The language of instruction at Penn State is English. English proficiency test scores (TOEFL/IELTS) may be required for international applicants. See GCAC-305 Admission Requirements for International Students (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-305/gcac-305-admission-requirements-international-students/) for more information.

**Degree Requirements**

Requirements listed here are in addition to Graduate Council policies listed under GCAC-700 Professional Degree Policies (https://gradschool.psu.edu/graduate-education-policies/).

A minimum of 45 credits at the 400, 500, or 800 level is required, with a minimum of 24 at the 500 or 800 level.

The D.Eng. program emphasizes scholarly applied research and helps students prepare for research and related careers in industry, government, and academe. Students must pass written and/or oral qualifying examinations. The D.Eng. program is quite flexible, with 15 prescribed course credits (9 credits from ENGR 501, ENGR 804, ENGR 405, and ENGR 802; 3 credits from ENGR 820; 3 credits from STAT 500, STAT 501, STAT 505, or STAT 510, or approved numerical methods/analysis course) and 15 technical elective course credits allowing the student to customize their program of study to meet their research interests. Students must also complete 15 research praxis credits (ENGR 810). The D.Eng. is awarded upon completion of a program of advanced study that includes the passing of comprehensive and final oral examinations as determined by the student's praxis committee, and a satisfactory praxis. A D.Eng. student must have 30 credits above a master's degree (i.e., 15 prescribed course credits and 15 technical elective course credits) before taking the comprehensive examination.

The D.Eng. program has a residency requirement that can be met by attending a 5 days on-campus residency or attending multiple shorter on-campus residencies that combined add to a minimum of 5 days. The D.Eng. program is a highly individualized program that takes into account the flexibility needs of its primarily non-traditional students and the unique relationship that student will have with their praxis advisor and committee. Hence, the residency requirement can be met in a number of methods, as long as the cumulative time on campus is at least 5 days. Tracking of residency days will be handled by the Graduate Program Support Assistant (GPSA) for the D.Eng. Program and communicated to the student. The D.Eng. Program will hold, on an annual basis (immediately prior to Fall semester), a 2-day D.Eng. orientation at University Park that will be offered to all students, but not required. It is expected that the remainder of the residency days will be obtained via other methods, e.g., visits to campus for research meetings with praxis faculty, students, and researchers; attendance in lab group meetings on campus; visits to attend on-campus workshops; and organized D.Eng. program–specific professional development activities that will be offered at least once per semester for those in the program and to the broader
community. Working with the GPSA, it is the student's responsibility to ensure progress toward completed residency days. This requirement must be satisfied prior to the semester in which the final oral examination is administered. The GPSA will also track successful accomplishment of other program milestones in order to certify completion of all D.Eng. degree requirements.

**Minor**

A graduate minor is available in any approved graduate major or dual-title program. The default requirements for a graduate minor are stated in Graduate Council policies listed under GCAC-600 Research Degree Policies (https://gradschool.psu.edu/graduate-education-policies/) and GCAC-700 Professional Degree Policies (https://gradschool.psu.edu/graduate-education-policies/), depending on the type of degree the student is pursuing:

- GCAC-611 Minor - Research Doctorate (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-600/gcac-611-minor-research-doctorate/)
- GCAC-641 Minor - Research Master’s (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-600/gcac-641-minor-research-masters/)
- GCAC-709 Minor - Professional Doctorate (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-700/gcac-709-professional-doctoral-minor/)
- GCAC-741 Minor - Professional Master's (https://gradschool.psu.edu/graduate-education-policies/gcac/gcac-700/gcac-741-masters-minor-professional/)

**Student Aid**

World Campus students in graduate degree programs may be eligible for financial aid. Refer to the Tuition and Financial Aid section (https://www.worldcampus.psu.edu/tuition-and-financial-aid/) of the World Campus website for more information.

As a professional online degree program, tailored to the working professional, traditional graduate research or teaching assistantships are not available. It is expected that students in this program will be supported by their employer or self-paid. However, graduate students may be supported by a variety of government and industry fellowships, traineeships, and other research assistantships.

**Courses**

Graduate courses carry numbers from 500 to 699 and 800 to 899. Advanced undergraduate courses numbered between 400 and 499 may be used to meet some graduate degree requirements when taken by graduate students. Courses below the 400 level may not. A graduate student may register for or audit these courses in order to make up deficiencies or to fill in gaps in previous education but not to meet requirements for an advanced degree.