Computer Science Program

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What will you need to graduate?

♦ A Grade Point Average of 2.0 or higher
♦ A Major Point Average of 2.0 or higher
♦ A total of 126 credits

These credits consist of:
♦ 21 credit hours of General Education
♦ 59 credit hours of Computer Science courses
♦ 34 credit hours of mathematics and Science courses
♦ 12 credit hours of free electives and valuing courses

Mission

To prepare globally competent professionals in computing-related industrial and academic fields.

Program Educational Objectives

The Computer Science program will produce graduates who will:
♦ Engage in productive careers in a broad range of computer science areas, such as software development, database systems and networking, and/or obtain an advanced degree
♦ Apply the core knowledge of the discipline, teamwork and communication skills to solve problems and build computing systems of varying levels of complexity to meet customer business objectives in local, regional or global markets
♦ Practice their profession ethically, and remain current and involved as full participants in our profession and our society

http://cs.gust.edu.kw
Student Outcomes

Upon graduation, a GUST graduate in Computer Science should demonstrate the following:

- An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
- An ability to design, implement, and evaluate a computer-based system, process component, or program to meet desired needs.
- An ability to function effectively on teams to accomplish a common goal.
- An understanding of professional, ethical, legal, security and social issues and responsibilities.
- An ability to communicate effectively with a range of audiences.
- An ability to analyze the local and global impact of computing on individuals, organizations, and society.
- Recognition of the need for and an ability to engage in continuing professional development.
- An ability to use current techniques, skills, and tools necessary for computing practice.
- An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices.
- An ability to apply design and development principles in the construction of software systems of varying complexity.

Why Study Computer Science?

- If you want to understand what computing is all about, then a Computer Science degree is for you.
- The program focuses not just on how to use computers, but on the underlying theory of computing: what is possible with computers and how it can be done in the best possible way.
- According to CNNmoney.com, seven out of the top “Best jobs in America” are in computing.

Career Prospects

Many of our graduates proceed straight into well-paid careers such as:

- Computer Programmer
- Software Developer
- Systems Analyst
- Software Engineer
- Web Designer
- Database Analyst/Developer/Administrator
- Network Engineer/Administrator
- Games Developer
- IT Consultant

Why GUST?

- Affiliation with University of Missouri at St. Louis (U.S.A.)
- Accredited and recognized academic program
- Outstanding faculty
- Development for professional certificates (e.g., CISCO, Microsoft)
- State-of-the-art building and sport facilities
- State-of-the-art computer technology and library facilities
- Attractive campus environment

What are the entry requirements?

- A high school diploma specializing in the secondary school science or math curriculum with a minimum GPA of 60 percent
- Passing the English and Mathematics placement tests

Student admission requirements to Gulf University for Science & Technology (GUST) can be found at:

https://www.gust.edu.kw/admission_registration