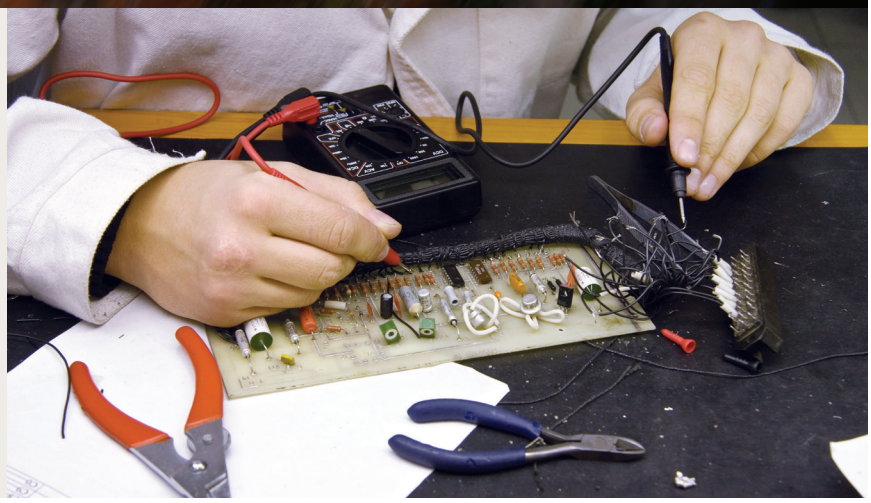
ELECTRICAL ENGINEERING

UNIVERSITY OF PITTSBURGH

LA ROCHE UNIVERSITY

FROM COMMUNICATIONS SYSTEMS AND COMPUTERS to power generation and distribution, electrical engineers design, develop and test a variety of complex electrical equipment. If you're a natural problem-solver who wants to make a career out of developing bold solutions, La Roche University's joint program with the University of Pittsburgh offers the advanced skills that you need to succeed.



CURRICULUM

FOUNDATION COURSES
46 credits

SCIENCE AND MATHEMATICS COMPONENT
28 credits

Analytical Geometry & Calculus I

Analytical Geometry & Calculus II

General Chemistry I with Lab

General Chemistry II with Lab

Physics I with Lab

Physics II with Lab

Programming I with Lab

HUMANITIES AND SOCIAL SCIENCE COMPONENT
18 credits

Select courses from three different areas, not including science. One must be writing-intensive. Two non-introductory courses from the same department or theme *Suggestion:*

Modern language in lieu of Community/Global courses.

ELECTRICAL ENGINEERING MAJOR REQUIREMENTS
28 credits

MATHEMATICS
13 credits

Analytical Geometry & Calculus III

Ordinary & Differential Equations

Linear Algebra

Probability & Statistics I

COMMUNICATIONS
Choose 1 course – 3 credits

Academic Writing and Information Literature

Oral Communications

Business Communications

Writing for Public Relations

Technical Writing

TECHNICAL ELECTIVES
6 credits

Complete two courses in advanced life science, computer science or math. Courses must be pre-approved.

OPEN ELECTIVES
6 credits

Any two courses that are not of a similar nature to, or lower level than, a required or previously taken course can be used to fulfill this requirement. Three credits of Physical Education also may be used.

Continued

LA ROCHE UNIVERSITY | 9000 Babcock Blvd. | Pittsburgh, PA 15237 | laroche.edu

Freshman Admissions
844-838-4578 | 412-536-1272
admissions@laroche.edu

Transfer Admissions
412-536-1260
transferadmissions@laroche.edu

ELECTRICAL ENGINEERING

LA ROCHE UNIVERSITY

CURRICULUM *(continued)*

PRE-APPROVED TECHNICAL/ PROFESSIONAL ELECTIVES*

Must be courses not already designated as required in your engineering track.

ADVANCED LIFE SCIENCE

Microbiology with Lab
Genetics
General Ecology
Cell Biology
Biochemistry
Immunology
Molecular Biology

COMMUNICATIONS

College Writing II
Public Speaking
Business Communications
Writing for Public Relations
Technical Writing

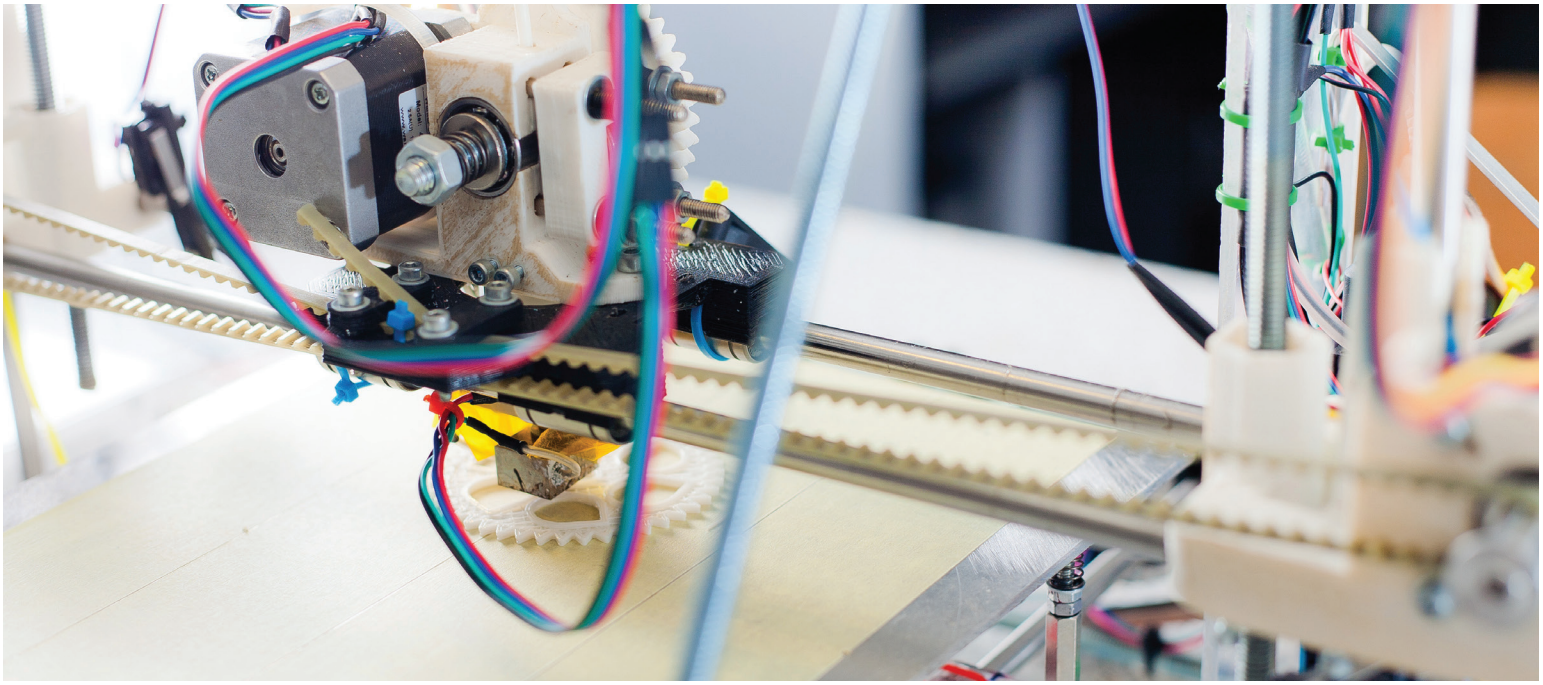
COMPUTER SCIENCE

Programming II & Lab
Algorithm Analysis
Systems Programming & Lab
Database Theory
Computer Organization
Operating Systems
Telecommunications
Advanced Database Theory

MATHEMATICS

Discrete Mathematics I
Discrete Mathematics II
Probability & Statistics II
Complex Variables
History of Mathematics
Modern Abstract Algebra
Geometry
Real Analysis

*Any other LRU course taken as a Technical or Professional elective must be pre-approved by the University of Pittsburgh, Swanson School of Engineering's Coordinator of Transfer Student Services.



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