

# SCHOOL OF ENGINEERING

## Center for Communications and Engineering

203-582-7985 (central office)

### Administrative Officers

Title	Name	Phone	Email
Interim Dean	Lynn Byers	203-582-5028	lynn.byers@qu.edu
Associate Dean	Corey Kiassat	203-582-5020	corey.kiassat@qu.edu
Director of Career Development	John Bau	203-582-7434	john.bau@qu.edu
Director of Operations and Technology	Richard G. Brownell	203-582-3653	richard.brownell@qu.edu

### 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
Cybersecurity	Frederick Scholl	203-582-7394	frederick.scholl@qu.edu
Mechanical Engineering	Mary Phillips Ho	203-582-5026	mary.ho@qu.edu
Industrial Engineering	Emre Tokgoz	203-582-7909	emre.tokgoz@qu.edu
Software Engineering	Jonathan Blake	203-582-8539	jonathan.blake@qu.edu
Lean Six Sigma Certificate-Green Belt	Emre Tokgoz	203-582-7909	emre.tokgoz@qu.edu
Six Sigma Certificate - Black Belt	Emre Tokgoz	203-582-7909	emre.tokgoz@qu.edu

## Career Development

In the School of 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 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 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 to 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/>)

## Minors

- Minor in Computer Science (<http://catalog.qu.edu/engineering/engineering/computer-science-minor/>)

## Dual-Degree Program

- 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/biomedical-sciences/health-science-studies-bs/hss-ie-double-major/#text>)

## Master of Science

- Cybersecurity (<http://catalog.qu.edu/graduate-studies/engineering/cybersecurity/>)

## Certificate Programs

- 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/>)