

Program Educational Objectives

The Bachelor of Science in Computer Engineering aims to produce well-educated and globally competitive computer engineering professionals for Qatar, the region, and the wider world. The program strives to be one of the top, sought-after academic programs through its multidisciplinary aspects, collaboration with different world-class institutions, and the excellence of its faculty, staff, students, and facilities.

The Program Educational Objectives (PEOs) of the Computer Engineering program at HBKU, which describe what the program graduates are expected to attain within a few years after graduation, are as follows:

1. Demonstrate mastery of computer engineering fundamentals in practical industrial settings and continue to develop creative design skills and technical depth to solve problems in a diverse range of professional careers;
2. Maintain their intellectual development through continuous learning such as professional development and graduate education;
3. Demonstrate effective teamwork, leadership, and communication skills in practical industrial settings; and
4. Practice their career with a high degree of professional ethics, and contribute to the local and professional communities.

Student Outcomes

The Computer Engineering program faculty has adopted the ABET student outcomes, and the program is committed to providing an educational experience in which students who successfully complete the program attain the following:

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

Annual Student Enrollment

The table below highlights student enrollment and graduation numbers since the Computer Engineering program's inception in 2015.

Year	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
Students Enrolled	17	31	32	40	45
Students Graduated				2	8 (expected)