

COMPUTER ENGINEERING

Enrollment and Graduation Data

Fall 2018 Enrollment – 435

2017-18 Graduates – 66 BS degrees conferred

Program Educational Objectives

The computer engineering department has established the following educational objectives for the computer engineering program, which describe the accomplishments of its graduates during the first few years following graduation:

- *Career Focus* Graduates successfully contribute to the professional workforce typically by applying their knowledge in various areas of computer engineering related to hardware, software and/or systems.
- *Graduate Study* Many graduates have pursued, are pursuing, or plan to pursue graduate study in computer engineering, related disciplines or business.
- *Independent Learning* Graduates are engaged in lifelong learning and stay current with advancements in their chosen field through independent learning and/or continuing education.
- *Professionalism* Graduates conduct themselves in a professional and ethical manner and function as responsible members of society.

Student Outcomes

By the time of graduation from the program, computer engineering graduates must be able to demonstrate:

- an ability to apply knowledge of mathematics, science, and engineering
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- an ability to function on multidisciplinary teams
- an ability to identify, formulate, and solve engineering problems
- an understanding of professional and ethical responsibility
- an ability to communicate effectively
- the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- a recognition of the need for, and an ability to engage in life-long learning
- a knowledge of contemporary issues
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- acquired experiential education (through co-op) related to the broader area of computer engineering

Constituent Involvement and Communication

Updated January 2019 | source: RIT Institutional Research and Policy Studies

The following constituents are actively included in the computer engineering process.

- Faculty
- Students
- Prospective students and their Parents
- Alumni
- Employers
- Industrial Advisory Board

Information is communicated to the computer engineering constituents through:

- Meetings
- Surveys
- Mailings
- Open Houses
- Informational Tours
- College and department website

Computer Engineering Process

