



Highland Community College - Program Information

Certificate C – 53 Credits

Electrical Technology (full-time)

Effective Date 08/01/2022

This map provides a guide to completing a certificate program or an associate degree. Completion is subject to pre-requisite requirements and availability of the program/courses by location.

1 st Sem	COURSE	CREDITS	SGE	COMPLETED
ELE102	Safety (OSHA 10)	1		<input type="checkbox"/>
ELE122	Residential Wiring I	4		<input type="checkbox"/>
ELE115	Print Reading	2		<input type="checkbox"/>
ELE132	Commercial Wiring I	4		<input type="checkbox"/>
Total Credits		11		

2 nd Sem	COURSE	CREDITS	SGE	COMPLETED
ELE112	AC/DC Circuits I	4		<input type="checkbox"/>
ELE125	Generator and Transformer	3		<input type="checkbox"/>
ELE135	Troubleshooting Techniques	4		<input type="checkbox"/>
ELE142	National Electrical Code I	4		<input type="checkbox"/>
Total Credits		15		

3 rd Sem	COURSE	CREDITS	SGE	COMPLETED
ELE152	Industrial Wiring & Design	4		<input type="checkbox"/>
ELE162	Elec. Motor Operation & Control	5		<input type="checkbox"/>
ELE165	Blueprint & Schematics	3		<input type="checkbox"/>
Total Credits		12		

4 th Sem	COURSE	CREDITS	SGE	COMPLETED
ELE163	Elec. Motor Operation & Control II	5		<input type="checkbox"/>
ELE172	Fundamentals of PLC's	2		<input type="checkbox"/>
ELE175	Troubleshooting Techniques II	4		<input type="checkbox"/>
ELE182	National Electrical Code II	4		<input type="checkbox"/>
Total Credits		15		