

TRANSPORTATION, DISTRIBUTION & LOGISTICS

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Occupational Title/Description	Holland Code Related Occupations	National	ND Outlook 2012-2022			ND Earnings Outlook	Occupational Trait(s)
		Number Employed	Number Employed	Total Openings	Long-Term Growth Outlook	Annual Entry- Level Wages Annual Average Wages	
Postsecondary Programs – High School Diploma, Certificate, or Associate’s Degree							
Aerospace Engineering and Operations Technicians Operate, install, calibrate, and maintain integrated computer/communications systems, consoles, simulators, and other data acquisition, test, and measurement instruments and equipment, which are used to launch, track, position, and evaluate air and space vehicles. May record and interpret test data.	Realistic Altitude Chamber Technician; Wind Tunnel Technician	9,900	37	13	Avg to Near Avg Growth	\$41,430 \$58,390	
Aircraft Mechanics and Service Technicians Diagnose, adjust, repair, or overhaul aircraft engines and assemblies, such as hydraulic and pneumatic systems. Includes helicopter and aircraft engine specialists.	Realistic Aircraft Engine Specialist; Flight Test Mechanic	121,700	221	154	Exceptional	\$36,260 \$57,800	
Automotive Service Technicians and Mechanics Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.	Realistic Transmission Specialist; Brake Technician; Hybrid Car Mechanic	701,100	2,842	934	Below Avg Growth	\$27,990 \$42,570	
Bus and Truck Mechanics/Diesel Engine Specialists Diagnose, adjust, repair, or overhaul buses and trucks, or maintain and repair any type of diesel engines. Includes mechanics working primarily with automobile or marine diesel engines.	Realistic Biodiesel Engine Specialist; Tractor Trailer Mechanic	250,800	2,089	556	Below Avg Growth	\$37,620 \$51,620	
Cargo and Freight Agents Expedite and route movement of incoming and outgoing cargo and freight shipments in airline, train, and trucking terminals, and shipping docks. Prepare and examine bills of lading to determine shipping charges and tariffs.	Conventional Cargo Router; Freight Shipping Agent	79,500	211	164	Exceptional	\$31,630 \$39,610	
Commercial Pilots Pilot and navigate the flight of fixed-winged aircraft on nonscheduled air carrier routes, or helicopters. Requires Commercial Pilot certificate. Includes charter pilots with similar certification, and air ambulance and air tour pilots.	Realistic Aerial Crop Duster; Helicopter Pilot	37,600	280	133	High Growth	\$36,150 \$59,720	
Crane and Tower Operators Operate mechanical boom and cable or tower and cable equipment to lift and move materials, machines, or products in many directions.	Realistic Boom Crane Operator; Coal Tower Operator	43,800	331	216	Exceptional	\$34,160 \$52,700	

AUSTIN OLIN
 Fargo North High School

Cluster: Transportation, Distribution & Logistics
Pathway: Facility & Mobile Equipment Maintenance



Austin Olin dreamed of being an Air Force pilot, but an injury during high school resulted in a change to his future career plans. His Fargo North High School Construction Technology class scheduled a tour at North Dakota State College of Science in Wahpeton. While the tour was intended to focus on the Construction Technology Program, the college gave an overview of all programs, including the Powersports Technology Program. Learning that such a program was available provided Austin with a new career goal.

SkillsUSA was very important during his high school years. Austin enjoyed competing and meeting people with the same interests and skills. During high school, he started with the Cabinetmaking event at the state and national levels. While in college he competed in the Power Equipment Technology and the Motorcycle Service Technology events. He earned first place in the Motorcycle event at both the North Dakota and National contests.

SkillsUSA also gave Austin the opportunity to develop his leadership skills as a state officer, and a wide range of experiences have added value to his resume. He continues to be involved in the state organization as the Motorcycle Service Technology Technical Chair. Austin hopes to go to the national conference and help with alumni activities. He enjoys spending time with the highly skilled technicians who appreciate the benefits of SkillsUSA.

As part of earning his Associate of Applied Science (A.A.S.) degree at the North Dakota State College of Science, Austin completed a Cooperative Education class at Highway Motorsports in Hankinson. The shop specializes in Polaris and he learned a lot about working on recreational powersport equipment. He is currently working as a service technician at Legendary Motorsports in Fargo. A typical day includes working on motorcycles, four wheelers, side-by-side vehicles and jet skis. Understanding that a small mistake can cause a lot of damage is one of the challenges in his work. The completion of major projects where he can see the results or hear an engine running more smoothly gives him great satisfaction.

When asked about planning a career, he suggests the following, "Choose something that you like and would be willing to do every day." Ten years from now, Austin hopes to have his own shop to work on motorcycles and snowmobiles.