



***MITCHELLTECH***

## **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

**BE THE BEST.**

**800-684-1969**  
**[mitchelltech.edu](http://mitchelltech.edu)**

## Choose Two Programs

### Power Line Curriculum

First Semester		Semester Credits
PAT	100	Intro to GPS Technologies ..... 1
PL	111	Fundamentals of DC/AC ..... 3
PL	141	Power Grid Design ..... 3
PL	150	Field Training I ..... 4
PL	151	Construction of Underground Lines ..... 4
PL	171	Utility Safety I ..... 1

Second Semester		Semester Credits
PL	120	Transformer Connections ..... 3
PL	143	Power Grid Design II ..... 3
PL	154	Maintenance of Underground Lines ..... 4
PL	156	Field Training II ..... 4
PL	172	Utility Safety II ..... 1

### Geospatial Technologies Curriculum

First Semester		Semester Credits
MAP	101	Introduction to GIS ..... 4
MAP	102	Principles of GPS ..... 2
MAP	105	UAS Operation ..... 2
MAP	110	CAD I ..... 2
SD	100	Introduction to Programming ..... 2

Second Semester		Semester Credits
MAP	120	CAD II ..... 2
MAP	121	Cloud Based GPS/GIS Apps ..... 2
MAP	125	GIS Problems & Analysis ..... 4
MAP	128	Remote Sensing ..... 3
CIS	107	Spreadsheet Concepts ..... 3

### Heating & Cooling Technology Curriculum

First Semester		Semester Credits
HV	101	Electrical Fundamentals ..... 3
HV	111	Heating Fundamentals ..... 3
HV	121	Air Condition & Refrig. Fundamentals .... 2
HV	151	Air Condition/Heating/Refrigeration Lab I 4

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 Heating/Refrigeration Lab II 4

### Natural Gas Technology Curriculum

First Semester		Semester Credits
NGT	100	Safety for the Natural Gas Technician .... 1
NGT	102	Gas Operations & Maintenance ..... 3
NGT	104	Foundations of Natural Gas Tech. .... 2
NGT	105	Gas Installation Lab ..... 3
NGT	110	Trenching & Excavation Practices ..... 2

Second Semester		Semester Credits
BUS	204	Customer Service ..... 3
NGT	112	Gas Metering & Regulators ..... 3
NGT	115	Gas Mapping & Locating ..... 4
NGT	120	Corrosion Management ..... 3
PAT	102	Principles of GPS/GIS ..... 2

In addition to the technical courses required in each program, the student seeking an AAS degree must also complete:

TRAN	100	Industrial Transportation CDL ..... 1
OSHA	101	OSHA 10 Construction ..... 1
CPR	100	First Aid, CPR AED ..... 0.5

In addition to the technical courses required in the 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.