

The Objectives of the Electrical Engineering Program are to produce engineers who:

1: Advance in multidisciplinary engineering careers within the context of Electrical Engineering beginning with either entry-level positions in industry or postgraduate studies in electrical engineering and related fields.

- *Measured by how many graduates work in the five specializations of EE at Alfred University, how many went to graduate school, and how many work in other areas.*
- *Measured by how many in Engineering positions have applied or plan on applying for PE licensure.*

2: Actively engage in teams that solve problems with independent thinking with a drive towards excellence in their job/study performance.

- *Measured by how large a fraction managed to obtain a supervisory position after 5 years.*
- *Measured by the number of peer- reviewed papers in their discipline relating to computing after 5 years.*
- *Measured by the number of patents or applications made after 5 years.*
- *Measured by the number of students who start their own businesses.*

3: Adopt the engineering method with their lifelong learning skills with understanding of complex social issues where engineering will play a key role.

- *Measured by how many graduates took advanced courses in new technologies, whether for credit or not.*
- *Measured by how many graduates work in engineering positions which call for innovative alternative ideas to social issues (i.e. Electric Powered Vehicles, Solar Power, etc.)*
- *Measured by how many obtain and retain their IEEE membership.*