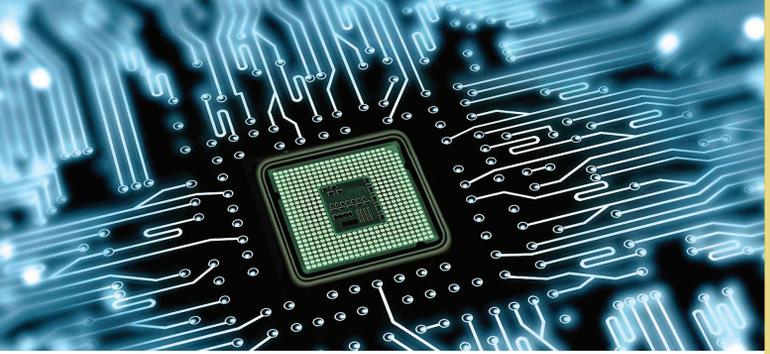


PROGRAM STRUCTURE

Course	No. of Courses	Credit Hours
Core	26	70
College	9	29
Major	7	24
Electives	4	12
TOTAL	**46**	**135**

DEGREE PLAN

FACILITIES

Smart classrooms with Blackboard, Smartboard and Banner.

Labs: Sun, Electronics, Circuits, Robotics, Arduino, Cloud Computing. Android, iOS.

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/CCES Flyer 0030-2022

جامعة الأمير محمد بن فهد

PRINCE MOHAMMAD BIN FAHD UNIVERSITY

COMPUTER ENGINEERING

كلية هندسة وعلوم الحاسب الآلي

COLLEGE OF COMPUTER ENGINEERING AND SCIENCE

WANT MORE INFO?

PMU.edu.sa

@PMUOFFICIAL @PMU_KSA

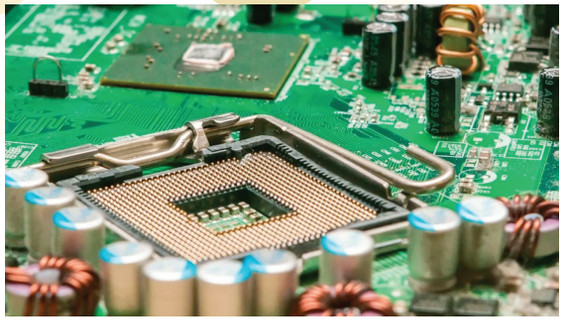
+966 13 849 8835 / +966 13 849 9711

cces@pmu.edu.sa

ABET Computing Accreditation Commission

The Computer Engineering program at PMU is accredited since 2017 by The ABET Engineering Accreditation Commission (EAC), USA.

INTRODUCTION



Computer Engineering is one of the departments under the College of Computer Engineering and Science at PMU. The Department started the first intake in spring 2006.

Computer Engineers are responsible for developing many of the technological advances that we take for granted. Computer engineers design, develop, and supervise the manufacturing of hardware, software, and networks in computer systems.

WHY COMPUTER ENGINEERING?

The program teaches design concept of computer systems with hands-on experience. In addition to hardware design, the program is complemented with software concepts.

Computer Engineering discipline with its various courses is becoming independent of Electrical Engineering curriculum as well as Computer Science curriculum. It helps students acquire knowledge of digital hardware with the design of software needed to operate the hardware components.

Computer Engineering students can specialize for their master's degree in Communications, Networks, Embedded systems, Computer Vision, VLSI Design and Signal Processing. In terms of career prospects, they can opt for both software and hardware jobs since they possess both these skills.

PROGRAM OBJECTIVES

- Graduates will pursue successful careers as engineering professionals and/or undertake graduate studies
- Graduates will pursue state-of-the-art solutions to Computer engineering problems, and evaluate and embrace new technologies
- Graduates will demonstrate professional and ethical responsibilities in their careers and engage in self-learning activities
- Graduates will undertake leadership roles in industry and make positive impact in the development of their communities

PROGRAM OUTCOMES

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- 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
- An ability to communicate effectively with a range of audiences
- 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
- 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
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

CAREER OPPORTUNITIES

Potential careers of the CE Graduate:

- Computer Network Engineer
- Software Design
- Digital Signal and Image Processing
- Integrated Circuit Design
- Internet Applications Development
- Robotics and Automated Manufacturing
- Wireless Communication and Telecommunication Engineer

CERTIFICATION PREPARATION

paloalto NETWORKS

CISCO

Microsoft

EC-Council Accredited Training Center