



Transportation, Distribution & Logistics Career Cluster

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
Facility & Mobile Equipment Maintenance	Automotive Service Technician • Collision Repair Technician • Diesel Engine Specialist • Service Manager • Electrical/Electronic Technician • Industrial Electrician
Health, Safety & Environmental Management	Industrial Health & Safety Engineer • Safety Analyst • Environmental Scientist • First Responder • Environmental Compliance Specialist • Risk Manager
Logistics Planning & Management Services	Logistic Manager • Logistics Analyst • Logistician • Logistic Consultant • International Logistics Specialists • Logistic Engineer
Sales & Service	Marketing Manager • Sales Representative • Cargo and Freight Agent • Customer Service Representative • Customer Order and Billing Clerk • Sales Manager
Transportation Operations	Pilot • Flight Engineer • Truck Driver • Bus Driver • Dispatchers • Air Traffic Controller • Transportation Managers • Locomotive Engineer • Flight Attendant
Transportation Systems/Infrastructure Planning, Management & Regulation	Aviation Inspector • Logistics System Manager • Surveying and Mapping Technician • Motor Vehicle Inspector • Transportation Engineer • Freight Inspector
Warehousing & Distribution Center Operations	Warehouse Manager • Shipping & Receiving Clerk • Production/Planning/Expediting Clerk • Laborer & Material Handler • Industrial and Packaging Engineers

HIGH SCHOOL COURSE REQUIREMENTS

English	Math	Science	Social Studies	Physical Education
Four units required to graduate; including literature, composition, and speech.	Three units required to graduate	Three units required to graduate.	Three units required to graduate.	One unit required to graduate.
Choices may include:	Choices may include:	Required Units:	Required Units:	Required Units:
<input type="checkbox"/> English 9 05071	<input type="checkbox"/> Algebra I 11031	<input type="checkbox"/> Physical Science 13030	<input type="checkbox"/> U.S. History 15085	<input type="checkbox"/> Physical Education 1 unit 08030
<input type="checkbox"/> English 10 05072	<input type="checkbox"/> Geometry 11120	<input type="checkbox"/> Biology 13020	<input type="checkbox"/> American Government ½ unit AND 15111	OR
<input type="checkbox"/> English 11 05073	<input type="checkbox"/> Advanced Algebra 11032	<input type="checkbox"/> One additional unit of Science	<input type="checkbox"/> Economics ½ unit 15060	<input type="checkbox"/> Physical Education ½ unit AND 08030
<input type="checkbox"/> English 12 05074		OR	OR	<input type="checkbox"/> Health ½ unit 18010
		<input type="checkbox"/> Biology 13020	<input type="checkbox"/> Problems of Democracy 1 unit 15201	
		<input type="checkbox"/> Chemistry 13031	Additional units may include:	
		<input type="checkbox"/> Physics 13042	<input type="checkbox"/> Civics	
			<input type="checkbox"/> Geography	
			<input type="checkbox"/> Psychology	
			<input type="checkbox"/> World History	

Career & Technical Education Electives		Extended Learning Opportunities	
Three units of foreign or Native American language, fine arts, or career and technical education are required to graduate.			
Trade, Industry & Technical Education	Technology & Engineering Education	School-Based:	Community Based:
<input type="checkbox"/> Aviation Technology I 17812	<input type="checkbox"/> Energy & Transportation Technology 10331	<input type="checkbox"/> SkillsUSA	<input type="checkbox"/> Mentorship
<input type="checkbox"/> Aviation Technology II 17813	<input type="checkbox"/> Communication Technology 10251	<input type="checkbox"/> TSA	<input type="checkbox"/> Volunteer
<input type="checkbox"/> Auto Tech I 17032		<input type="checkbox"/> FCCLA	<input type="checkbox"/> Part-time Employment
<input type="checkbox"/> Auto Tech II 17037	Business Education	<input type="checkbox"/> DECA	<input type="checkbox"/> Service Learning Project
<input type="checkbox"/> Auto General Service Tech I 17038	<input type="checkbox"/> Communication Technologies 14028	<input type="checkbox"/> FFA	<input type="checkbox"/> Job Shadow
<input type="checkbox"/> Auto General Service Tech II 17039	<input type="checkbox"/> Business Communication 14060	<input type="checkbox"/> FBLA	<input type="checkbox"/> Internship
<input type="checkbox"/> Electrical Technology 17125	<input type="checkbox"/> Operations Management 14234	<input type="checkbox"/> Career Research	
<input type="checkbox"/> Diesel Technology 17040		<input type="checkbox"/> Cooperative Work Experience	
<input type="checkbox"/> Electronics Technology I 17150	Information Technology Education		
<input type="checkbox"/> Electronics Technology II 17151	<input type="checkbox"/> Intro to IT 27101		
<input type="checkbox"/> Electronics Technology III 17152	<input type="checkbox"/> IT Essentials 2 27220		
<input type="checkbox"/> Welding Technology I 17236	<input type="checkbox"/> Geographic Info Systems (GIS) 27400		
<input type="checkbox"/> Welding Technology II 17237			
<input type="checkbox"/> Parts & Merchandise Management 17035	Marketing Education		
<input type="checkbox"/> Auto Collision I 17030	<input type="checkbox"/> Principles of Marketing 04080		
<input type="checkbox"/> Auto Collision II 17031	<input type="checkbox"/> Marketing I 04210		
	<input type="checkbox"/> Management 04223		

North Dakota Transportation, Distribution & Logistics Related Postsecondary Programs

Pathway	Associate's Degree or Less	Bachelor's Degree	Master's Degree or More
Facility & Mobile Equipment Maintenance	<input type="checkbox"/> Auto Body Repair and Refinishing Technology (NDSCS) <input type="checkbox"/> Auto Collision Technology (BSC) <input type="checkbox"/> Auto Technology (BSC, BJCC, CCCC, LRSC, NDSCS, UTTC) <input type="checkbox"/> Case IH Technology (NDSCS) <input type="checkbox"/> Caterpillar Dealer Service Technician (NDSCS) <input type="checkbox"/> Electronics Technology (BSC) <input type="checkbox"/> Electronics/Telecommunications Technology (BSC) <input type="checkbox"/> General Diesel Technology (NDSCS) <input type="checkbox"/> Geographic Information Systems Technology (BSC) <input type="checkbox"/> Komatsu Technology (NDSCS) <input type="checkbox"/> Power Sports Technology (NDSCS) <input type="checkbox"/> Transportation Technology (WSC)		
Health, Safety & Environmental Management	<input type="checkbox"/> Environmental Public Health (TMCC)	<input type="checkbox"/> Environmental Design (NDSU) <input type="checkbox"/> Environmental Health (DSU)	
Logistics Planning & Management Services	<input type="checkbox"/> Information Management (NHSC) <input type="checkbox"/> Information Processing Specialist (BSC) <input type="checkbox"/> Information and Communications Technology (NDSCS) <input type="checkbox"/> Information Technology (DCB, LRSC, WSC) <input type="checkbox"/> Management Information Systems transfer (NDSCS)	<input type="checkbox"/> Business Process Integration Management (VCSU) <input type="checkbox"/> Business Management (UM) <input type="checkbox"/> Information Technology Management (UM) <input type="checkbox"/> Management Information Systems (MiSU, NDSU, RC) <input type="checkbox"/> Operations/Supply Chain & Logistics Mgmt. (UND)	<input type="checkbox"/> Project Management (UM) <input type="checkbox"/> Transportation and Logistics (NDSU) <input type="checkbox"/> Transportation and Urban Systems (NDSU)
Sales & Service	<input type="checkbox"/> Business Management (NDSCS, WSC) <input type="checkbox"/> Marketing & Management transfer (DCB)	<input type="checkbox"/> Airport Management (UND) <input type="checkbox"/> Marketing (MiSU, NDSU, RC, UM, UND)	<input type="checkbox"/> Merchandising (NDSU)
Transportation Operations	<input type="checkbox"/> Airline Transport Pilot (FFS) <input type="checkbox"/> CDL/Heavy Equipment (CCCC, SBC, TMCC, UTTC) <input type="checkbox"/> Commercial Pilot (EATC, FFS, GFKFS) <input type="checkbox"/> Heavy Equipment Operator (UTTC) <input type="checkbox"/> Instrumental/Multi-Engine Rating (EATC, FFS, GFKFS) <input type="checkbox"/> Private Pilot/Drone Training (EATC, FFS, GFKFS) <input type="checkbox"/> Recreational/Sport Pilot (EATC)	<input type="checkbox"/> Air Traffic Management(UND) <input type="checkbox"/> Commercial Aviation (UND) <input type="checkbox"/> Aviation Management (UND) <input type="checkbox"/> Aviation Technology Management (UND) <input type="checkbox"/> Flight Education (UND) <input type="checkbox"/> Unmanned Aircraft Systems Operations (UND)	<input type="checkbox"/> Aerospace Sciences (UND) <input type="checkbox"/> Aviation (UND)
Transportation Systems/Infrastructure Planning, Management & Regulation		<input type="checkbox"/> Airport Management (UND) <input type="checkbox"/> Aviation Technology Management (UND) <input type="checkbox"/> Operations/Supply Chain & Logistics Mgmt. (UND) <input type="checkbox"/> Public Administration (UND)	<input type="checkbox"/> Transportation and Logistics (NDSU) <input type="checkbox"/> Transportation and Urban Systems (NDSU)
Warehousing & Distribution Center Operations	<input type="checkbox"/> Management (BSC) <input type="checkbox"/> Management/Supervision (NDSCS)	<input type="checkbox"/> Business Process Integration Management (VCSU)	

North Dakota Postsecondary Institutions Offering Transportation, Distribution & Logistics Related Programs

BSC Bismarck State College www.bismarckstate.edu	NDSCS ND State College of Science www.ndscs.edu
BJCC Burdick Job Corps Center http://quentinburdick.jobcorps.gov	NDSU ND State University www.ndsu.edu
CCCC Cankdeska Cikana Community College www.littlehoop.edu	NHSC Nueta Hidatsa Sahnish College http://nhsc.edu
DCB Dakota College at Bottineau www.dakotacollege.edu	RC Rasmussen College www.rasmussen.edu
DSU Dickinson State University www.dickinsonstate.edu	SBC Sitting Bull College www.sittingbull.edu
EATC Executive Air Taxi Corporation www.executive-air.com	TMCC Turtle Mountain Community College www.tm.edu
FFS Fargo Flight School www.fargojet.com/school	UTTC United Tribes Technical College www.uttc.edu
GFKFS GFK Flight Support www.flygfk.com	UM University of Mary www.umary.edu
LRSC Lake Region State College www.lrsc.edu	UND University of North Dakota www.und.edu
MAC Minot Aero Center http://minotaerocenter.com	VCSU Valley City State University www.vcsu.edu
MiSU Minot State University www.minotstate.edu	WSC Williston State College www.willistonstate.edu