**BS in Electrical Engineering ABET Accreditation**

The Bachelor of Science program in Electrical Engineering at Syracuse University is accredited by the Engineering Accreditation Commission of ABET, [http://www.abet.org](http://www.abet.org).

**Enrollment and Graduation Data**

Spring 2015 Enrollment 91 students

2014-15 Graduates 25 students

**Program Educational Objectives:**

I. Well-roundedness is demonstrated by graduates of the BSEE program by being known by their professional competence, innovative thinking, ability to work individually and in diverse teams, leadership abilities, communication skills, and integrity.

II. Graduates of the BSEE program who are ready for work are engaged in applying the knowledge acquired in their major, combined with their problem solving abilities, to produce feasible solutions to problems, in a timely manner, which are deemed important in industry, government, or academia.

III. Graduates of the BSEE program who are ready for change exhibit the intellectual flexibility necessary to solve new problems in innovative ways by integrating multiple viewpoints from several disciplines in search of the best possible solutions or applying their knowledge to different professional disciplines.

**Student Outcomes:**

(a) An ability to apply knowledge of mathematics, science, and engineering

(b) An ability to design and conduct experiments, as well as to analyze and interpret data

(c) 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

(d) An ability to function on multidisciplinary teams

(e) An ability to identify, formulate, and solve engineering problems

(f) An understanding of professional and ethical responsibility

(g) An ability to communicate effectively

(h) The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context

(i) A recognition of the need for, and an ability to engage in life-long learning

(j) A knowledge of contemporary issues

(k) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

(l) An ability to think critically as evidenced by skills in interpretation, analysis, evaluation, and inference.