



Transportation, Distribution & Logistics Career Cluster

PLAN OF STUDY

<http://pages.minot.k12.nd.us/votech/cte.htm>

<http://www.careerclusters.org>

Name _____

School _____

Date _____



SAMPLE OCCUPATIONS RELATING TO THIS CAREER CLUSTER	
Pathway	Occupations
FACILITY & MOBILE EQUIPMENT MAINTENANCE	Automotive Technician • Collision Repair Technician • Diesel Technician • Recreational Engines Technician • Marine Engine Technician
HEALTH, SAFETY & ENVIRONMENTAL MANAGEMENT	Industrial Health & Safety Engineer • Safety Analyst • Environmental Scientist
LOGISTICS PLANNING & MANAGEMENT SERVICES	Logistic Engineers • Logistics Analysts
SALES & SERVICE	Marketing Manager • Sales Representative • Travel Agent • Customer Service Representative • Customer Service Manager • Cashier • Clerk
TRANSPORTATION OPERATIONS	Pilot • Flight Engineer • Truck Driver • Bus Driver • Dispatchers • Air Traffic Controllers
TRANSPORTATION SYSTEMS/INFRASTRUCTURE PLANNING, MANAGEMENT & REGULATION	Urban Planner • Civil Engineer • Air Traffic Controllers • Freight Inspectors • Motor Vehicle Inspector • State/Federal Regulatory Inspectors
WAREHOUSING & DISTRIBUTION CENTER OPERATIONS	Warehouse Manager • Shipping & Receiving Clerk • Production/Planning Clerks • Laborers & Material Handlers

MINOT HIGH SCHOOL - SUGGESTED COURSE OF HIGH SCHOOL STUDY						
It is suggested that students consider appropriate dual credit, articulation, or advanced placement opportunities for postsecondary credit.						
Language Arts (four credits required to graduate)	Math (three credits required to graduate)	Science (three credits required to graduate)	Social Studies (three credits required to graduate)	Physical Education (two credits required to graduate)	Minot Public Schools Career & Technical Education and Other Electives (a total of three credits must be earned in foreign language, fine arts, or career and technical education – required to graduate)	Additional Suggested Learning Opportunities
<input type="checkbox"/> Grade 9 Lang Arts* <input type="checkbox"/> Grade 10 Lang Arts* <input type="checkbox"/> Lit of America* <input type="checkbox"/> Composition* <input type="checkbox"/> Speech or Debate* <input type="checkbox"/> Read Improvement <input type="checkbox"/> Basic Writing <input type="checkbox"/> Creative Writing <input type="checkbox"/> Humanities <input type="checkbox"/> Media Literacy <input type="checkbox"/> AP English <input type="checkbox"/> College Composition (D) <input type="checkbox"/> College Speech (D)	<input type="checkbox"/> Intro to Algebra <input type="checkbox"/> Algebra* <input type="checkbox"/> Geometry <input type="checkbox"/> Advanced Algebra <input type="checkbox"/> Consumer Math <input type="checkbox"/> Advanced Math <input type="checkbox"/> Pre-Calculus (D) <input type="checkbox"/> AP Calculus Prep <input type="checkbox"/> AP Calculus <input type="checkbox"/> College Algebra (D) <input type="checkbox"/> Probability & Statistics (D)	<input type="checkbox"/> Physical Science* <input type="checkbox"/> Biology* <input type="checkbox"/> Physics <input type="checkbox"/> Chemistry <input type="checkbox"/> Geology <input type="checkbox"/> Environmental Science	<input type="checkbox"/> World History* <input type="checkbox"/> U.S. History* <input type="checkbox"/> American Government* <input type="checkbox"/> Sociology <input type="checkbox"/> Economics* <input type="checkbox"/> Criminal Law	<input type="checkbox"/> Physical Education <input type="checkbox"/> Health *Required Courses (D) – Dual Credit 22 Credits are Required to graduate from Minot High School	<input type="checkbox"/> Energy & Transportation <input type="checkbox"/> Advanced Energy & Transportation <input type="checkbox"/> Agricultural Engines and General Mechanics <input type="checkbox"/> Auto Technology I & II <input type="checkbox"/> Auto Collision and Repair I & II <input type="checkbox"/> Agricultural Welding <input type="checkbox"/> Welding I & II <input type="checkbox"/> How Stuff Works <input type="checkbox"/> Invent It <input type="checkbox"/> Engineering Technology <input type="checkbox"/> Skills for Living <input type="checkbox"/> Introduction to Computer Applications <input type="checkbox"/> World of Work <input type="checkbox"/> Foreign Language <input type="checkbox"/> Aerospace Science I, II, III & IV (JROTC)	School-Based: <input type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project Community-Based: <input type="checkbox"/> Mentorship <input type="checkbox"/> Volunteer <input type="checkbox"/> Part-time Employment
For a complete listing of course offerings/electives at Minot High School, go to our Registration Guide at: http://pages.minot.k12.nd.us/votech/File/image/RegGuide.pdf						

NORTH DAKOTA APPRENTICESHIP OPPORTUNITIES AND POSTSECONDARY PROGRAMS RELATED TO THIS CAREER CLUSTER				
Pathway	Apprenticeship Opportunities	Associate Degree or Less	Bachelors Degree	Masters Degree or More
FACILITY & MOBILE EQUIPMENT MAINTENANCE	<input type="checkbox"/> Automobile Body Repairer <input type="checkbox"/> Refrigeration Mechanic <input type="checkbox"/> Electronics Mechanic	<input type="checkbox"/> Automotive Technology (BJCC, BSC, CCCC, LRSC, NDSCS, UTTC, WSC) <input type="checkbox"/> Auto Body Repair & Refinishing Technology (BSC, NDSCS) <input type="checkbox"/> Automotive Alignment and Brake Technician (NDSCS BSC) <input type="checkbox"/> Automotive Engine Technician (NDSCS) <input type="checkbox"/> Automotive Transmission and Driveline Technician (NDSCS) <input type="checkbox"/> Automotive and Diesel Master Technician (NDSCS) <input type="checkbox"/> Caterpillar Dealer Service Technician (NDSCS) <input type="checkbox"/> Diesel Technology (NDSCS, WSC) <input type="checkbox"/> John Deere Tech (NDSCS) <input type="checkbox"/> Mechanical Systems (NDSCS) <input type="checkbox"/> Recreational Engines Technology (NDSCS)		
HEALTH, SAFETY & ENVIRONMENTAL MANAGEMENT			<input type="checkbox"/> Environmental Design (NDSU)	
LOGISTICS PLANNING & MANAGEMENT SERVICES				<input type="checkbox"/> Transportation & Logistics Supervision (NDSU)
SALES & SERVICE		<input type="checkbox"/> Ag Mechanics Sales & Service (NDSCS)	<input type="checkbox"/> Business Administration (DSU, MaSU, NDSU, TBC, UM, VCSU)	<input type="checkbox"/> Business Administration (MiSU, NDSU, UM, UND)

TRANSPORTATION OPERATIONS	<input type="checkbox"/> Truck Driver, Heavy	<input type="checkbox"/> Truck Driver (G's Driving School – Minot) <input type="checkbox"/> Airport/Aviation Management Aviation (WSC)	<input type="checkbox"/> Aeronautics (UND) <input type="checkbox"/> Airport/Aviation Management (UND)	<input type="checkbox"/> Aviation (UND)
TRANSPORTATION SYSTEMS/INFRASTRUCTURE PLANNING, MANAGEMENT & REGULATION		<input type="checkbox"/> Civil Engineering & Surveying Technology (NDSCS) <input type="checkbox"/> Transportation & Logistics Supervision (BSC)	<input type="checkbox"/> Civil Engineering (NDSU, UND)	<input type="checkbox"/> Transportation & Logistics Supervision (NDSU)
WAREHOUSING & DISTRIBUTION CENTER OPERATIONS	For more about Apprenticeships: http://bat.doleta.gov/bat.cfm	<input type="checkbox"/> Transportation & Logistics Supervision (BSC)		<input type="checkbox"/> Transportation & Logistics Supervision (NDSU)

BJCC – Burdick Job Corps Center, BSC – Bismarck State College, CCCC – Cankdeska Cikana Community College, DSU – Dickinson State University, LRSC – Lake Region State College, NDSCS – MaSU – Mayville State University, MiSU – Minot State University, North Dakota State College of Science, NDSU – North Dakota State University, TBC – Trinity Bible College, UM – University of Mary, UND – University of North Dakota, UTTC – United Tribes Technical College, VCSU – Valley City State University, WSC – Williston State College.

May 2012