

PROGRAM STRUCTURE

Credit hours and courses required for successful completion of the BSEE program.

Course	No. of Courses	Credit Hours
Core	24	60
College	4	10
Major	18	63
Electives	2	6
TOTAL	48	139

DEGREE PLAN



FACTS ABOUT THE PROGRAM

- ↳ ABET Accredited program
- ↳ State-of-the-art laboratories
- ↳ Highly qualified and experienced faculty

ADMISSION REQUIREMENTS

- ↳ Completed online application.
- ↳ Secondary school certificate or equivalent.
- ↳ General Aptitude Tests (Qudrat) or equivalent (SAT1)
- ↳ Standard Achievement Admission Test (SAAT- Tahseely) or equivalent (SAT2)
- ↳ PMU English Placement Test or valid IELTS certificate (Academic version) / TOEFL iBT with acceptable scores.



HOW TO APPLY

- Apply Online → Receive verification email
- Complete your online application → Receive Acceptance
- Pay the 1st installment



APPLY



PAY

ADMISSIONS OFFICE

enrollment@pmu.edu.sa

800 1230 123 +966 13 849 8880

IE/GM/BMP/COE Flyer 0035-2022



جامعة الأمير محمد بن فهد
PRINCE MOHAMMAD BIN FAHD UNIVERSITY

ELECTRICAL ENGINEERING



كلية الهندسة
COLLEGE OF ENGINEERING



WANT MORE INFO?
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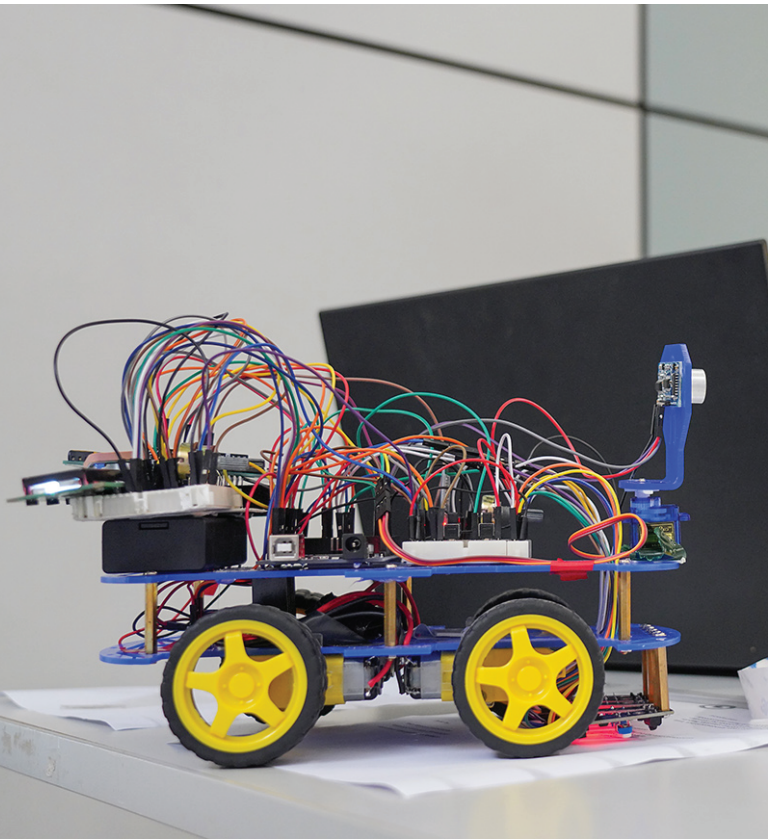


The Electrical Engineering program at PMU is accredited by The Accreditation Board for Engineering and Technology, Inc.

INTRODUCTION

The BS degree program (BSEE) offered by the Electrical Engineering (EE) department is one of the widely sought after programs at PMU. Its top-quality curriculum meets international standards and provides both breadth and depth of knowledge for its graduates, making it one of the first programs at PMU accredited by ABET (Accreditation Board for Engineering and Technology) INC USA in the year 2016.

The BSEE program is a 139 credit-hour program allowing students to major in either Electric Power systems or Communication systems. With highly qualified faculty and state of the art laboratories, the BSEE program prepares its graduates with a thorough technical background as well as hands-on practical skills making them ready to enter the industry or to pursue graduate studies and research.



PROSPECTIVE STUDENTS

The EE department welcomes high school graduates with interest in math and science, a passion for technology and innovation, and an inquisitiveness for how things work, to apply to the BSEE program. The EE department at PMU offers prospective students the following:

- ↳ Innovative, technology-based and student-centered learning environment.
- ↳ Top quality programs and curricula that caters to current market demands and also meets future challenges.
- ↳ Comprehensive curriculum that prepares students for all EE disciplines.
- ↳ Small class sizes and well equipped teaching and research laboratories.
- ↳ Internationally recognized faculty for their experience and research.
- ↳ Collaboration with local industry hubs through internship & applied research projects.

PROGRAM OBJECTIVES

- ↳ Prepare graduates for careers as engineering professionals and/or for graduate studies.
- ↳ Enable graduates to pursue state of the art solutions to engineering problems and to evaluate and embrace new technologies.
- ↳ Enable graduates to develop professional and ethical responsibilities in their careers and to engage in self-learning activities.
- ↳ Prepare graduates to undertake leadership roles in industry and to proactively participate in the development of their communities.

PROGRAM LEARNING OUTCOMES

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

CAREER OPPORTUNITIES

After graduation, numerous employment opportunities are available in:

- ↳ Electrical engineering industry
- ↳ Electrical utilities and Energy sector
- ↳ Telecommunications sector

Graduates from EE program find careers in major companies within KSA (ARAMCO, SABIC, STC, SEC, SADAF and many other businesses.)