

ENERGY MANAGEMENT

Overview

Degrees Offered: BAS

Program Begins: Fall, Spring

Delivery Method: Online

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Description

The Bachelor of Applied Science (BAS) in Energy Management is designed for people employed in the energy industry who are interested in advancing their career as a supervisor or manager. Curriculum includes general education and energy management courses. Classes begin every eight weeks throughout the fall and spring semesters.

Preparation

To enroll, a student must have completed an Associate in Applied Science degree, Program Certificate, Diploma or an approved energy-related program from an accredited institution. Previous college coursework, along with industry experience and/or military training, may be considered to determine eligibility. Refer to the Program Admission (p. 1) tab for additional admission requirements.

Computer Requirements

All BSC courses use a Learning Management System (LMS) called Blackboard. Chromebooks, Chrome OS devices, iPads, and mobile devices (iOS, Android phones, tablets) do not allow students to satisfactorily access and complete course content.

Please refer to the Computer Specifications for BSC students.

Program Requirements

Students who complete the curriculum requirements receive a Bachelor of Applied Science degree in Energy Management.

Career Opportunities

The Bachelor of Applied Science was developed in response to the nation's and the industry's ever-increasing need for highly trained energy workers and for those seeking advancement in their careers. The energy industry is encouraging continued education for industry employees who want to be considered for the many supervisory and management positions soon to be vacated by a large number of retirees.

Additional Information

BSC's National Energy Center of Excellence was designated as the National Power Plant Operations Technology and Education Center by U.S. Energy Secretary Samuel W. Bodman in 2007. This official designation recognizes BSC as the premier national center of education and training for operators and technicians in the energy industry.

College Admission

Review BSC's How to Apply page and complete the college admission requirements.

Program Admission

To enroll, a student must have completed an Associate in Applied Science degree, Program Certificate, or Diploma in Electric Power Technology, Electrical Transmission Systems Technology, Energy Services & Renewable Technician, Environmental and Safety Regulations, Industrial Automation & Robotics, Instrumentation & Control Technology, Lineworker, Mechanical Maintenance Technology, Nuclear Power Technology, Petroleum Production Technology, Power Generation Technology, Power Process Technology, Process Technology, Water & Wastewater Technology or an approved energy-related program from an accredited institution.

Previous college coursework, along with industry experience and/or military training, may be considered to determine eligibility.

Degree Plans

- Energy Management Bachelor of Applied Science

Program Learning Outcomes

Upon graduation, Energy Management students will be able to:

- Demonstrate an understanding of the ethical and moral responsibilities of Energy Managers in the workplace.
- Demonstrate competence in effective communication and team assessment to facilitate teamwork and team performance across cultures, businesses and team levels.
- Apply Environmental, Health and Safety (EHS) policies, and identify government regulations and compliance issues that affect the energy industry.
- Apply economic and finance principles to analyze and interpret costs and assess risk management related to oil and gas Industry, electric power and renewables.
- Demonstrate competence in applying project management principles, knowledge of human resource management, employee supervision, leadership, motivation and organizational change.