



LAKES
REGION
COMMUNITY
COLLEGE

INDUSTRIAL AUTOMATION & ROBOTICS

The Industrial Automation & Robotics associate degree program at LRCC provides students with a strong foundation in automation, robotics, and essential computer skills.

Over two years, students will build robots and gain the knowledge needed to maintain and repair them. This program encompasses hands-on programming and fabrication training, providing a well-rounded education in the robotics industry.

Potential Jobs/Careers:

- Manufacturing Production Technician
- Robotics Technician
- Process Control Technician
- Automation Technician

Program pending Board approval.

Potential Salary:

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

- **Entry Level \$53,630**
- **Mid-Range \$60,912**
- **Experienced \$76,791**

**New Hampshire Occupational Employment & Wages 2021, 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: \$6,665**
 - **Year 2: \$6,880**
- for a total of \$13,545

**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*

Degree Requirements

FIRST YEAR Fall Semester		Credits
ENGL100L	English Composition	4
MATH211L	College Algebra	4
CIS136L	Fundamentals of IT	3
CIS248L	Introduction to Networks	3
ESNT120L	College Essentials	1
TOTAL		15

FIRST YEAR Spring Semester		Credits
MATH216L	Statistics	4
IARB116L	Fabrication Technologies	4
IARB126L	Introduction to Electronics	4
CIS140L	Introduction to Programming	4
TOTAL		16

Total Credits for Year = 31

SECOND YEAR Fall Semester		Credits
MATH235L	Pre-Calculus	4
CIS215L	Intermediate Programming	4
IARB236L	Introduction to Micro-controllers	4
ELECTIVE	Science Elective	3
TOTAL		15

SECOND YEAR Spring Semester		Credits
MATH270L	Calculus I	4
CIS275L	Object-Oriented Programming – C++	3
IARB276L	Industrial Robotics & Automation	4
ELECTIVE	Social Science Elective	3
ELECTIVE	Humanities/Fine Arts/Foreign Language Elective	3
TOTAL		17

Total Credits for Year = 32
Total for A.S. Degree = 63

The Community College System of NH does not discriminate in the administration of its admissions and educational programs, activities, or employment practices on the basis of race, creed, color, religion, ancestry or national origin, age, sex, sexual orientation, gender identity and expression, physical or mental disability, genetic information, or law enforcement, military, veteran, or marital status.