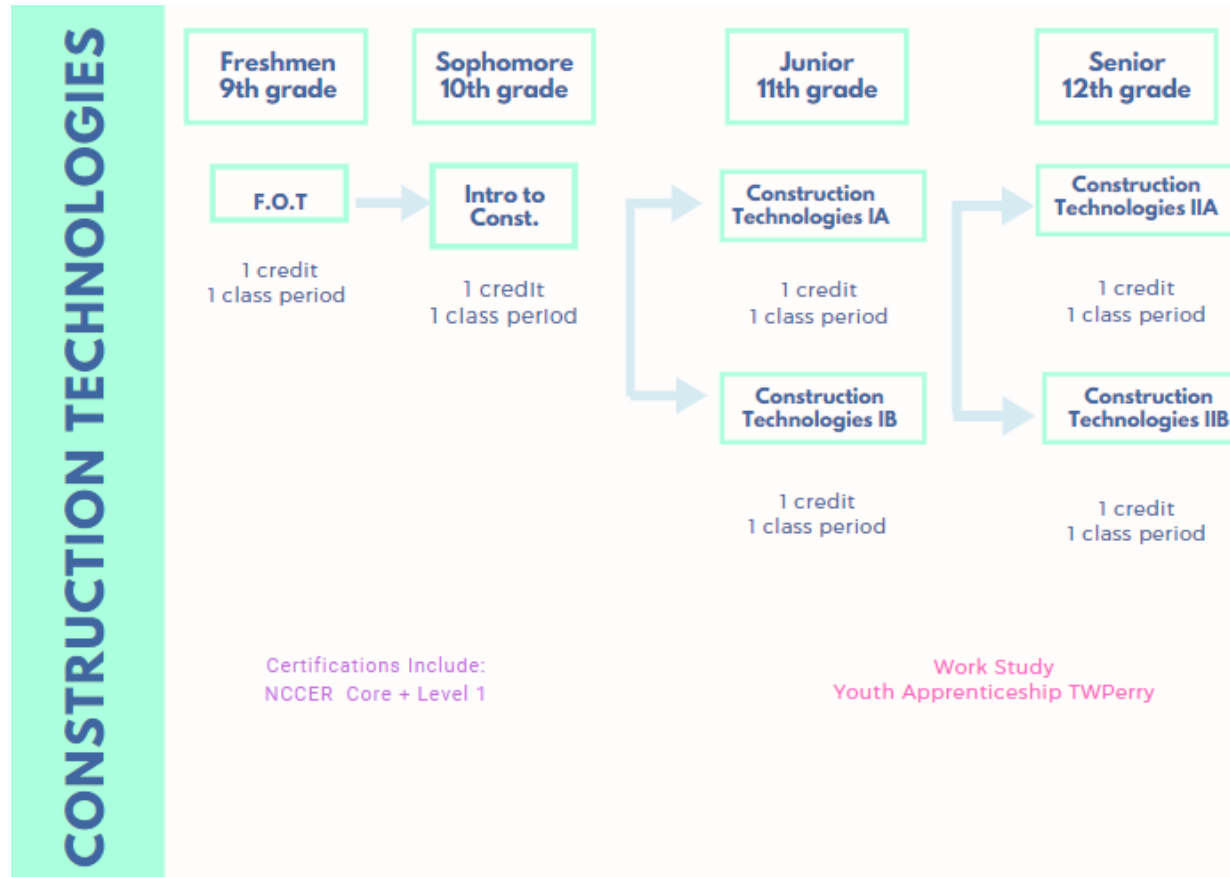
Future



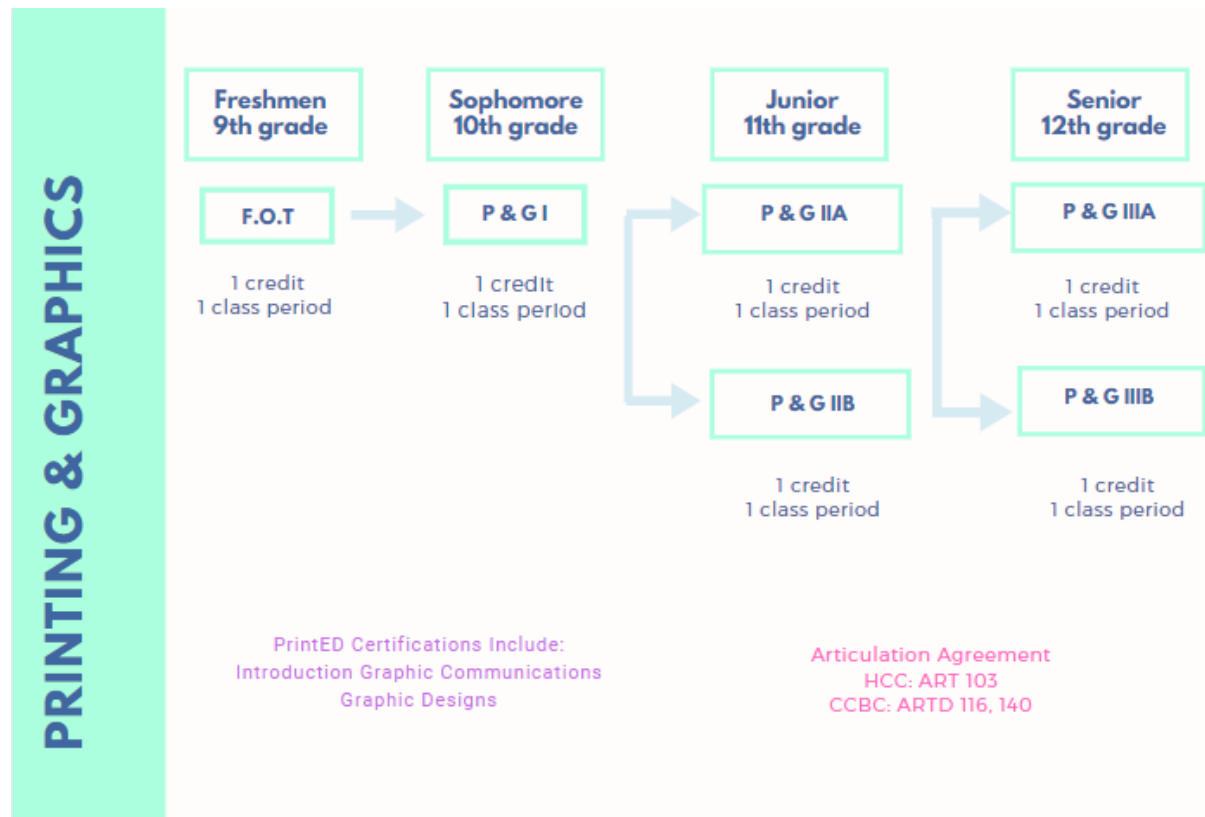
In my future, after high school, I plan to do an apprenticeship for CNC machining. That way, I can be learning, working, and earning money. I will also be earning college credits to get my Associates or Bachelor's degree.



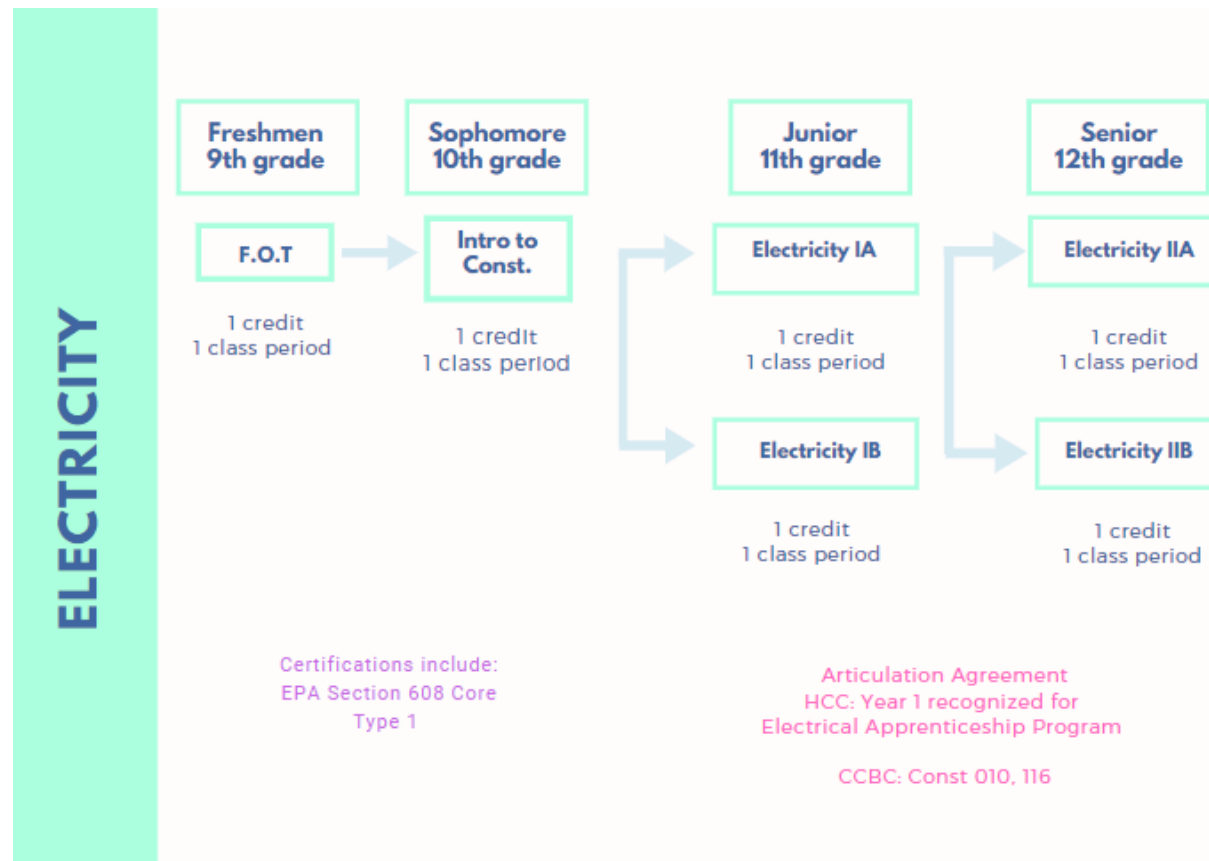
Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity								
<p>Grade 9: NCCER Core</p> <p>Grade 10: NCCER Level 1</p> <p>State Skills Certificate</p> <p>Math: Geometry</p> <p>Science: N/A</p> <p>ELA: Lexile 1220</p>	N/A	<ul style="list-style-type: none">AccountingEconomicsBusiness	<table><tr><th>Associates or below</th><th>Bachelors</th><th>Masters</th></tr><tr><td>Carpenter</td><td>Building Code Inspector</td><td></td></tr><tr><td>Construction Manager</td><td>Project Manager</td><td></td></tr></table>	Associates or below	Bachelors	Masters	Carpenter	Building Code Inspector		Construction Manager	Project Manager		Minimum: 10 Maximum: 15	
Associates or below	Bachelors	Masters												
Carpenter	Building Code Inspector													
Construction Manager	Project Manager													

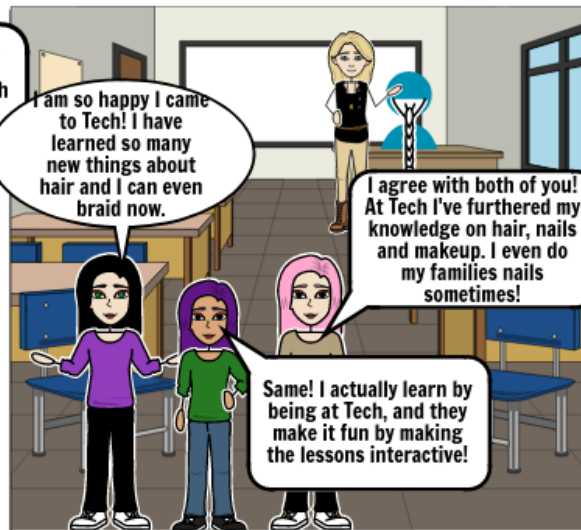
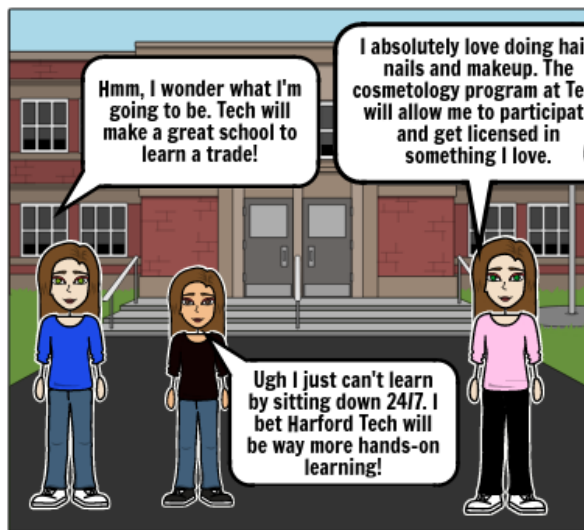
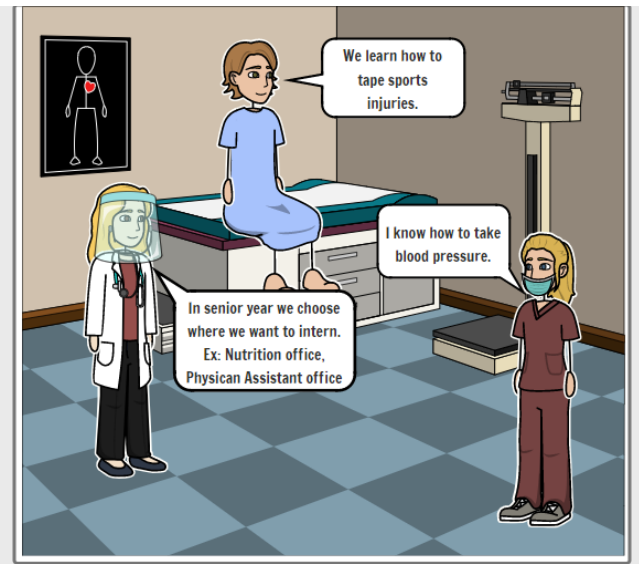
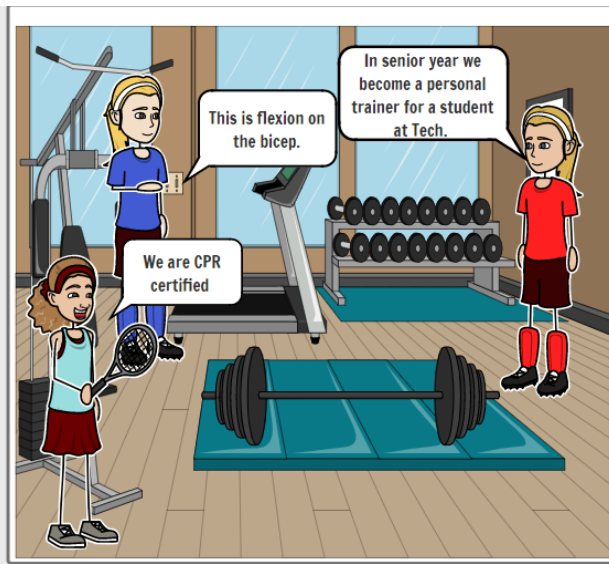
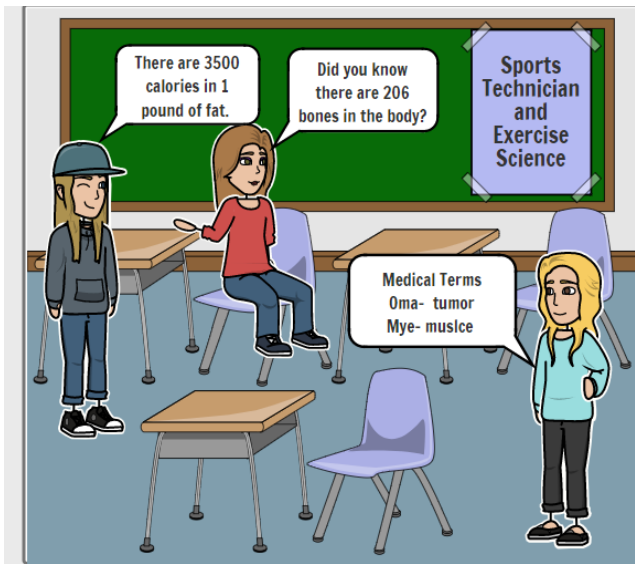


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 11: Introduction to Graphic Communication Grade 12: Graphic Design Math: Geometry Science: N/A ELA: Lexile 1120	HCC (3 credits) CCBC (6 credits) Student must maintain a 3.0 average each quarter.	<ul style="list-style-type: none"> • Art • Business • Accounting 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 18
			Graphic Designer Assistant	Operations Manager	Graphic Designer	
			Desktop Publisher			
			Digital Imaging Specialist			

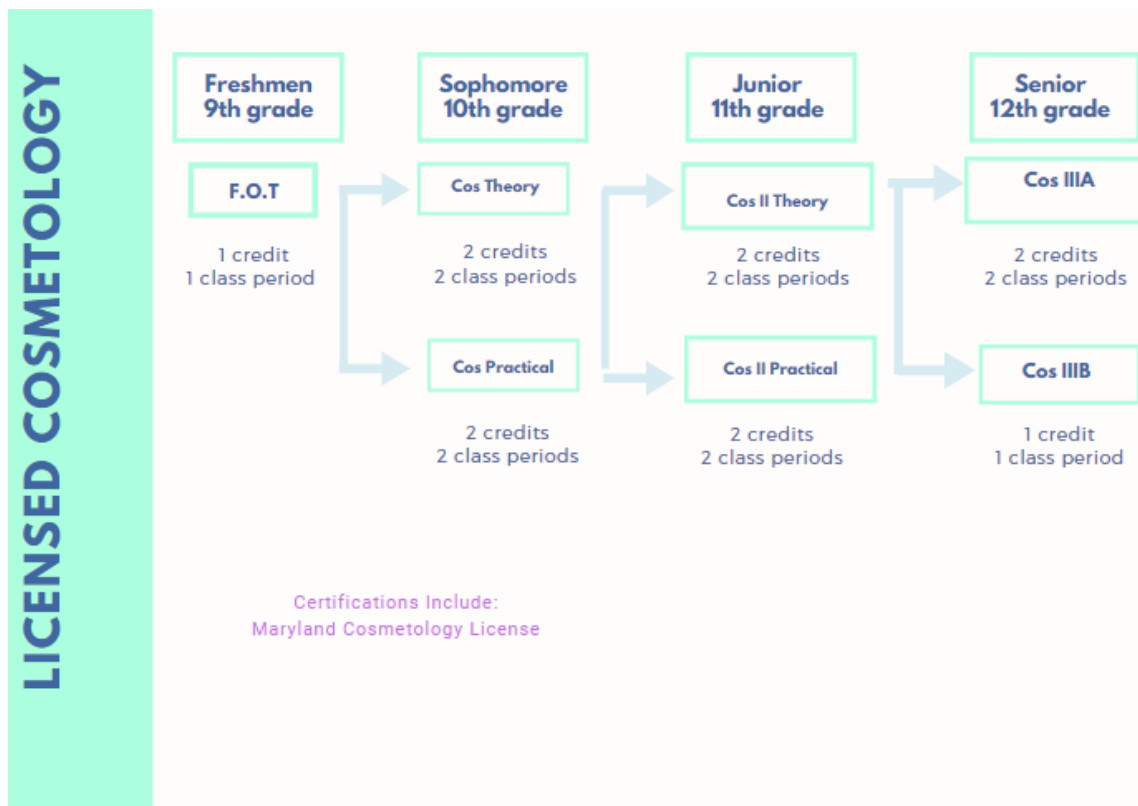


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 11/12: State Skills Certificate Math: Geometry Science: N/A ELA: Lexile 1220	HCC: 1 – year apprenticeship complete Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Chemistry Physics Trigonometry Business Economics 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 15
			Electrician	Building Code Inspector		
			Construction Manager	Project Manager		
				Electrical Engineer		

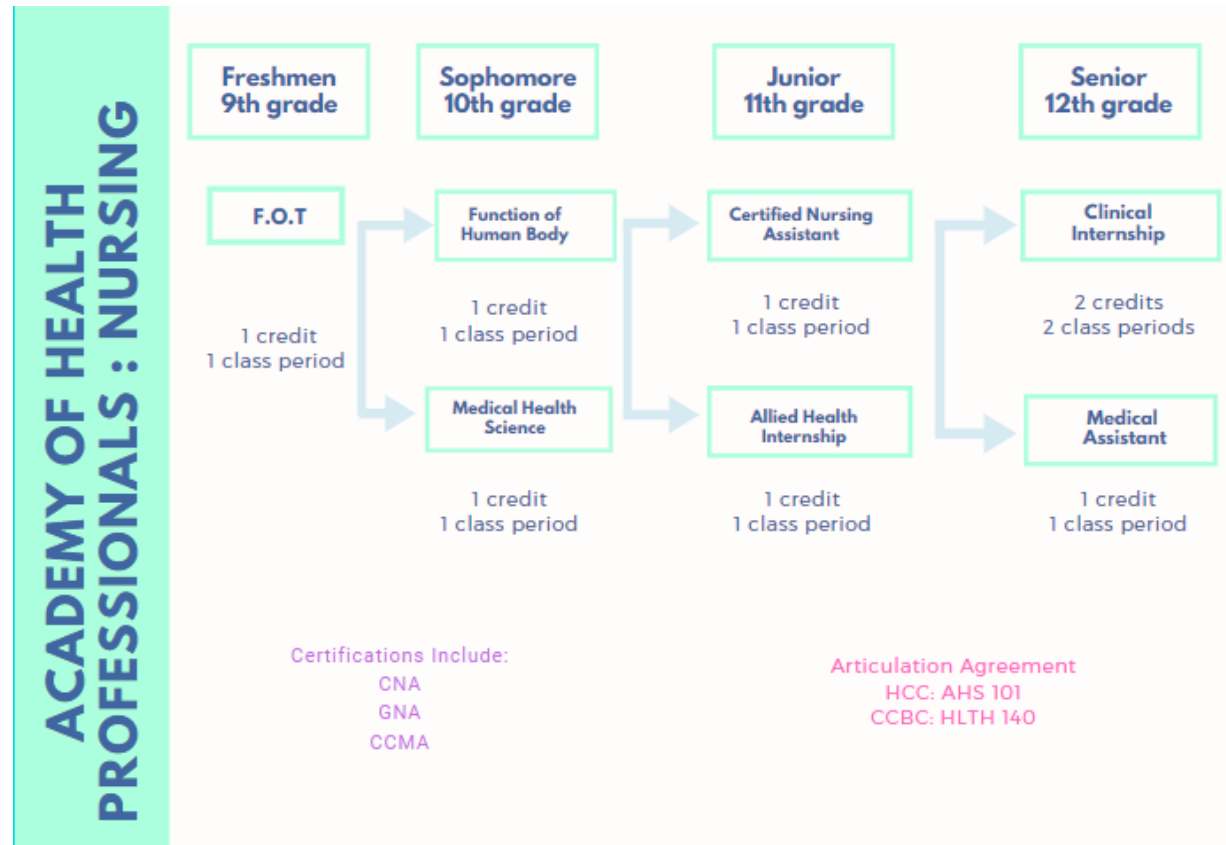


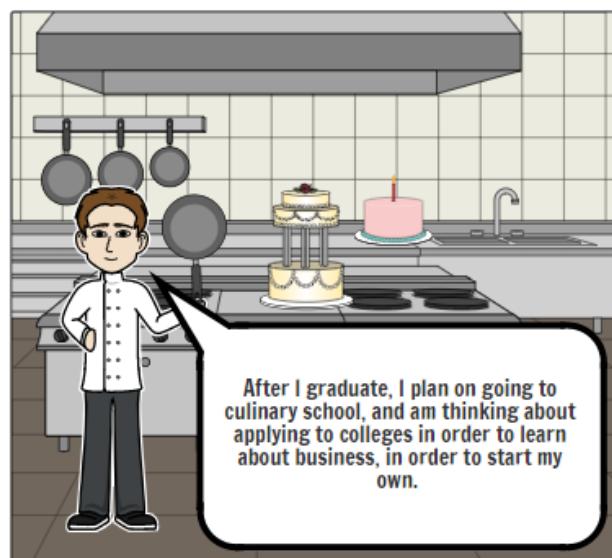
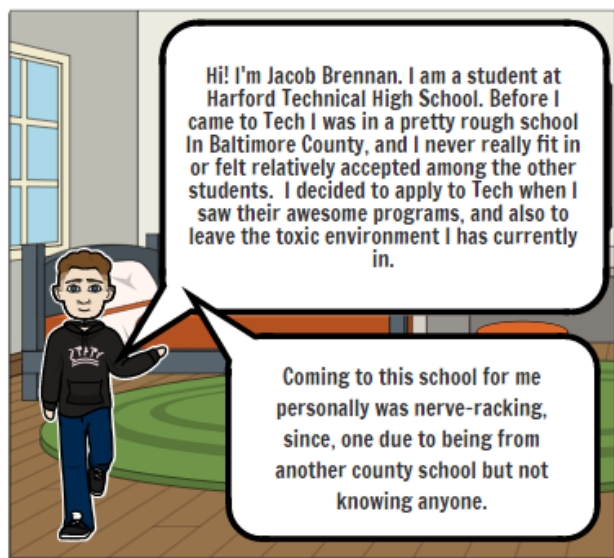
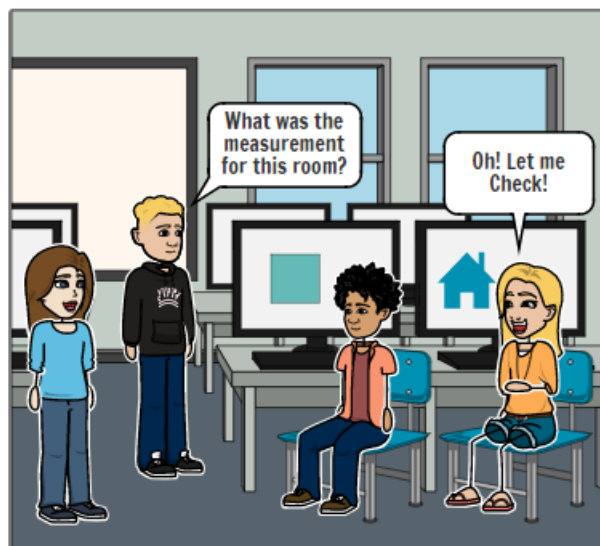
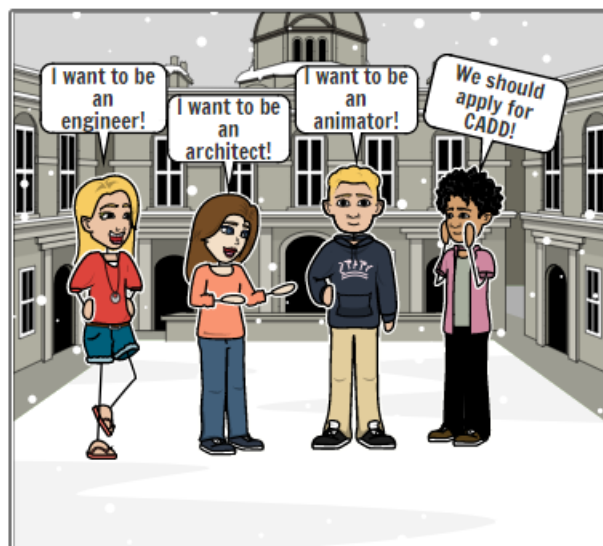


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 12: Cosmetology License Math: Geometry Science: Chemistry ELA: Lexile 1100	N/A	<ul style="list-style-type: none"> Accounting Business 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 18
			Cosmetologist	General Manager		
			Salon Manager	Regional Manager		
				Territory Manager		

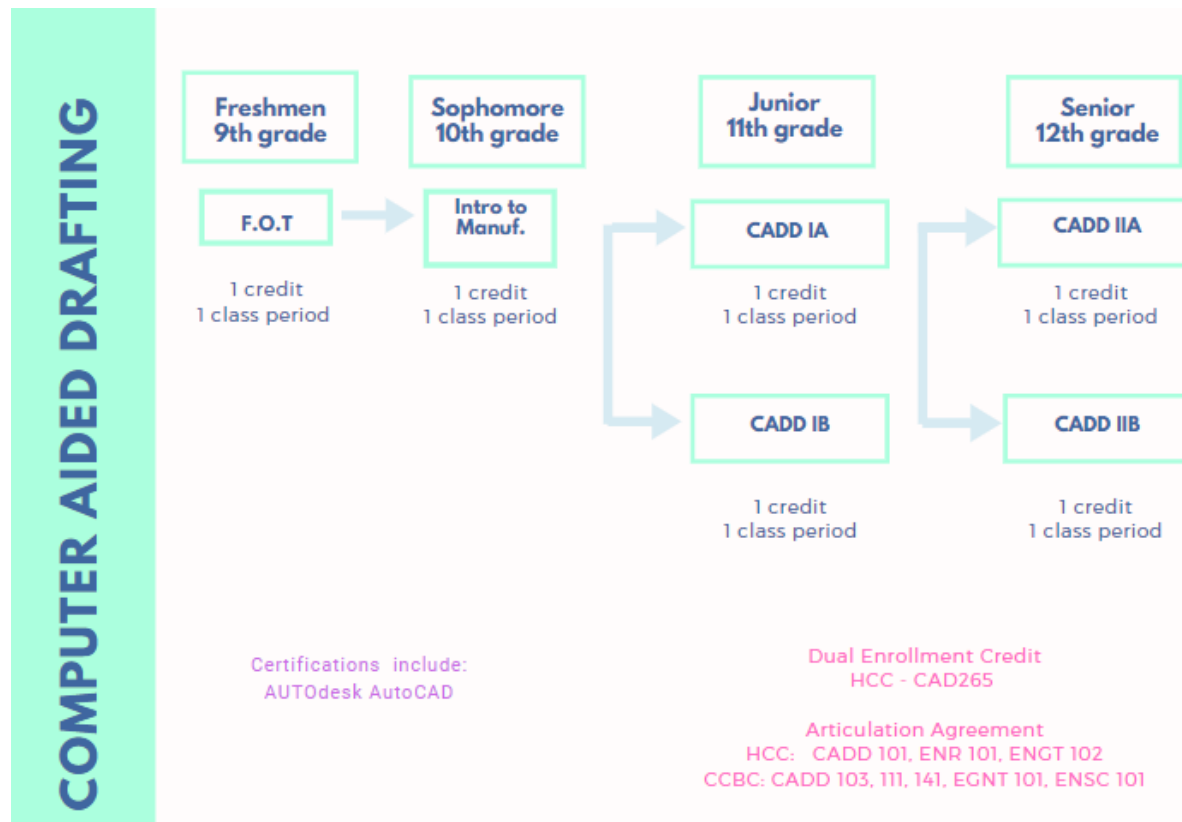


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 12: CNA GNA CCMA Math: Statistics + Science: Bio, A&P ELA: Lexile 1220	HCC: (3 credits) CCBC: (3 credits) Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Chemistry Physics Biology Statistics A & P AP Coursework 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 24
			Nursing Assistant	Registered Nurse	Nurse Practitioner	
			Radiographer	Nutritionist	Physician	
			Lab Technician	Nurse Supervisor	Nurse Director	
			Dietetic Technician			

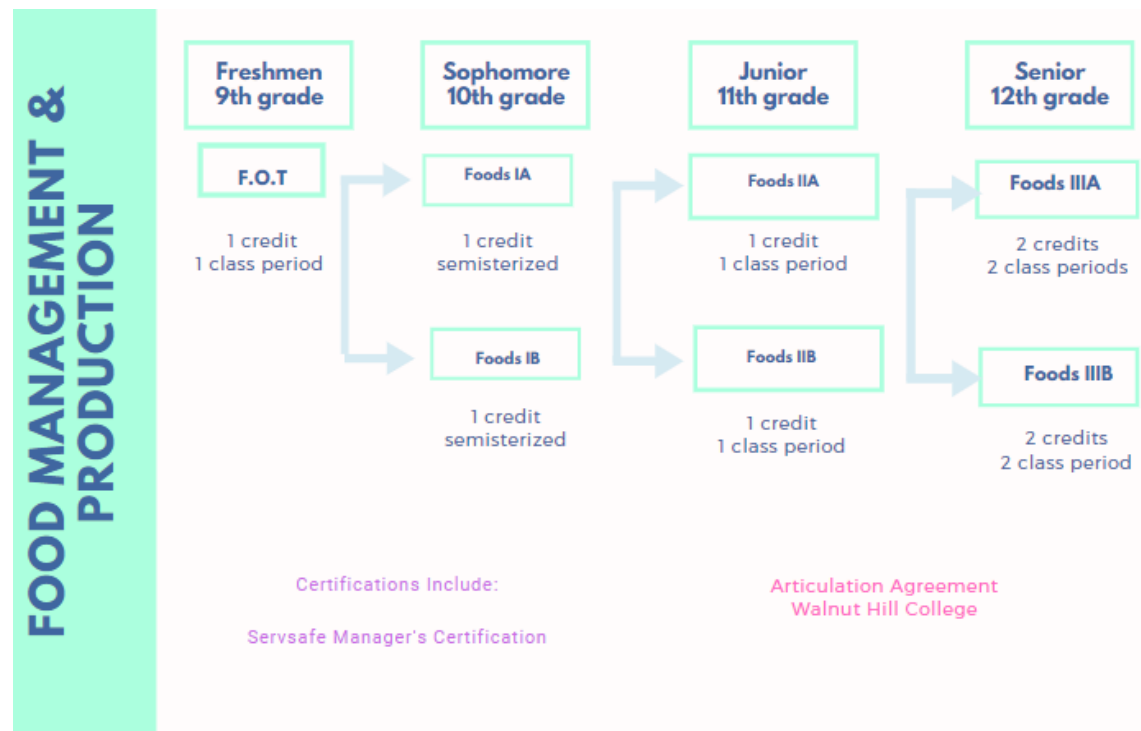




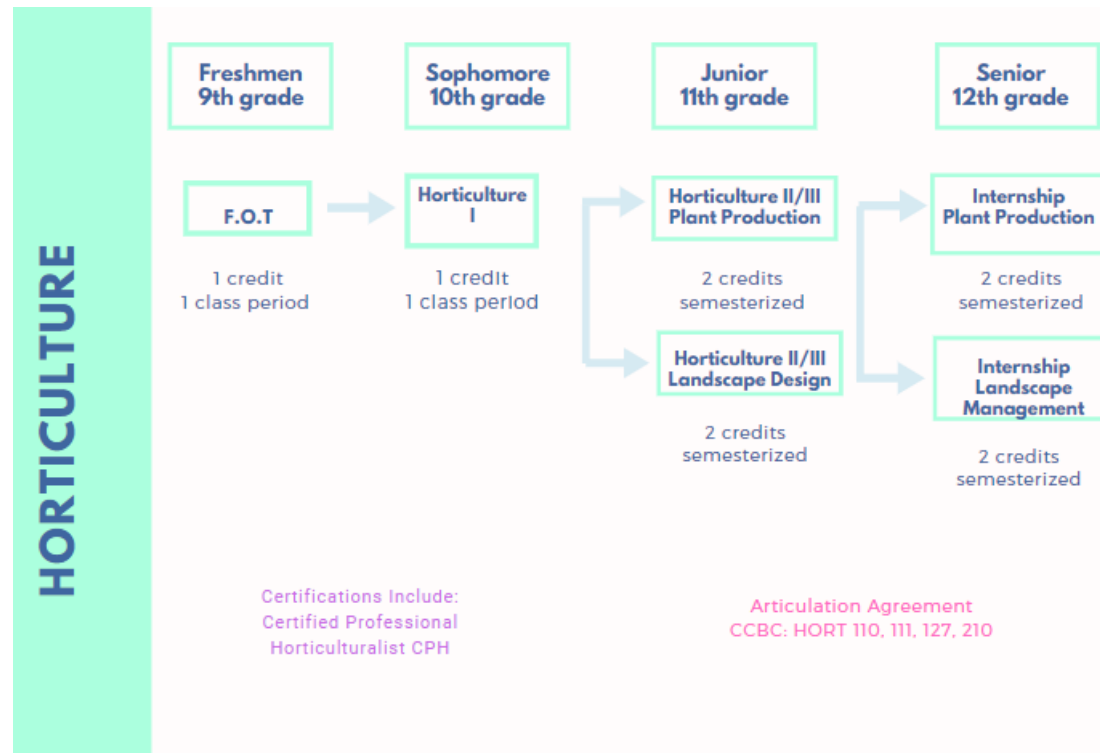
Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 12: AutoDesk AutoCAD Math: Pre-Calc Science: Physics ELA: Lexile 1240	HCC: Dual Credit (3) HCC: (9 credits) CCBC: (15 credits) Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Chemistry Physics Pre-Calculus Statistics Computer Science AP Coursework 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 20
			CAD technician	Engineers (Mechanical, Civil, Systems, Electrical, Industrial, Traffic)	All areas of Engineering	
			Engineering Technician	Surveyor		

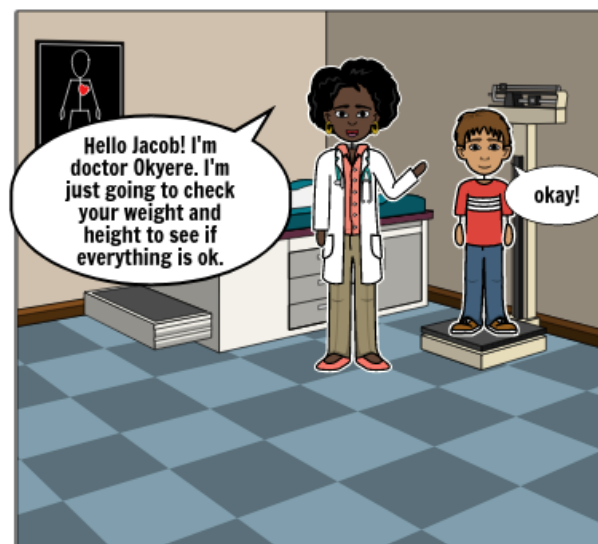
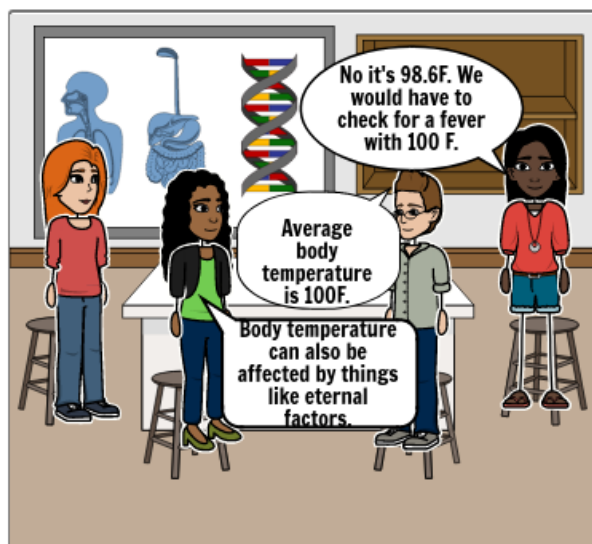
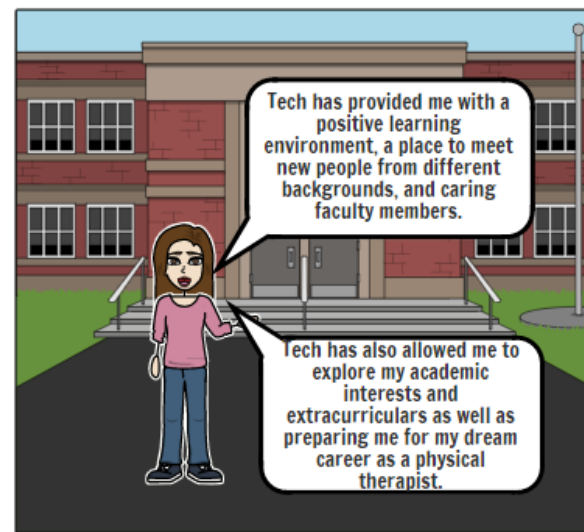
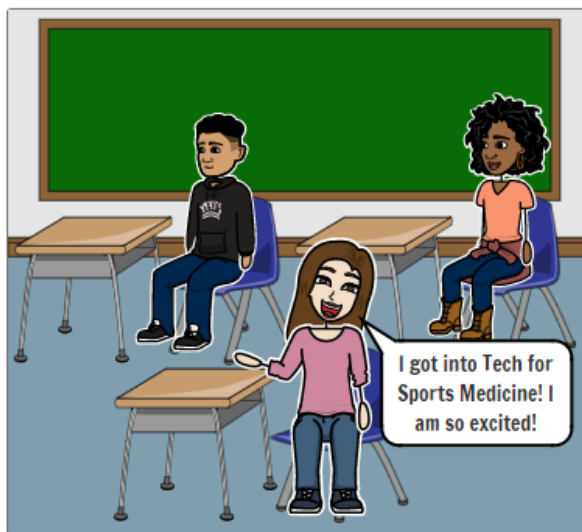


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 12: Pro-State Certification Math: Algebra Science: Chemistry ELA: Lexile 1180	Walnut Hill College Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Accounting Economics Business 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 15
			Restaurant Owner	General Manager		
			Sales Manager	Food Service Manager		
			Chef	Executive Chef		
			Kitchen Manager	Registered Dietitian		
				Nutritionist		

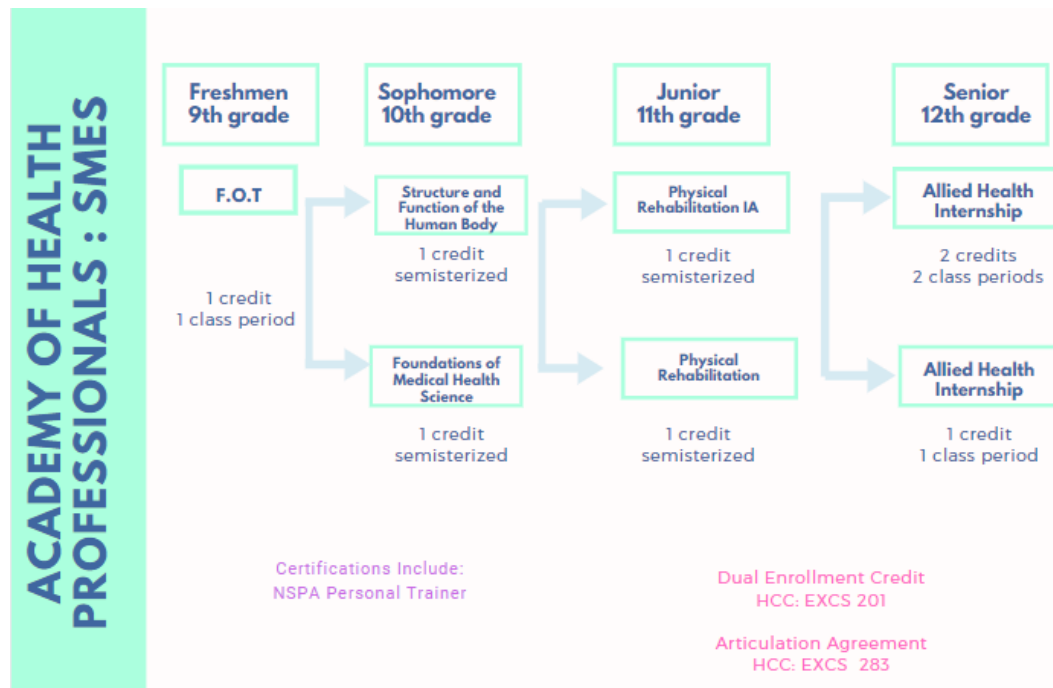


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 10: Certified Professional Horticulturist Certification Math: Algebra Science: Chemistry ELA: Lexile 1110	CCBC : (11 credits) Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Chemistry Physics Accounting Business 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 20
			Field Production	Soil Scientist	Plant Scientist	
			Arborist	Soil Conservation	Plant Pathologist	
			Landscaper	Landscape Designer	Plant Breeder	
			Florist	Landscape Architect	Project Manager	
			CPH			
			Greenhouse Assistant			

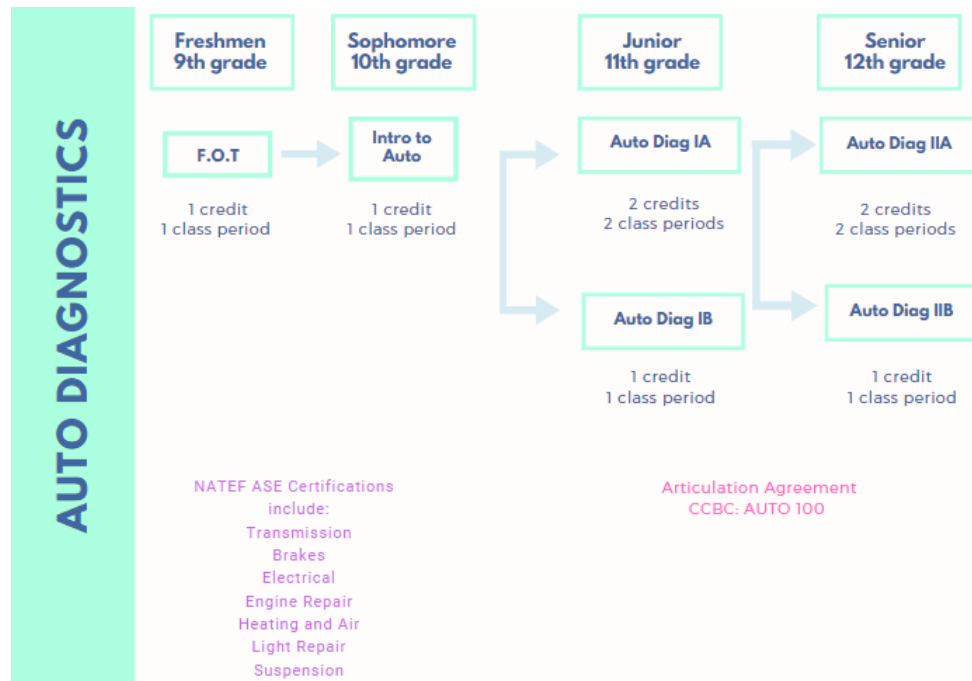


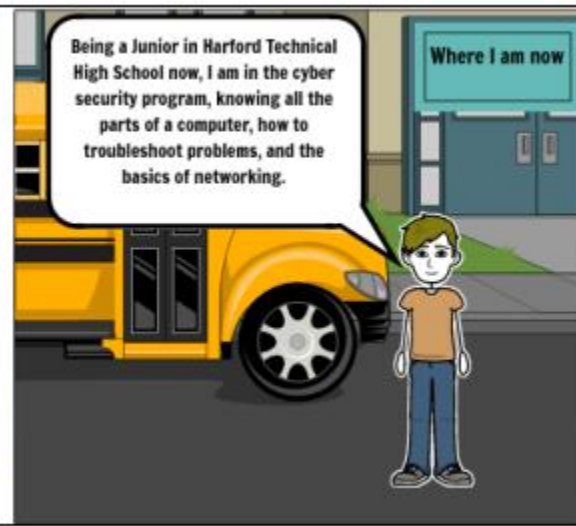
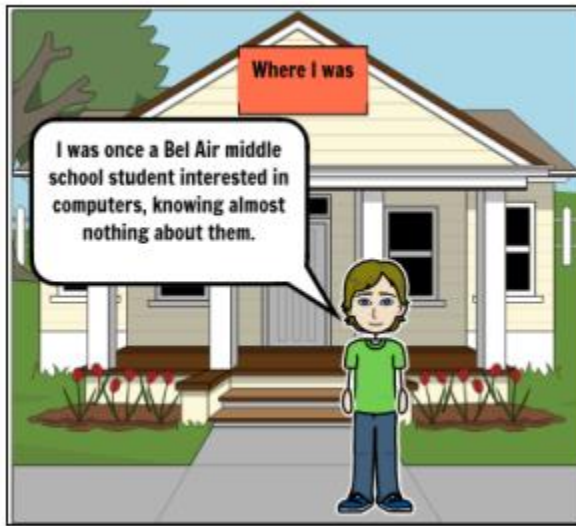


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 12: NSPA Personal Trainer Math: Statistics + Science: Bio, A&P ELA: Lexile 1220	HCC: Dual Credit (3) Stevenson University Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Chemistry Physics Biology Statistics A & P AP Coursework 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 24
			Respiratory Care Therapist	Occupational Therapist	Physical Therapist	
			Medical Assistant	Medical Technologist	Genetic Counselor	
			Dietetic Technician	Dietician	Speech and Language Pathologist	
			Occupational Therapy Assistant	Health Information Manager		
			PT Assistant			

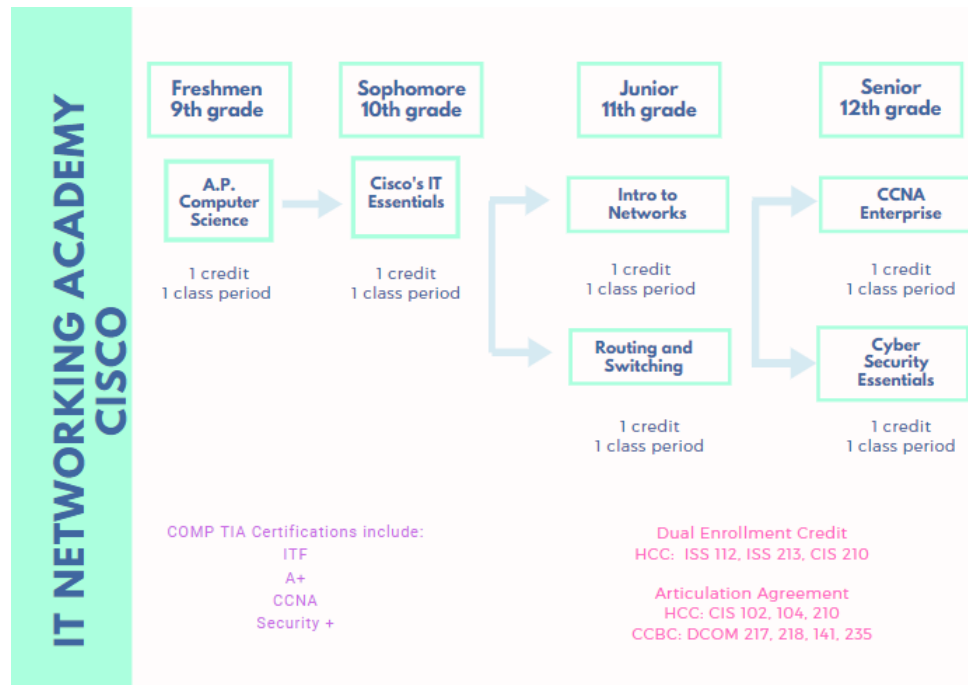


Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 11/12: Automatic Transmission Brakes Electrical Engine Repair Heating and Air Light Repair Suspension Math: Algebra Science: N/A ELA: Lexile 1100	CCBC (5 credits) Students must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Accounting Business 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 15
			Parts Manager	Mechanical, Design, Structural, Civil, Aerospace Engineer	Systems Engineer	
			Automotive Technician	Manufacturing Operations Manager	Quality Engineer	
			Maintenance Manager			
			Railcar Technician			





Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 10/11/12: Comp TIA: ITF A+ CCNA Security + Math: Pre-Calc Science: Physics ELA: Lexile 1270	HCC: Dual Credit (9) CCBC: (12 credits) Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none"> Chemistry Physics Pre-Calculus Statistics Comp Science AP Coursework 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 20
			Database Analyst	Project Manager	Business Analyst	
			PC Support Technician	Database Developer	Operations Manager	
			Network Technician	Information Systems	Network Engineer	
			Computer Technician	Lead Programmer	Mechanical Engineer	
			Network Analyst	Network Administrator	Computer Engineer	
			Information System Administrator	Product Engineer		



Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity
Grade 11/12: Painting & Refinishing Structural Analysis I-Car Aluminum Weld Math: Algebra Science: N/A ELA: Lexile 1100	N/A	<ul style="list-style-type: none"> Accounting Business 	Associates or below	Bachelors	Masters	Minimum: 10 Maximum: 13
			Parts Manager	Mechanical, Design, Structural, Aerospace Engineer	Systems Engineer	
			Collision Repair Technician	Manufacturing Operations Manager	Quality Engineer	
			Maintenance Manager			
			Railcar Technician			



Technical Skills Assessments	Articulations/Dual Credit	High School Course Recommendations	Post-Secondary			Seat Capacity												
Grade 11/12: SMAW GMAW FCAW SAW BZ NCCER Core NCCER Level 1 Math: Geometry Science: N/A ELA: Lexile 1220	HCC: Weld I, Weld II Student must maintain a 3.0 grade point average each quarter.	<ul style="list-style-type: none">AccountingBusiness	<table><tr><th>Associates or below</th><th>Bachelors</th><th>Masters</th></tr><tr><td>Welder</td><td>Production Welder</td><td></td></tr><tr><td>Solderer</td><td>Custom Fabricator</td><td></td></tr><tr><td>Brazer</td><td>Cost Estimator</td><td></td></tr></table>			Associates or below	Bachelors	Masters	Welder	Production Welder		Solderer	Custom Fabricator		Brazer	Cost Estimator		Minimum: 10 Maximum: 13
Associates or below	Bachelors	Masters																
Welder	Production Welder																	
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