



Graduate Certificate in Engineering Leadership and Innovation Management



PennState
World Campus

A world of possibilities.
Online.

Graduate Certificate in Engineering Leadership and Innovation Management

Today's engineers are increasingly required to work across cultural boundaries, lead technical teams more effectively, advocate for internal innovation, and discover new business opportunities. To bridge the gap between industry needs and engineering education, this 12-credit online graduate certificate, delivered through Penn State World Campus in partnership with the College of Engineering, can help you develop the knowledge and skills that employers value highly in engineering professionals.

You may be able to apply the credits earned in this certificate toward other graduate programs. Please visit the website for the most up-to-date information.

If you have a bachelor's degree and relevant work experience in engineering, science, or a related discipline, and are looking to move your engineering career forward, this certificate could be an excellent addition to your résumé.



“We have designed these courses specifically to address the needs of the engineer of the future. Our courses focus on nontechnical concepts related to leading technical projects and managing innovation, skills needed to compete in today's global environment and advance in the field of engineering.”

—Dena Lang, Ph.D.

**Associate Director of Engineering Leadership
Development Graduate Programs
College of Engineering
School of Engineering Design, Technology,
and Professional Programs**

“Recently becoming a first-time manager of a newly developed group, I couldn’t have picked a better time to take this level of course work. I am constantly using what I’ve learned in my day-to-day efforts and big-picture planning.”

—Mark Guthrie

Courses

To earn the 12-credit graduate certificate, you must successfully complete these four courses:

ENGR 405—Project Management for Professionals (3 credits)

Covers the essential concepts and skills needed to make effective contributions on projects, on time and within budget.

ENGR 501—Engineering Leadership for Corporate Innovation (3 credits)

Traditional and contemporary leadership theory is analyzed to determine effective strategies for leading projects and innovation within an engineering context.

ENGR 802—Engineering Across Cultures and Nations (3 credits)

Explores cultural differences and impact on business practices and team dynamics working on virtual project teams with global partner universities.

ENGR 804—Engineering Product Innovation (3 credits)

Develop competencies for leading new product/process development or participating in corporate spin-outs using entrepreneurial skills within a corporation.

For more details about the certificate, visit:
worldcampus.psu.edu/engleader



Begin Your Application Today

To pursue the online Graduate Certificate in Engineering Leadership and Innovation Management, you will first need to complete an online Graduate School Application Form, found by clicking on the “Apply Now” link from the program overview page at: worldcampus.psu.edu/engleader

To enroll in this graduate certificate program, you must hold a baccalaureate degree from a regionally accredited institution with credits substantially equivalent to those required by Penn State.

The following materials are also required as part of the application process:

- › official transcripts from each higher education institution attended
- › résumé
- › personal statement
- › two references
- › TOEFL or IELTS score, if applicable

GRE scores are not required.

For the most up-to-date information about these application materials and deadlines, visit: worldcampus.psu.edu/engleader

Program Benefits

- › Learn through convenient online courses taught by the same experienced faculty who teach on campus.
- › Enhance your résumé with a respected certificate from an accredited university.
- › Stand out in a competitive job market; acquire a skill set valued across a wide range of industries.



Online Learning— Study Where and When It Suits You

Penn State World Campus created this certificate to provide you with flexibility so you can complete your courses when and where it is most convenient for you. As a student, you can tailor the course schedule according to your own pace and needs, but your courses will have the same rigor you would expect from any Penn State program.

Your learning experience will be supported by frequent interaction with faculty and other students, access to information and instructional resources, and valuable academic advising and dedicated support services.

After you have successfully completed the requirements for this program, you will receive a certificate that is identical to the one received by any Penn State resident student, with no mention of online or distance education.

Contact Us

To learn more about the Engineering Leadership and Innovation Management Graduate Certificate, offered in partnership with the College of Engineering, contact:

College of Engineering

School of Engineering Design, Technology,
and Professional Programs
213G Hammond Building
University Park, PA 16802

Email: ENGRLeadership@engr.psu.edu

For more information, visit:

worldcampus.psu.edu/engleader



PennState
World Campus



@psuworldcampus



@PSUWorldCampus



Penn State World Campus



@pennstateworldcampus

This publication is available in alternative media on request.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. Produced by Outreach and Online Education Marketing U.Ed. OUT 19-WC-0455/sms/smb Copyright © 2018 The Pennsylvania State University