**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