



# Transportation, Distribution & Logistics Career Cluster

Pathway	OCCUPATIONS RELATING TO THIS CAREER CLUSTER
<b>Facility &amp; Mobile Equipment Maintenance</b>	Automotive Service Technician • Collision Repair Technician • Diesel Engine Specialist • Service Manager • Electrical/Electronic Technician • Industrial Electrician
<b>Health, Safety &amp; Environmental Management</b>	Industrial Health & Safety Engineer • Safety Analyst • Environmental Scientist • First Responder • Environmental Compliance Specialist • Risk Manager
<b>Logistics Planning &amp; Management Services</b>	Logistic Manager • Logistics Analyst • Logistician • Logistic Consultant • International Logistics Specialists • Logistic Engineer
<b>Sales &amp; Service</b>	Marketing Manager • Sales Representative • Cargo and Freight Agent • Customer Service Representative • Customer Order and Billing Clerk • Sales Manager
<b>Transportation Operations</b>	Pilot • Flight Engineer • Truck Driver • Bus Driver • Dispatchers • Air Traffic Controller • Transportation Managers • Locomotive Engineer • Flight Attendant
<b>Transportation Systems/Infrastructure Planning, Management &amp; Regulation</b>	Aviation Inspector • Logistics System Manager • Surveying and Mapping Technician • Motor Vehicle Inspector • Transportation Engineer • Freight Inspector
<b>Warehousing &amp; Distribution Center Operations</b>	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.
<b>Choices may include:</b>	<b>Choices may include:</b>	<b>Required Units:</b>	<b>Required Units:</b>	<b>Required Units:</b>
<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 <b>AND</b> 15111	<b>OR</b>
<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 <b>AND</b> 08030
<input type="checkbox"/> English 12 05074		<b>OR</b>	<b>OR</b>	<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	<b>Additional units may include:</b>	
		<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.		
<b>Trade, Industry &amp; Technical Education</b>	<input type="checkbox"/> Recreational Small Engine Technology I 17310	<b>School-Based:</b>
<input type="checkbox"/> Aviation Technology I 17812	<input type="checkbox"/> Recreational Small Engine Technology II 17311	<input type="checkbox"/> SkillsUSA
<input type="checkbox"/> Aviation Technology II 17813	<input type="checkbox"/> Commercial Driver License 17045	<input type="checkbox"/> TSA
<input type="checkbox"/> Auto Tech I 17032		<input type="checkbox"/> FCCLA
<input type="checkbox"/> Auto Tech II 17037	<b>Business Education</b>	<input type="checkbox"/> DECA
<input type="checkbox"/> Auto General Service Tech I 17038	<input type="checkbox"/> Communication Technologies 14028	<input type="checkbox"/> FFA
<input type="checkbox"/> Auto General Service Tech II 17039	<input type="checkbox"/> Business Communication 14060	<input type="checkbox"/> FBLA
<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	<b>Information Technology Education</b>	
<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	<b>Technology &amp; Engineering Education</b>	
<input type="checkbox"/> Auto Collision Tech I 17030	<input type="checkbox"/> Energy & Transportation Technology 10331	
<input type="checkbox"/> Auto Collision Tech II 17031	<input type="checkbox"/> Communication Technology 10251	
<input type="checkbox"/> Diesel Tech 17040		

### North Dakota Transportation, Distribution & Logistics Related Postsecondary Programs

Pathway	Certificate or Associate's Degree	Bachelor's Degree	Master's Degree or More
<b>Facility &amp; Mobile Equipment Maintenance</b>	<input type="checkbox"/> Auto Body Repair and Refinishing Technology (NDSCS) <input type="checkbox"/> Auto Collision Technology (BSC) <input type="checkbox"/> Auto Technology (BSC, BJCC, 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"/> John Deere Technology (NDSCS) <input type="checkbox"/> Komatsu Technology (NDSCS) <input type="checkbox"/> Power Sports Technology (NDSCS) <input type="checkbox"/> Transportation Technology (WSC) <input type="checkbox"/> Unmanned Aircraft Systems (NDSCS)		
<b>Health, Safety &amp; Environmental Management</b>		<input type="checkbox"/> Environmental Design (NDSU) <input type="checkbox"/> Environmental Health (DSU)	
<b>Logistics Planning &amp; Management Services</b>	<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"/> Information Technology Management (UM) <input type="checkbox"/> Management Information Systems (MiSU, NDSU) <input type="checkbox"/> Operations/Supply Chain & Logistics Mgmt. (RC, UND)	<input type="checkbox"/> Project Management (UM) <input type="checkbox"/> Public Administration (UM) <input type="checkbox"/> Transportation and Urban Systems (NDSU)
<b>Sales &amp; Service</b>	<input type="checkbox"/> Business Management (NDSCS, RC, WSC) <input type="checkbox"/> Marketing & Management transfer (DCB)	<input type="checkbox"/> Airport Management (UND) <input type="checkbox"/> Marketing (MiSU, NDSU, RC, UM, UND)	
<b>Transportation Operations</b>	<input type="checkbox"/> Airline Transport Pilot (FFS) <input type="checkbox"/> Commercial Pilot (EATC, FFS, GFKFS) <input type="checkbox"/> Commercial Vehicle Operations (TMCC) <input type="checkbox"/> CDL/Heavy Equipment (CCCC, SBC, TMCC, 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 Studies (UND) <input type="checkbox"/> Unmanned Aircraft System Operations (UND)	<input type="checkbox"/> Aerospace Sciences (UND) <input type="checkbox"/> Aviation (UND) <input type="checkbox"/> Unmanned Aircraft Systems Engineering (UND)
<b>Transportation Systems/Infrastructure Planning, Management &amp; Regulation</b>		<input type="checkbox"/> Airport Management (UND)	<input type="checkbox"/> Public Administration (UND) <input type="checkbox"/> Transportation and Urban Systems (NDSU)
<b>Warehousing &amp; Distribution Center Operations</b>	<input type="checkbox"/> Management (BSC) <input type="checkbox"/> Business Management (NDSCS)	<input type="checkbox"/> Business Process Integration Management (VCSU)	

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

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