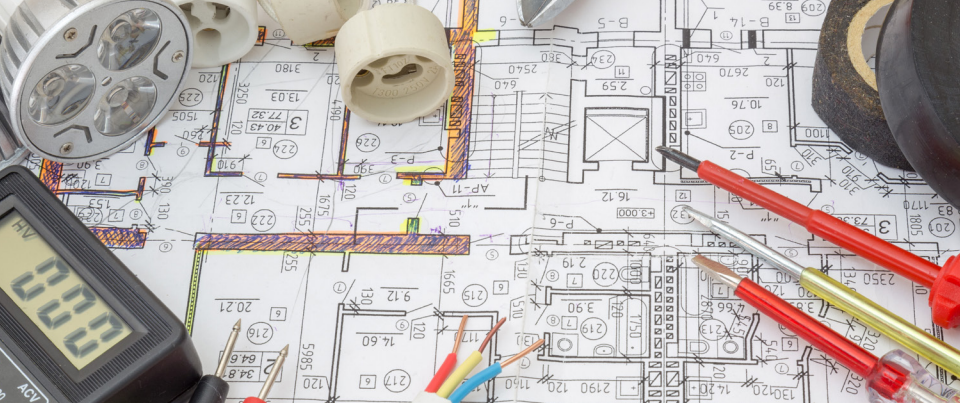

LAKES REGION COMMUNITY COLLEGE

ELECTRICAL POWER & CONTROL TECHNOLOGIES

Why Electrical Power?

The Electrical Power and Control Technologies (EPCT) degree program prepares students in the electrical industry and offers an ever-increasing number and variety of employment opportunities to qualified industrial electricians. Nationwide there is a high demand for industrial electricians. Students graduating from EPCT can expect entry-level employment with rapid upward mobility in construction, industrial electricity, electrical design, or electrical inspection. Completion of this program satisfies all the related education requirements for electrical licensing within the State of New Hampshire. New Hampshire license holders receive reciprocity with the States of Massachusetts, Vermont, and Maine.

Potential Jobs/Careers:

- Electrician
  (After completion of NH State licensing requirements)
- Power Plant Operations
- Building Electrical Maintenance Technician
- Machine Electrical Maintenance Technician
- Renewable Energy Electrical Technician

Potential Salary:

There is a wide range of jobs in the electrical industry. See below for the average annual salary range in NH for electrical technicians.

- **Entry Level $40,996**
- **Mid-Range $59,612**
- **Experienced $68,681**

**New Hampshire Occupational Employment & Wages 2020, published by the NH Economic and Labor Market Information Bureau – Salaries are based on 40 hours of work, not including overtime.*

Estimated Program Cost:

Year 1: $7,525

Year 2: $7,095

for a total of $14,620

**Costs are based on in-state tuition and do not include fees, supplies, or books. *Additional fees may apply; all prices are subject to change.*

Did you know?

LRCC has prepared me for a job in a high demand field. The faculty stays up to date on the latest technology in the electrical field. This allows students to come out of the program with the knowledge and experience on electrical systems that are used in the field today.

— Brad Bishop, A.S. Electrical System Installation & Maintenance /Electric Power & Controls Technologies, Class of 2019

LRCC | Small Community – Big Opportunities

R-06.15.21

ELECTRICAL POWER & CONTROL TECH.

Degree & Certificate Requirements

DEGREE Requirements

FIRST YEAR Fall Semester		Credits
ETEC126L	Residential Wiring & Electrical Blueprint Reading	3
ETEC127L	Residential Wiring & Electrical Blueprint Reading Lab	2
ETEC124L	AC/DC Theory	5
ETEC141L	NEC I	2
ENGL100L	English Composition	4
ESNT120L	College Essentials	1
	TOTAL	17

FIRST YEAR Spring Semester		Credits
ETEC128L	Fundamentals of Electrical Control	4
ETEC130L	Rotating Machinery	4
ETEC142L	NEC II	2
MATH137L	Technical Algebra & Geometry	4
	TOTAL	14

Total Credits for Year = 31

SECOND YEAR Fall Semester		Credits
ETEC143L	NEC III	2
ETEC215L	Photovoltaics	3
ETEC240L	Stationary Machinery	4
PHYS125L	Technical Physics	3
ELECTIVE	Liberal Arts Elective	3
	TOTAL	15

SECOND YEAR Spring Semester		Credits
ETEC210L	Introduction to Electrical Estimating & Design	3
ETEC234L	Construction Site Safety	3
ETEC235L	Programmable Controllers	3
ELECTIVE	Social Science Elective	3
ELECTIVE	Humanities/Fine Arts/Foreign Language Elective	3
	TOTAL	15

Total Credits for Year = 30
Total for A.S. Degree = 61

CERTIFICATE Requirements

Electrical Power & Control Technologies		Credits
ETEC126L	Residential Wiring & Electrical Blueprint Reading	3
ETEC127L	Residential Wiring & Electrical Blueprint Reading Lab	2
ETEC124L	AC/DC Theory	5
ETEC128L	Fundamentals of Electrical Control	4
ETEC130L	Rotating Machinery	4
ETEC141L	NEC I	2
ETEC142L	NEC II	2
MATH137L	Technical Algebra & Geometry	4
ESNT120L	College Essentials	1
	TOTAL	27

379 Belmont Road | Laconia, NH 03246 | (603) 524-3207 | www.LRCC.edu

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