Electrical & Computer Engineering
Associate in Science

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

This comprehensive program provides students an overview of the electrical and computer engineering field. Students explore such areas as computer hardware, digital electronics, computer science, and engineering.

Upon successful completion, the Associate in Science Degree in Electrical and Computer Engineering is awarded.

PROGRAM FOOTNOTES
Students are advised to check transfer requirements at four-year institutions.

- Some institutions require two Chemistry courses for specific engineering programs. CH 110 Principles of Chemistry I and CH 120 Principles of Chemistry II sequence is recommended in such cases.
- Students are encouraged to take an additional computer science course from the following list:
  - CS 106 Security Awareness
  - CS 113 Fundamentals of Information Technology
  - CS 120 Programming
  - CS 141 Linux System Management
  - CS 212 Systems Programming with "C,"
  - CS 242 Computer Networks
  - ET 211 iCREAT II
- Students planning to transfer to Northeastern University Electrical Engineering program are encouraged to take MA 210 Introduction to Linear Algebra
  - CO 131 Oral Communications requirement can be substituted for a Humanities elective
  - EC 201 Principles of Macroeconomics requirement can be substituted for EC 202 Principles of Microeconomics or another Social Science elective
  - CT 100 Critical Thinking requirement can be fulfilled by passing the Critical Thinking Challenge Exam

Humanities Electives:
Art, Communication, English (EN 103 or higher), ESL 101 or higher (up to 6 credits), Film, Foreign Language, Humanities, Literature, Music, Oral Communication, Philosophy, Photography, Sign Language, Theater Arts

Social Science Electives:
Anthropology, Economics, Geography, Government, History, Law, Psychology, Sociology

Quantitative skills are a MassBay graduation competency for associate degree programs. Prior to graduation, students must demonstrate this competency by completing a 100-level math course (not MAC); or placing into a 200-level mathematics course.

This program qualifies as an Alternative Transfer Agreement (MassTransfer) with select public institutions in Massachusetts. For more information, visit www.mass.edu/masstransfer.