



School District

Manufacturing Logistics Technician

HS & Web Address

Minimum HS Graduation Requirements		PROGRAM OF STUDY MATRIX TEMPLATE: MIDDLE - HIGH SCHOOL – POSTSECONDARY						CTE Pathway Requirements	
	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		<p>This matrix represents a <i>sample</i> program of study. The LEA's program of study <u>must</u> be reflective of local/state high school graduation requirements and college entrance requirements.</p> <p>This matrix should be reflective of the school's <u>course sequence</u> and requirements. .</p>	
	10	ELA 10	Algebra II	NGSS Aligned Biology	Economics/Personal Finance	World Language II			
	11	ELA 11	Geometry	NGSS Aligned Chemistry	US History	Physical Education (≥1 Credit)	MSS100 - Principles of Manufacturing AND MSS101 - Manu Quality, Safety & Practices		
	12	ELA 12	Pre-Calculus or Statistics	NGSS Aligned Physics		Health Education (≥ 0.5 Credit)	MSS102 - Manu Processes & Production AND MSS103 - Advanced Handling & Logistics		
Postsecondary	13	The Department of Education has negotiated articulation agreements with Delaware Technical Community College's Electromechanical Engineering Technology and Operation Management programs.						All programs 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> The Manufacturing Logistics Technician program of study provides students with work-based learning experiences or Craftsmanship Placements upon successful completion of the MSS100 - Principles of Manufacturing and MSS101 - Manufacturing Quality, Safety, and Practices courses.	<input type="checkbox"/> Dual Enrollment <input type="checkbox"/> Advanced Placement <input checked="" type="checkbox"/> Articulated Credit <u>Delaware Technical Community College:</u> OMT100 – Operation Management - 4 credits OMT240 – Supply Chain Management - 3 credits OR ELM205 - Mechanisms & Design - 3 credits <input type="checkbox"/> Pre-Apprenticeship <input type="checkbox"/> Other: <u>Other Early College Opportunities</u>	<input checked="" type="checkbox"/> Manufacturing Skill Standards Council, Certified Logistics Associate (CLA) <input checked="" type="checkbox"/> Manufacturing Skill Standards Council, Certified Logistics Technician (CLT) <input checked="" type="checkbox"/> American Heart Association; First Aid CPR/AED Certification <input checked="" type="checkbox"/> American Society for Quality ; Lean Green Belt Certification <input checked="" type="checkbox"/> Occupational Safety and Health Administration; 10-Hour Construction Safety Certification <input checked="" type="checkbox"/> Occupational Safety and Health Administration; 3 Hour Safety Refresher Certification <input checked="" type="checkbox"/> Delaware Technical Community College Certification	<input type="checkbox"/> <u>TSA - Technology Student Association</u> OR <input type="checkbox"/> <u>SkillsUSA</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
	Communications, Transportation and Utilities Manager Dispatcher Freight, Stock, and Material Mover Industrial Truck and Tractor Operator Logistician Materials Associate Materials Handler Materials Mover Process Improvement Technician Quality Control Technician Traffic Manager Traffic, Shipping, and Receiving Clerk	Quality Engineer Logistical Engineer Design Engineer Electronics Engineer Engineering and Related Technologist Industrial Engineer Labor Relations Manager Manufacturing Engineer Manufacturing Technologist	

*May require higher education depending on job responsibilities.

Feeder Middle School(s):

Colleges/Universities and Articulated Credit Agreements:

Articulation agreements/Memorandums of Understanding:
 Delaware Technical Community College – OMT100, OMT240, ELM205

LEA Additional Graduation Requirements: