Highland Community College - Program Information

Associate of Applied Science (AAS)

Electrical Technology (full-time)

Effective Date 08/15/2021

The plan below is a sample course list. Consult an advisor for the best choices. The total credits may exceed the 60 required for the Associate in Applied Science in Electrical Technology. Some courses have specific semesters and prerequisites. Technical courses must be under five years old.

1st Sem	COURSE	CREDITS	SGE	COMPLETED
ELE102	Safety (OSHA 10)	1		☐
ELE122	Residential Wiring I	4		☐
ELE115	Print Reading	2		☐
ELE132	Commercial Wiring I	4		☐
Gen Ed Course	Public Speaking/Oral Communications	3	020	☐
Total Credits		17		

2nd Sem	COURSE	CREDITS	SGE	COMPLETED
ELE112	AC/DC Circuits I	4		☐
ELE125	Generator and Transformer	3		☐
ELE135	Troubleshooting Techniques	4		☐
ELE142	National Electrical Code I	4		☐
Gen Ed Course	Social & Behavioral Science	3	050	☐
Total Credits		17		

3rd Sem	COURSE	CREDITS	SGE	COMPLETED
ELE152	Industrial Wiring & Design	4		☐
ELE162	Elec. Motor Operation & Control	5		☐
ELE165	Blueprint & Schematics	3		☐
Computer	Computer Literacy	3	070	☐
Gen Ed Course	Composition I or Technical Composition	3	010	☐
Total Credits		16		

4th Sem	COURSE	CREDITS	SGE	COMPLETED
ELE163	Elec. Motor Operation & Control II	5		☐
ELE172	Fundamentals of PLC's	2		☐
ELE175	Troubleshooting Techniques II	4		☐
ELE182	National Electrical Code II	4		☐
Gen Ed Course	Humanities & Fine Arts	3	060	☐
Total Credits		18		