



MITCHELL TECH

Utilities Technology (Combination Degree)

- Combines a set of two popular one-year programs into one, allowing you to earn an AAS degree
- Choose from Power Line Construction & Maintenance; Natural Gas Technology; Heating & Cooling Technology; or Geospatial Technologies
- Learn in-demand skills and gain valuable hands-on experience
- Match up two specialties to create a unique set of skills that will put you in high demand
- High starting salaries
- Excellent job opportunities



TUITION/FEES/LAPTOP:

Costs factored according to individual educational plans

GET READY



605.995.3025
mitchelltech.edu

Choose Two Programs

Power Line Construction & Maintenance Curriculum

First Semester		Semester Credits
PAT	100	Intro to GPS Technologies.....1
PL	111	Fundamentals of DC/AC2
PL	141	Power Grid Design I.....2
PL	150	Field Training I2.5
PL	151	Construction of Underground Lines2.5
PL	152	Construction of Overhead Lines2.5
PL	157	Overhead Distribution I2.5
PL	181	Field Safety I.....1

Second Semester		Semester Credits
PL	120	Transformers Connections2
PL	143	Power Grid Design II2
PL	154	Maintenance of Underground Lines2.5
PL	154	Maintenance of Overhead Lines2.5
PL	154	Overhead Distribution II.....2.5
PL	156	Field Training II.....2.5
PL	182	Field Safety II1

Drone Aviation & Geospatial Technologies Curriculum

First Semester		Semester Credits
MAP	101	Introduction to GIS4
MAP	102	Principles of GPS.....2
MAP	105	UAS Operation2
MAP	110	CAD I.....2
MAP	130	Leveraging Artificial Intelligence.....2

Second Semester		Semester Credits
MAP	121	Cloud Based GPS/GIS Applications.....2
MAP	122	3D Printing Applications in Geospatial Technologies.....2
MAP	125	GIS Problems & Analysis4
MAP	128	Remote Sensing3
MAP	140	Drone Aviation & Geospatial Lab2
CIS	107	Spreadsheet Concepts3

Heating & Cooling Technology Curriculum

First Semester		Semester Credits
HV	101	Electrical Fundamentals3
HV	111	Heating Fundamentals.....3
HV	121	Air Condition & Refrig. Fundamentals ...2
HV	151	Air Condition/Heat/Refrig. Lab I4

Second Semester		Semester Credits
HV	122	Sheet Metal Tech Lab.....3
HV	132	Heating Refrigeration Theory.....4
HV	142	HV Controls Heat Pumps.....3
HV	152	Air Condition/Heat/Refrig. Lab II.....4

In addition to the technical courses required in each program, the student seeking an AAS degree must also complete 16 credits of general education courses as outlined in the general education section of the catalog, as well as the following courses:

TRAN	100	Industrial Transportation CDL1
OSHA	101	OSHA 10 Construction1
SSS	100	Student Success.....1
CPR	100	First Aid, CPR & AED.....0.5