



BUILDING YOUR CAREER IN POWER AND ENERGY

Are you interested in alternative energy and the power distribution systems? Did you enjoy either EELE355, Energy Conversion devices, or EELE321 Controls? Maybe your career path includes Power and energy.

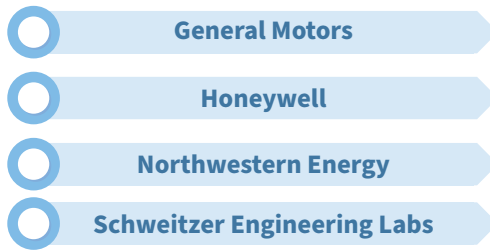
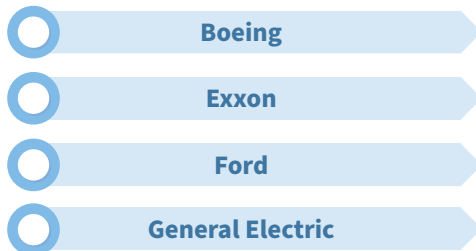
WHAT IS THE FOCUS OF POWER AND ENERGY?

A vast network of power plants, transmission lines and distribution centers make up the U.S. electrical power grid. Electrical engineers are improving the network by designing additional infrastructure while constantly monitoring and balancing the supply and demand of energy that powers homes and industries throughout the country.

WHICH INDUSTRIES USE POWER AND ENERGY?

All the power utility companies across the country as well as those designing new solar, wind and electrical substations have a need for electrical engineers who wish to work in power. Another growing area is automobile manufacturers, as they continue to electrify their products.

HERE ARE A FEW COMPANIES THAT FREQUENTLY HIRE MSU GRADUATES WITH POWER AND ENERGY EXPERTISE



ADVISERS FOR CAREERS IN POWER AND ENERGY

Dr. Hongwei Gao, hgao@montana.edu

Dr. Steve Shaw, sshaw@montana.edu

Dr. Shamsun Edib, shamsunnahar.edib@montana.edu

FOR ADDITIONAL INFORMATION, CONTACT:

Montana State University

Department of Electrical & Computer Engineering

610 Cobleigh Hall Bozeman, MT 59717-3780

406-994-2505

Fax: 406-994-5958

ecedept@ece.montana.edu

EE ADVISING GUIDE: POWER AND ENERGY

LAUNCH-PAD COURSES FOR CAREERS IN POWER AND ENERGY



POWER AND ENERGY

EELE 355	Energy Conversion Devices (3 credits)	Spring	<input type="checkbox"/>
EELE 408	Photovoltaics (3 credits)	Spring	<input type="checkbox"/>
EELE 451	Power Electronics (3 credits, alternating even years)	Spring	<input type="checkbox"/>
EELE 454	Power System Analysis and Design (3 credits)	Spring	<input type="checkbox"/>
EELE 455	Alternative Energy Power Generation (3 credits)	Fall	<input type="checkbox"/>
EELE 422	Introduction to Modern Controls (3 credits)	Fall	<input type="checkbox"/>



RELEVANT NON-ECE ELECTIVES

EGEN 325	Engineering Economic Analysis (3 credits)	Spring	<input type="checkbox"/>
EGEN 330	Business Fundamentals for Technical Pros (3 credits)	Fall/Spring	<input type="checkbox"/>
ECNS 101IS	Economic Way of Thinking (3 credits)	Fall/Spring	<input type="checkbox"/>
ECNS 204	Microeconimcs (3 credits)	Fall/Spring	<input type="checkbox"/>

DID YOU KNOW?

The largest percentage of MSU graduating seniors in electrical engineering go to work in the power and energy industries.