Electrician – Certificate (ELEC.CERT)

Electricians install and maintain electrical systems in residential construction and commercial buildings. They also work in manufacturing settings, often servicing highly automated industrial processes. Increasingly electricians will be required to wire computer networks and telecommunications. This program will prepare students to work on each of these applications of electricity.

Minimum credits: 30
Minimum cumulative GPA: 2.0
Minimum grade in all courses: 2.0
Minimum Jackson College credits: 8

ELECTRICIAN CORE REQUIREMENTS (30 CREDITS)

Take the following:

ELT	120	Circuit Analysis I
ELT	126	Circuit Analysis II
ELT	150	Residential Wiring
ELT	151	Commercial Wiring
ELT	152	Industrial Wiring
ELT	215	Electrical Troubleshooting
ELT	220	Industrial Motion Control
ELT	250	Electrical Motors & Controls
ELT	260	Basic Programmable Controllers
ELT	274	Electrician's National Code

ADDITIONAL COURSES THAT CAN QUALIFY FOR STATE APPRENTICESHIP HOURS

(Not required for ELEC.CERT)

ELT	130	Electronics I
ELT	140	Introduction to Digital Electronics
ELT	261	Advanced PLC Programming