

PROFESSIONAL MASTER'S PROGRAM ELECTRICAL ENGINEERING

UW来了, 全球TOP8名校网络面对面
北京时间 12月12号 10 a.m.
Join us for an information session to learn more!
注册链接:
<https://bit.ly/33zBX2J>



PROFESSIONAL DEVELOPMENT

Coursework focuses on cutting-edge research themes and applications for professional growth.



PREMIER INSTITUTION

The University of Washington's Electrical and Computer Engineering is recognized as a leading academic department.



FLEXIBLE DEGREE

PMP offers evening courses allowing full-time students the flexibility to build their career by pursuing capstone projects and internships during the day.



TOP COMPANIES

PMP students come from and go on to work for some of the biggest companies from around the world, including Boeing, Microsoft and Amazon.

PMP PREPARES STUDENTS FOR NEW POSSIBILITIES

The University of Washington Electrical Engineering Professional Master's Program (PMP) focuses on modern technical topics and the latest university research, giving students the expertise needed to drive innovation. The program is designed for recent graduates, as well as professionals already working in the field. PMP offers courses on systems, controls and robotics; electromagnetics; signal, image and video processing; embedded systems; machine learning; microelectromechanical systems; and wireless communications.

CONTACT US

pmp@ece.uw.edu

APPLICATION DEADLINES

JANUARY 5: EARLY DEADLINE

MAY 15: REGULAR DEADLINE

APPLICATION INFO

www.ece.uw.edu/academics/pmp/admissions/

Address: 185 Stevens Way, Seattle WA 98195

Phone: 206-221-5270

Email: pmp@ece.uw.edu

Website: <http://www.ece.uw.edu/academics/pmp/>



ELECTRICAL & COMPUTER
ENGINEERING



"This program offered immense opportunities for me. I was able to pursue higher education, gain a deeper insight into my areas of interest within electrical and computer engineering and explore the endless potential of embedded systems, while building my career"

DHRUV SAKSENA, PMP graduate

SAMPLE COURSEWORK IN PMP

DEEP LEARNING

Reviews the basics of deep neural networks, and their applications to various AI tasks ranging from language understanding, and speech and image recognition, to machine translation, planning, game playing, and autonomous driving. Begins with MLPs and progresses into concepts such as attention and sequence-to-sequence models. Utilizes PyTorch, Kaggle, and other tools to explore multiple architectures and build Deep Learning models.

THE SELF-DRIVING CAR – INTRODUCTION TO AI FOR MOBILE ROBOTS

Provides an introduction to control, perception, and state estimation for mobile robots. Reviews the implementation of algorithms that allow robots to autonomously navigate through their environment. Applies concepts learned in lecture to a mini race car platform in order to develop a self-driving vehicle.

WIRELESS NETWORKS FOR 4G/5G

Introduction to selected topics in 4G/5G oriented wireless communication networks. Reviews principles and design fundamentals of two major broadband wireless network technology standard families: 802.11 WLANs and LTE/LTE-Advanced.

MICROFABRICATION

Covers principles and techniques for the fabrication of micro and nanoscale integrated circuits and Micromechanical Systems (MEMS). Emphasizes fabrication best practices, chemical safety, layout and mask making, photolithography, wet and dry etching, and dielectric and metal deposition using high vacuum and plasma processing equipment. Highlights process integration and troubleshooting. Laboratories held in the state of the art Washington Nanofabrication Facility.

MOBILE APPLICATIONS FOR SENSING AND CONTROL

Development of mobile applications that make use of the sensing and control capabilities of modern smartphones; programming concepts for mobile application development; extraction and interpretation of sensor data from sensors on and off the phone; simple control based on sensor data.

Address: 185 Stevens Way, Seattle WA 98195

Phone: 206-221-5270

Email: pmp@ece.uw.edu

Website: <http://www.ece.uw.edu/academics/pmp/>



**ELECTRICAL & COMPUTER
ENGINEERING**