The Norfolk State University Electrical and Electronics Engineering program faculty have identified a set of program educational objectives that describe the expected abilities of graduates as they enter the workforce. Graduates of the Electrical and Electronics Engineering program will:

- Devise technical solutions based on sound principles in science and engineering;
- Be effective communicators of technical information within professional settings or to broader audiences;
- Be ethically responsible members of the engineering community and cognizant of societal impacts of engineering solutions; and
- Continue their professional development in business settings or through advanced degree attainment.

### Optical Engineering Objectives

The Norfolk State University Optical Engineering program faculty have identified a set of program educational objectives that describe the expected abilities of graduates as they enter the workforce. Graduates of the Optical Engineering program will:

- Devise technical solutions based on sound principles in science and engineering;
- Be effective communicators of technical information within professional settings or to broader audiences;
- Be ethically responsible members of the engineering community and cognizant of societal impacts of engineering solutions; and
- Continue their professional development in business settings or through advanced degree attainment.

### Engineering Programs

- Bachelor of Science Electrical and Electronics Engineering (General) ([https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-general/](https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-general/))
- Bachelor of Science in Electrical and Electronics Engineering (Track) ([https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-track/](https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/electrical-electronics-bs-track/))
- Bachelor of Science in Optical Engineering ([https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-bs/](https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-bs/))
- Minor in Biomedical Engineering ([https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/biomedical-minor/](https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/biomedical-minor/))

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### General Department Requirements

All students must complete the University's general education requirements to qualify for the Bachelor of Science degree. Additionally, the department requires that all majors:

- meet prerequisites or their equivalents before enrolling in engineering courses;
- earn a grade of "C" or better in SEM 101 Spartan Seminar 101 and other Spartan Seminar classes, and, in all English, mathematics, science and engineering courses; and,
- complete a senior design project.

### Optical Engineering Objectives

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- Bachelor of Science in Optical Engineering ([https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-bs/](https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/optical-bs/))
- Minor in Biomedical Engineering ([https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/biomedical-minor/](https://catalog.nsu.edu/undergraduate/science-engineering-technology/engineering/biomedical-minor/))

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