



# MITCHELLTECH

## Diesel Power – Ag Power Technology

- Hands-on experience with today's biggest, most automated machinery
- Courses include drive trains, hydraulics, electrical systems, air conditioning systems, GPS, harvesting equipment, and service management
- Receive hands-on training and learn critical diagnostic and troubleshooting skills in our new 43,000 sq. ft. lab



**JOB PLACEMENT RATE: 100%\***

**TUITION/FEES: \$18,925**

*Books and tool costs not included.*

\*Placement data is gathered through graduate surveys, faculty-collected data, and phone surveys started after six months of graduation. In 2023, 12 of the 12 graduates are represented in the data. Employment rate is figured by: (graduates employed)/(responding graduates who are seeking employment).

# BE THE BEST.

**605-995-3025**  
**mitchelltech.edu**

**Award: AAS Degree**

First Semester		Semester Credits
DPT	101	Intro to Light Truck Diesel Engines . . . . . 4
DPT	105	Service Fundamentals and Preventive Maintenance . . . . . 2
DPT	120	Diesel Engines Control Systems . . . . . 3
DPT	130	Electrical Electronic Systems . . . . . 2
OSHA	100	OSHA 10 General . . . . . 1
CIS	105	Introduction to Computers . . . . . 3
SSS	100	Student Success . . . . . 1
		Math Elective . . . . . 3
		19

Second Semester		Semester Credits
AGT	103	Machinery Management . . . . . 2
DPT	107	Introduction to Hydraulics . . . . . 3
DPT	115	Intro to Powertrain . . . . . 3
DPT	121	Adv. Diesel Engine and Control Sys. . . . . 3
DPT	161	Air Cond. Service Fundamentals . . . . . 3
DPT	280	Successful Service Management . . . . . 1
		Social Science Elective . . . . . 3
		18

Third Semester (Summer)		Semester Credits
DPT	290	Internship . . . . . 6

Fourth Semester (Fall)		Semester Credits
AGT	212	Ag Chem Equipment . . . . . 3
DPT	215	Ag Equipment Powertrain and Drivetrains Systems . . . . . 2
DPT	231	Electrical/Electric Diagnostics II . . . . . 3
DPT	240	Harvesting Equipment Maintenance and Repair . . . . . 3
PAT	102	Principles of GPS/GIS . . . . . 2
		Behavioral Science Elective . . . . . 3
		Written Communications Elective . . . . . 3
		19

Fifth Semester (Spring)		Semester Credits
DPT	201	Guidance Steering & Variable Rate . . . . . 3
DPT	210	Adv. Fluid Power Dynamics . . . . . 3
DPT	221	Ag Equipment Diagnostics . . . . . 3
DPT	241	Tractor Performance and Set-Up . . . . . 2
WLD	102	Basic Welding . . . . . 2
Electives (Choose one or two)		
DPT	243	Seeding Equipment Fundamentals . . . . . 3
DPT	245	Hay Equipment Fundamentals . . . . . 3
		16

**Total Credits Required to Graduate: 78**



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