ELECTRICAL ENGINEERING POST-BACCALAUREATE CREDIT CERTIFICATE PROGRAM

Admission Requirements

Applicants apply for admission to the program via the Graduate School application for admission (https://gradschool.psu.edu/graduate-admissions/how-to-apply/). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions Policies (https://gradschool.psu.edu/graduate-education-policies/). International applicants may be required to satisfy an English proficiency requirement; see GCAC-305 Admission Requirements for International Students (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-300/gcac-305-admission-requirements-international-students/) for more information.

It is expected that students have an ABET accredited Bachelor of Science degree in Electrical Engineering (BSEE) with a GPA of at least 3.0 in the final two years of school. Admission decisions will also be based on relevant transcripts, personal statement, work experience, and recommendation letters.

Those applying for admission in the Electrical Engineering certificate program without an ABET accredited Bachelor of Science in electrical engineering (BSEE) degree may be accepted with a strong background in mathematics and evidence that they meet the prerequisites to selected certificate courses. Note: The online electrical engineering certificate does not offer online prerequisite courses.

Prerequisite math courses for students who have not earned a Bachelor of Science in Electrical Engineering degree are: Calculus I, Calculus II, Calculus III (Multivariate calculus), Differential Equations, Complex Numbers and Probability/Statistics. Evidence to meet certificate prerequisite courses may include: Electromagnetics, Electrical Communications, Control System Design, Digital Signal Processing, Power/Machines, Signal and Systems (Fourier and Laplace transforms), Physics (Calculus based), Computer Programming (C,C++ or equivalent), Electrical Circuits (Calculus based) and Electronic Circuits. It is also very helpful to have some experience in MATLAB programming. All applicants are expected to have earned a junior/senior grade point average of 3.0 or higher.
Note: Technology degrees in electrical engineering, (for example, BSEET) are generally not an equivalent BSEE degree and therefore not accepted; applicants with a technology degree must meet all deficiency requirements and prerequisites to be considered.