The Norfolk State University Electrical and Electronics Engineering Objectives

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.

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.

Electrical and Electronics Engineering Objectives

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;
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