Diesel Technology Pathway

ACADEMY OF DESIGN, ENGINEERING AND TRANSPORTION

Our MISSION
Educating all learners for tomorrow's world.

Pathway Experience

Powersports technology education encompasses a wide range of topics related to the maintenance, repair, and operation of different powersports vehicles, including motorcycles, ATVs, snowmobiles, etc. The pathway exposes students to technical and professional skills through lab experiences, dual credit, and emerging partnerships.

HIGH-WAGE, HIGH-SKILL, AND HIGH-DEMAND CAREERS	
Facility & Mobile Equipment	Automotive Service Technician · Diesel Engine Specialist · Marine Technician· Service Manager · Electrical/Electronic ·
Sales & Service	Marketing Manager · Sales Representative · Cargo and Freight Agent · Customer Service Representative · Customer Order and Billing Clerk · Sales Manager

PROGRAM OF STUDY: RECREATIONAL ENGINES				
SUBJECT	**9th Grade**	**10th Grade**	**11th Grade**	**12th Grade**
Choice Ready Planning	Freshman Experience HS 101	Choice Ready Career & Financial Literacy	Cybersecurity & College Ready	Senior Experience & Profile of a Graduate
CTE Pathway	**Elective course option**	**Powersports I**	**Powersports I or Powersports II**	**Powersports I or Cooperative Work Experience**
English Lang. Arts	**4 Credits required:** core academic, electives, and dual credit are available			
Math	**3 Credits required:** core academic, electives, and dual credit are available			
PE/Health	**1 & .5 Credits required:** core academic, electives, and dual credit are available			
Science	**3 Credits required:** core academic, electives, and dual credit are available			
Social Studies	**3.5 credits required:** core academic, electives, and dual credit are available			
Other Electives	Other electives for pathway preparation: Aviation, Business, Engineering, Marketing, Power Sports			

Aligned Career and Technical Student Organization (s)

SkillsUSA—SkillsUSA is a local, state, and national co-curricular association serving high school, college and middle school students who are preparing for careers in trade, technical and skilled service occupations, including health occupations. SkillsUSA empowers its members to become world-class workers, leaders and responsible American citizens the SkillsUSA Framework of personal, workplace and technical skills. Contact your SkillsUSA Advisor to learn more.

College & Career Experiences – Accessible to ALL Academy Program of Study Students

4-year rolling plan, Classroom Guest Speakers, Campus and Industry Tours, Career Interest Inventory, College Application, R U Ready ND exploration, Compass Tool Profiles, College & Career Research, College and industry representative visits during advisory and lunch and learn session, Job Shadow/ Professional Interview/CareerViewXR, Scholarship & Financial Aid, Senior Capstone/Profile of a Graduate Reflection

Early Postsecondary Courses – Accessible to ALL Academy Program of Study Students

Review the West Fargo Course Catalog for dual credit course and advanced placement course offerings. (link)

Professional Certification(s)

Industry certifications available but may depend on student pathway of interest and career plans.

Is this Academy for you?

- Are you curious about how things are made or how they work?
- Do you enjoy creating, inventing, or imagining new and different ways to do things?
- Do you consider yourself a leader who could be part of a team?
- Are you interested in technology and its ongoing innovation?
- Do you like to follow directions and use precise detail to complete a task?

Recreational Engines Coordinated Plan of Study – ND Scholarship

Course Name	Credit
Diesel I	2 credits
Diesel II	2 credits
Cooperative Work Experience	1—4 credits

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	♦ Auto Collision Technology (BSC, NDSCS) ♦ Auto Technology (BSC, BJCC, CCCC, LRSC, NDSCS, UTTC) ♦ Diesel Technology (NDSCS) ♦ Electronics Technology (BSC) ♦ Electronics & Telecommunications Technology (BSC) ♦ Facilities Maintenance (BJCC) ♦ Geographic Information Systems Technology (BSC) ♦ Power Sport Technology (NDSCS) ♦ Transportation Technician (WSC)		
Logistics Planning & Management Services	♦ Information Management Systems (DCB, NHSC, RC) ♦ Information Processing Specialist (BSC) ♦ Information Technology (DCB, LRSC, NDSCS, WSC) ♦ Management Information Systems (NDSCS)	♦ Business Administration/Business Process Integration Management (VCSU) ♦ Business Management (UM) ♦ Information Technology Management (DSU, UM) ♦ Management Information Systems (MiSU, NDSU, RC, UND) ♦ Operations/Supply Chain & Logistics (RC, UND)	♦ Business Administration/Project Management (UM) ♦ Transportation and Logistics (NDSU)
Sales & Service	♦ Business Management (WSC) ♦ Marketing & Management transfer (DCB, LRSC, RC)	♦ Airport Management (UND) ♦ Marketing (MiSU, NDSU, RC, UM, UND)	♦ Merchandising (NDSU)
Transportation Operations	♦ Airline Transport Pilot (FFS) ♦ CDL/Heavy Equipment (CCCC, NHSC, SBC, TMCC, UTTC) ♦ Commercial Pilot (EATC, FFS, GFKFS) ♦ Heavy Equipment Operator (UTTC) ♦ Instrumental/Multi-Engine Rating (EATC, FFS, GFKFS) ♦ Private Pilot (EATC, FFS, GFKFS) ♦ Recreational/Sport Pilot (EATC, FFS)	♦ Air Traffic Control (UND) ♦ Commercial Aviation (UND) ♦ Aviation Management (UND) ♦ Aviation Technology Management (UND) ♦ Flight Education (UND) ♦ Unmanned Aircraft Systems Operations (UND)	♦ Aerospace Sciences (UND) ♦ Aviation (UND)
Transportation Systems/ Infrastructure Planning, Management & Regulation		♦ Airport Management (UND) ♦ Aviation Technology Management (UND) ♦ Operations/Supply Chain & Logistics (RC, UND) ♦ Public Policy	♦ Transportation and Urban Systems (NDSU)