SCHOOL OF COMPUTING AND ENGINEERING

Communications and Computing & Engineering Building

203-582-7985 (central office)

Administrative Officers

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Dean	Taskin Kocak	203-582-7829	taskin.kocak@qu.edu
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Programs

Program	Name	Phone	Email
Civil Engineering	John Greenleaf	203-582-5018	john.greenleaf@qu.edu
Computer Science-BA	Jonathan Blake	203-582-8539	jonathan.blake@qu.edu
Computer Science-BS	Christian Duncan	203-582-3817	christian.duncan@qu.edu
Computer Science-MS	Christian Duncan	203-582-3817	christian.duncan@qu.edu
Cybersecurity	Frederick Scholl	203-582-7394	frederick.scholl@qu.edu
Mechanical Engineering	Lynn Byers	203-582-5028	lynn.byers@qu.edu
Industrial Engineering	Justin Kile	203-582-3372	justin.kile@qu.edu
Software Engineering	Jonathan Blake	203-582-8539	jonathan.blake@qu.edu
Certificate - Engineering Management	Justin Kile	203-582-3372	justin.kile@qu.edu
Certificate - Lean Six Sigma, Green Belt	Justin Kile	203-582-3372	justin.kile@qu.edu
Certificate - Six Sigma, Black Belt	Justin Kile	203-582-3372	justin.kile@qu.edu
Badge - Ethical Hacking and Penetration Testing	Frederick Scholl	203-582-7394	frederick.scholl@qu.edu

Career Development

In the School of Computing and Engineering, various career development personnel work with students to plan the academic and professional components of each student's education. They explore career interests, guide students through a career development process and provide assistance with internships, resume preparation and employment interviews.

Internship Program

School of Computing and Engineering students gain valuable career experience by participating in a professional experience. The professional experience may be either an internship, typically paid, or a research project.

Mission Statement

Educate and inspire students in a high-quality computing and engineering learning community that facilitates their transformation into professionals, leaders, citizens and lifelong learners.

Student Outcomes

Graduates of the engineering programs are prepared for professional practice in engineering and industry as well as for advanced study at the graduate level. Specifically graduates of the engineering programs will have:

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

Graduates of the computer science program are prepared for professional practice as well as advanced study at the graduate level. Specifically graduates of the computer science program will have an ability to:

1. analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions
2. design, implement and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline
3. communicate effectively in a variety of professional contexts

4. recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles
5. function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline
6. apply computer science theory and software development fundamentals to produce computing-based solutions

Bachelor of Science

- Bachelor of Science in Civil Engineering (http://catalog.qu.edu/engineering/engineering/civil-engineering-bs/)
- Bachelor of Science in Computer Science (http://catalog.qu.edu/engineering/engineering/computer-science-bs/)
- Bachelor of Science in Industrial Engineering (http://catalog.qu.edu/engineering/engineering/industrial-engineering-bs/)
- Bachelor of Science in Mechanical Engineering (http://catalog.qu.edu/engineering/engineering/mechanical-engineering-bs/)
- Bachelor of Science in Software Engineering (http://catalog.qu.edu/engineering/engineering/software-engineering-bs/)

Bachelor of Arts

- Bachelor of Arts in Computer Science (http://catalog.qu.edu/engineering/engineering/computer-science-ba/)

Master of Science

- Computer Science (http://catalog.qu.edu/graduate-studies/engineering/ms-computer-science/)
- Cybersecurity (http://catalog.qu.edu/graduate-studies/engineering/cybersecurity/)

Minors

- Minor in Artificial Intelligence (http://catalog.qu.edu/engineering/engineering/ai-minor/#text)
- Minor in Computer Science (http://catalog.qu.edu/engineering/engineering/computer-science-minor/)
- Minor in Manufacturing (http://catalog.qu.edu/engineering/engineering/manufacturing-minor/)

Dual-Degree Programs

- Accelerated Dual-Degree Bachelor's/Master's (http://catalog.qu.edu/engineering/engineering/accelerated-four-year/) (3+1)
- Dual-Degree BA/MS or BS/MS in Cybersecurity (http://catalog.qu.edu/engineering/engineering/cyber-dual-degree/) (4+1)

Double-Degree Program

- Double-Degree BS in Industrial Engineering and BS in Health Science Studies (http://catalog.qu.edu/health-sciences/health-science/health-science-studies-bs/hss-ie-double-major/)

Micro-Credentials and Badges

- Ethical Hacking and Penetration Testing (http://catalog.qu.edu/graduate-studies/engineering/badge-ethical-hacking-penetration-testing/)

Certificate Programs

- Certificate in Engineering Management (http://catalog.qu.edu/engineering/engineering/engineering-management/)
- Certificate in Lean Six Sigma – Green Belt (http://catalog.qu.edu/engineering/engineering/lean-six-sigma/)
- Certificate in Six Sigma – Black Belt (http://catalog.qu.edu/engineering/engineering/lean-six-sigma-black/)