



Logistics and Inventory Control

Career Goal (O*NET Code): Dispatcher (43-5032), Traffic Manager (11-3071), Material Mover (43-5010), Logistician (13-1081).

Cluster Overview: Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

		SUGGESTED COURSEWORK		EXTENDED LEARNING EXPERIENCES		
High School	9th	Core Courses:	English I Algebra I Biology	World Geography Languages other than English I Health/PE or Equivalent	Curricular Experiences: TSA Future Business Leaders of America Business Professional of America Career Learning Experiences: Career Preparation (Paid/Unpaid) Job Shadowing Internship Apprenticeship	Extracurricular Experiences: Destination ImagiNation Service Learning Experiences: Boy Scouts of America Girl Scouts of the USA Community Service Volunteer
		Career-Related Electives:	Technology Systems (Modular Lab Based)** or Energy, Power, and Transportation			
	10th	Core Courses:	English II Geometry Principles of Technology I	World History Languages other than English II Technology Applications		
		Career-Related Electives:	Business Computer Information Systems** or Electricity/Electronics Technology			
11th	Core Courses:	English III Mathematical Models with Applications Physics	United States History Communication Applications PE or Equivalent			
	Career-Related Electives:	Communication Systems or Communication Graphics or Administrative Procedures				
12th	Core Courses:	English IV Algebra II Engineering	Government/Economics Fine Arts			
	Career-Related Electives:	Research Design and Development or Problems and Solutions in Technology or Manufacturing Technology				
Postsecondary	On-the-Job Training	Warehouse Assistant	Inventory Controller	Assistant Industrial Sales Clerk	Professional Associations: American Machine Tool Distributors Association Association for Manufacturing Excellence Minerals, Metals and Materials Society National Association of Manufacturers National Coalition for Advanced Manufacturing Society for Maintenance and Reliability Professionals Society of Plastics Engineers	
	Certificates	OSHA CareerSafe NOTE: These experiences may be completed as part of the high school experience.				
Postsecondary	Associate's Degree	15 Hours Core Curriculum Cluster Foundation Industrial Math (TECM 1X01) OR Technical Algebra and Trigonometry (TECM 1X43) Quality Control (QCTC 1X03) Productions and Operations Management (BMGT 1X31) OR Principles of Management (BMGT 1X03) Teaming (QCTC 1X05) OR Human Relations (HRPO 1X11) Integrated Software Applications I (ITSC 1X09) OR Business Computer Applications (BCIS 1X05) OR Computer Applications (POFI 1X01) OR Introduction to Computer Technology (CPMT 1X03) Introduction to Environmental Safety and Health OR Material Handling (OSHT 1X16) OR Construction Site Safety and Health (OSHT 1X07) POS Specific Courses Blueprint Reading and Sketching (DFTG 1X25) Shop Practices (AERM 1X03) OR Bench Work Layout (MCHN 1X32) Introduction to Business Logistics (LMGT 1X19) Materials Requirement Planning (LMGT 1X49) Information and Project Management (BMGT 1X09) Warehouse and Distribution Center Management (LMGT 1X25) Management of Change (BMGT 2X11) Leadership (BMGT 2X09)			Career Options: Millwright Production Associate	Licenses, Credentials & Certifications: ASQ.Cert Technician Auditor Six Sigma (Black belt, Green belt) First Responder APICS APEX
	Bachelor's Degree	Industry and Technology	Technology Management	Engineering Technology	Career Options: Automation Technician Manager Supervisor	
	Graduate Degree	Management of Technology	Engineering Technology	Industrial Safety	Career Options: Production Manager Purchasing Agent Labor Relation Manager	

* May substitute for the required credit for Physical Education
 ** Satisfies the required credit for Technology Applications
 *** May substitute for the required credit for Health Education

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses, if possible.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2007. All plans should meet high school graduation requirements as well as college entrance requirements. Students may select other elective courses for personal enrichment purposes.