



## DESIGNED FOR PART-TIME STUDENTS

### Curriculum

A minimum of 48 credit hours of graduate work beyond the master's degree is required, including

- 18 credit hours of core courses
- At least 18 credit hours of graduate coursework in the student's area of specialization
- At least 12 credit hours of an applied doctoral project

At least three fifths of the course work must be at 800-level.

The 18 credit hours of core courses are

ENGN 811	Methodologies for Advanced Engineering Projects (3 credit hours)
ENMA 604	Project Management (3 credit hours)
ENGN 812	Engineering Leadership (3 credit hours)
ENGN 813	Engineering Ethics (3 credit hours)
ENGN 611	Financial Engineering (3 credit hours)
ENGN 612	Engineering Corporate Management (3 credit hours)

### Specialization Areas

**Aerospace Engineering (AE)**—Contact the AE Graduate Program Director at (757) 683-3720 for more information

**Civil and Environmental Engineering (CEE)**—Contact the CEE Graduate Program Director at (757) 683-3753 for more information

**Engineering Management and Systems Engineering (EMSE)**—Contact the EMSE Graduate Program Director at (757) 683-4558 for more information

**Mechanical Engineering (ME)**—Contact the ME Graduate Program Director at (757) 683-6363 for more information

**Modeling and Simulation (M&S)**—Contact the M&S Graduate Program Director at (757) 683-4570 for more information

### Admission Criteria

Consideration for admission to the Doctor of Engineering program will require a formal application, undergraduate and graduate transcripts, and two letters of recommendation. Also required is an essay describing the applicant's preparation for graduate work, personal and academic goals, and professional objectives. One of the

The College offers an interdisciplinary Doctor of Engineering (D.Eng.) program to provide the Commonwealth of Virginia and the nation with exceptionally educated engineering practitioners. These individuals will have developed the highest possible capability to provide innovative solutions in specialized engineering endeavors. The graduates of the program will meet the highest standards for advanced level engineering and leadership positions in industry and government.

letters of recommendation should be from an agency point of contact if a sponsoring agency is involved. Sponsorship does not necessarily imply financial support, but it rather, focuses on the provision of a project and access to data, information, and means to apply and test a solution. A personal or telephone interview of the applicant with the Graduate Program Director will be required.

The minimum eligibility requirements for regular admission to the Doctor of Engineering program are engineering experience of at least two years within the last five years and a master's degree with a grade point average of 3.50 out of 4.00 in an appropriate field from an accredited institution of higher education.

### Degree Requirements

The requirements for the Doctor of Engineering degree are as follows:

1. Satisfactory completion of a minimum of 48 credit hours of approved graduate work beyond the master's degree, including the doctoral project.
2. Satisfactory performance on a diagnostic examination at the completion of nine credit hours of coursework. The purpose of this examination is to determine if the student has an adequate background to pursue a doctoral degree.
3. Satisfactory completion of a written and oral candidacy examination. The student will take the candidacy examination when he/she is within six credit hours of completing all the required coursework.
4. Preparation and successful defense of a project concept proposal. The student will be required to prepare and present a concept proposal related to the work that will be undertaken for the doctoral project. The concept proposal will be defended before the doctoral committee.
5. Submission of progress reports, as deemed necessary by the doctoral committee.
6. Written report of the project results. The doctoral project shall be documented in a manner consistent with advanced, professional work. The project report will follow the standard format for Old Dominion University dissertations and theses.
7. Comprehensive oral defense of the doctoral project before the student's doctoral committee and a general audience.



The Frank Batten College of Engineering and Technology is dedicated to being a dynamic force in the field of engineering locally, regionally and internationally through top-notch academics, community outreach and innovation. The engineering college was recently ranked in the Top 100 in the country for research and development expenditures by the National Science Foundation.

Graduates from the Frank Batten College of Engineering and Technology are highly sought-after by industry and government. Through our distinctive degree programs, world-class research opportunities and partnerships with industry, we offer a unique classroom experience guaranteed to give you the tools for success.

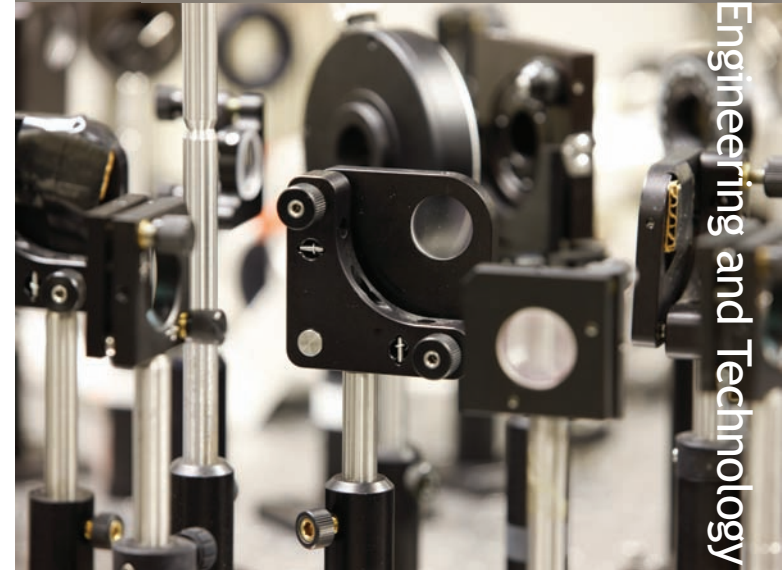
Old Dominion UNIVERSITY

*For more information, contact:*

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Or visit us on the Web at:  
[www.eng.odu.edu](http://www.eng.odu.edu)

# Doctor of Engineering



## A Doctoral Degree for Engineering Professionals