



## Tips for Requesting Employer Sponsorship

One of the ways that students fund their degree program is through employer sponsorship. Speak to your employer to see if they offer education or tuition benefits.

Beyond funding, employers can support your advanced education goals by adding flexibility to your schedule or providing new challenges and opportunities to take advantage of your growing skill set. This tip sheet offers you some information to help you request employer support for the Master of Science in Computer Engineering program from Syracuse University.

### HOW TO SHAPE YOUR SPONSORSHIP REQUEST

#### **SCHEDULE AN APPOINTMENT.**

Plan a meeting with your supervisor or human resources representative. In this preliminary meeting, you should be prepared to discuss the program and identify reasons why you want to earn this degree.

#### **DO YOUR RESEARCH.**

See if your company has an educational benefits program or has sponsored individuals in the past. Familiarize yourself with these efforts before meeting with your supervisor.

#### **FRAME YOUR ARGUMENT.**

Consider why you want to pursue your master's degree and make a list of the reasons why earning your degree will make you more valuable to your organization. Be sure your objectives and reasoning are clear and that you are prepared to discuss your plans.

#### **DEMONSTRATE YOUR VALUE.**

Think about key issues your department/company is currently facing and align your skill development in the program with these key issues.

#### **DRIVE ACTION.**

Let your employer know that they can speak with an Engineering@Syracuse Admissions Counselor if they have questions about the program or about the application process.



## Program Overview

Established in 1901, the College of Engineering and Computer Science has built a vibrant community of leaders with a reputation for responsiveness in meeting regional, national, and global needs.

Syracuse University has been designated by the National Security Agency and Department of Homeland Security as a Center of Academic Excellence in Information Assurance Education (CAEIAE) since 2001 and as a Center of Academic Excellence in Information Assurance Research (CAE-R) since 2009.

## MASTER OF SCIENCE IN COMPUTER ENGINEERING

The M.S. in Computer Engineering curriculum focuses on building the necessary skills to keep up with new and emerging technologies, including:

- Operations analysis to create designs according to needs and product requirements
- Active learning to grasp the implications of new information for problem-solving and decision-making
- Judgment and decision-making for considering the costs and benefits of potential actions

## Curriculum Overview

The 30-36 credit M.S. in Computer Engineering program can be completed in as little as 15 months.

### PREPARATORY COURSEWORK

- Data Structures and Algorithms
- Computer Organization & Operating Systems

### CORE COURSEWORK

- Computer Security
- Internet Security
- Advanced Computer Architecture
- Advanced Data Structures and Algorithms

### ELECTIVES

- Object Oriented Programming C++
- Software Engineering
- Android Programming
- Object Oriented Design
- Fundamentals of Data and Knowledge Mining
- Introduction to Cryptography
- Machine Learning
- Principles of Operating Systems

## Student Experience

No matter where you are in the world, Engineering@Syracuse offers you the same degrees as students who attend on campus. As a student in the program, you will experience:

- **A robust online learning experience.** Through live online classes, multimedia coursework, collaborative group projects, and hands-on learning opportunities, Engineering@Syracuse combines the collaboration of an on-campus degree with the flexibility of an online program.
- **Face-to-face interaction.** Through weekly, webcam-enabled classes, students meet face-to-face for candid discussions. The small, intimate classes are led by College of Engineering and Computer Science instructors who are formally trained in the unique aspects of teaching online.
- **An on-campus immersion.** Students have the opportunity to collaborate with classmates and professors in person during immersive learning experiences. Students meet with peers, learn from industry experts, and participate in workshops.
- **Dedicated student support.** As part of the Syracuse University community, students have access to meaningful academic and career support from start to finish.