Veterans Electrical Engineering Program

Begins Spring 2012  Visit ewu.edu/cshe
Veterans Electrical Engineering Program

Eastern’s ABET* accredited Bachelor of Science Electrical Engineering program has now been carefully combined with strategies specifically designed for veterans’ success. We provide a quality education with dedicated instructors, a state of the art facility, and a commitment to enlivening theory with practice. Now, for the benefit of veterans, we have added team based learning communities, specialized tutoring, individual mentoring, and a Veterans Only Bridge Program.

You complete a calculus and physics series that refines your problem solving skills, strengthens your cohesion as a learning community, and forms the theoretical basis for all engineering coursework.

Engineering coursework continues in earnest
Fundamental coursework in electric and electronic circuits theory forms the basis for all further study in electrical engineering. Learn how to use ideal basic circuit elements as the fundamental building blocks to design microelectronic systems such as cell phones, amplifiers, oscillators, filters and transceivers. The emphasis is always on developing a systematic approach for creating new engineering solutions.

Your study of Digital Circuits continues with a top-down exploration of computing and embedded systems. Both high and low level programming languages as well as hardware design language principles are more fully developed. Study in this area concludes with a two-course sequence specifically focused on design considerations for increasing complex systems.

Begin your exploration of power and energy systems
After this series of courses in how electrical energy gets generated, transmitted and distributed, you will be ready to help deploy the new smart grid. Learn how to integrate alternative power sources, manage power flow, maximize transmission efficiency, and create a feedback system through bi-directional metering and power-line networking.

You will finish your engineering coursework with an integrative, group project based, capstone class.

Class schedule subject to change without notice.

*The Electrical Engineering curriculum is accredited by the Engineering Accreditation Commission (EAC) of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4102.

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