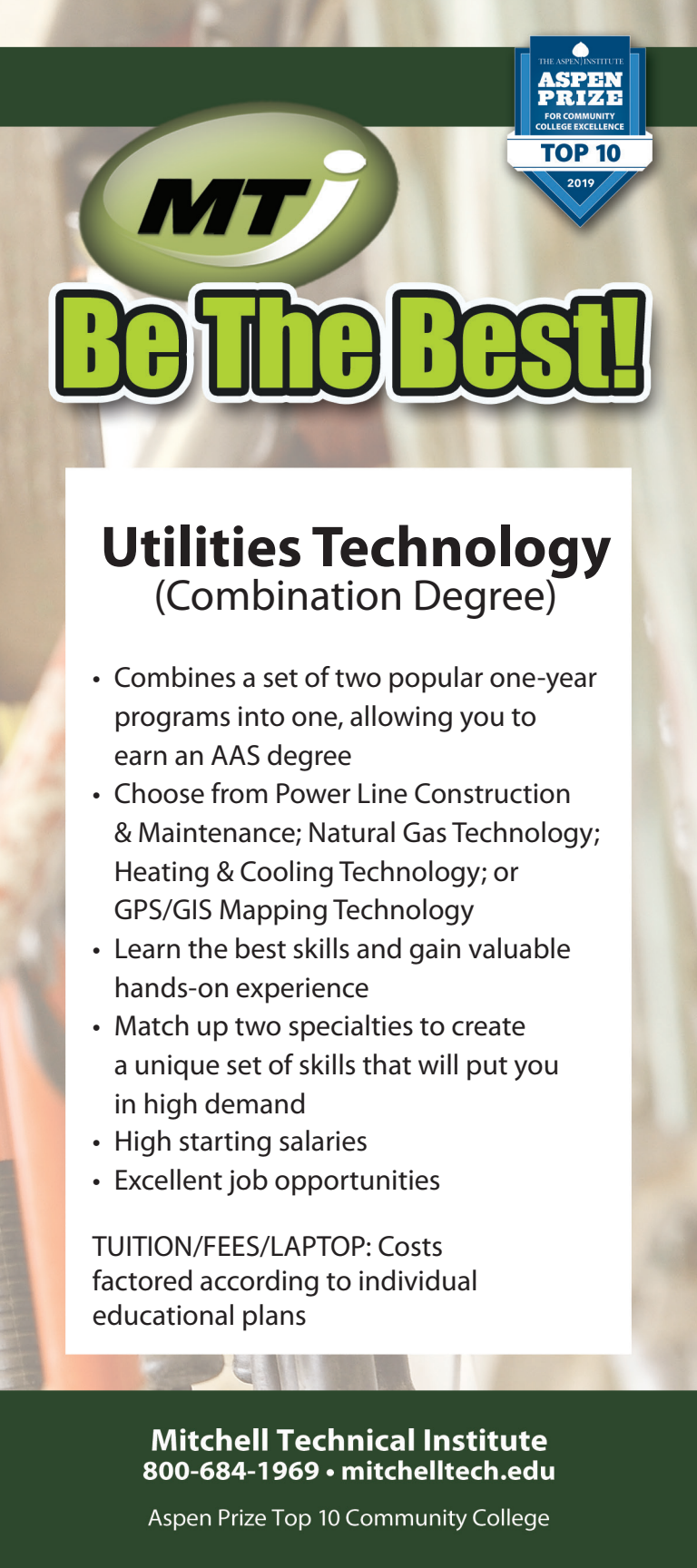

Utilities Technology
(Combination Degree)

- 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 GPS/GIS Mapping Technology
- Learn the best 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

Mitchell Technical Institute
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Aspen Prize Top 10 Community College

PL Curriculum

First Semester			Semester Credits
PL	100	Apprenticeship Prep	1
PL	111	Fundamentals of DC/AC	3
PL	141	Power Grid Design	2
PL	150	Field Training I	4
PL	151	Construction of Underground Lines	4
PL	171	Utility Safety I	1
PAT	100	Intro to GPS Technologies	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

GPS/GIS Mapping Technology Curriculum

First Semester			Semester Credits
MAP	101	Introduction to GIS	4
MAP	105	GPS Data Collection & Management	4
MAP	110	CAD I	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	Spreadsheets	3

Heating & Cooling Technology Curriculum

First Semester			Semester Credits
HV	101	Electrical Fundamentals	3
HV	111	Heating Fundamentals	3
HV	121	AC and Refrigeration Fundamentals	2
HV	151	AC/Heating/Refrigeration Lab I	4

Second Semester			Semester Credits
HV	122	Sheet Metal Technology and Lab	3
HV	132	Heating & Refrigeration Theory	4
HV	142	HV Controls & Heat Pumps	3
HV	152	AC/Heating/Refrigeration Lab II	4

Natural Gas Technology Curriculum

First Semester			Semester Credits
NGT	100	Safety for the Natural Gas Technician	1
NGT	101	Electrical Fundamentals	3
NGT	102	Gas Operations & Maintenance	3
NGT	105	Gas Installation Lab	3
NGT	110	Trenching & Excavation Practices	2
NGT	120	Corrosion Management	2

Second Semester			Semester Credits
NGT	104	Foundations of Natural Gas Technology	2
NGT	112	Gas Metering & Regulators	3
NGT	115	Gas Mapping & Locating	4
PAT	102	Principles of GPS/GIS	2
BUS	204	Customer Service	3

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 MTI catalog:

TRAN	100	Industrial Transportation/CDL	1
OSHA	101	OSHA 10 Training	1
CPR	100	First Aid, CPR & AED	0.5