



**School District
Career Cluster**

Manufacturing Engineering Technology

HS & Web Address

Minimum HS Graduation Requirements		SUGGESTED COURSE OF STUDY: MIDDLE - HIGH SCHOOL – POSTSECONDARY						
	Grade	English	Math	Science	Social Studies	Additional Required Courses	Career & Technical Courses	Other Required or Elective Courses
Student Success Plans outlining career goals should be utilized through the advisement process.								
Middle School	7	ELA 7	Math 7	Science 7	Social Studies 7		Introduction to Technology Education	Electives
	8	ELA 8	Math 8	Science 8	Social Studies 8		Inventions & Innovations of Technology Education	Electives
Secondary	9	ELA 9	Algebra I	NGSS Aligned Physical/Integrated Science	Civics/Geography	World Language I	Foundations of Technology	All plans of study should meet local and state high school graduation requirements and college entrance requirements.
	10	ELA 10	Algebra II	NGSS Aligned Biology	Economics/Personal Finance	World Language II	Advanced Design Applications	
	11	ELA 11	Geometry	NGSS Aligned Chemistry	US History	Physical Education (≥1 Credit)	Engineering Design	
	12	ELA 12	Pre-Calculus or Statistics	NGSS Aligned Physics	Fin Literacy Adv Economics	Health Education (≥ 0.5 Credit)		
Postsecondary	13	The Department of Education is currently negotiating articulation agreements with Delaware Technical Community College.						All plans of study should meet the students' career goals with regard to required degrees and/or certifications. Required courses will vary by PS institution.
	14							
	15	Continue courses in the area of specialization.						
	16							

Additional Learning Opportunities			
Early Career Opportunities:	Early College Opportunities:	Industry Recognized Certifications/Licenses:	Student Organization:
<input checked="" type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Other: <u>Other Early Career Opportunities</u>	<input type="checkbox"/> Dual Enrollment <input type="checkbox"/> Advanced Placement <input checked="" type="checkbox"/> Articulated Credit <u>Delaware Technical Community College:</u> In Progress <input type="checkbox"/> Pre-Apprenticeship <input type="checkbox"/> Other	<input checked="" type="checkbox"/> <u>Certification/License</u> <input checked="" type="checkbox"/> <u>Certification/License</u>	<input checked="" type="checkbox"/> <u>Technology Student Association</u>

Sample Careers By Educational Level			
Employment Opportunities (Upon Completion of HS Pathway)	Technical Training or Associate Degree	Bachelor's Degree	Master's Degree or Above
	Electrical Equipment Installer/Repairer Industrial Electronic Installer/Repairer/Manager Industrial Machinery Mechanic Industrial Maintenance Electrician Industrial Maintenance Technician/Mechanic Job/Fixture Designer Maintenance Repairer Automated Manufacturing Technician Calibration Technician Electromechanical Equipment Assembler	Quality Engineer Logistical Engineer Design Engineer Electronics Engineer Engineering and Related Technologist Industrial Engineer Labor Relations Manager Manufacturing Engineer Manufacturing Technologist Mechanical Engineer	

Feeder Middle School(s):

Colleges/Universities and Articulated Credit Agreements:

Articulation agreement/Memorandum of Understanding:
 Delaware Technical and Community College

LEA Additional Graduation Requirements: