COMPUTER ENGINEERING (ONLINE PROGRAM), MS

Program Director

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Description

For students who want to expand their technical expertise beyond their undergraduate major, the Department of Electrical Engineering and Computer Science (EECS) offers Master of Science (M.S.) degree in computer engineering. EECS has a long and distinguished record of graduate education, with many of our graduates placed in key positions in industry. Graduates from our master's programs are well represented in such corporations as IBM, Google, Facebook, Microsoft, and Intel.

Admission

A bachelor's degree in Computer Engineering, Computer Science, or a STEM related field with a strong mathematics background from an accredited institution is required, with an average GPA of 3.0 or better. Core competency in Discrete Mathematics, Calculus, Data Structures, Computer Organization, and knowledge of programming languages (C, C++, Java, etc.) is preferred.

For international students: TOEFL computer-based score of 223 (Internet-based score 85; paper-based score 563) or better; GPA of 3.0/4.0 or better. Students with unique credentials might be considered with exceptions.

Learn More About the Online Computer Engineering Program

https://ecs.syracuse.edu/academics/electrical-engineering-and-computer-science/programs/computer-engineering-online-master-program (https://ecs.syracuse.edu/academics/electrical-engineering-and-computer-science/programs/computer-engineering-online-master-program/)

Degree

The M.S. in Computer Engineering requires students to complete 30 total credits including 12 credits of core courses and 18 credits of electives.

Transfer Credit

A maximum of 9 transfer credits for students admitted to the online programs. Transfer credits are certified after the students complete their course work requirements. Upon completion of course work, the College forwards the necessary paperwork to the Graduate School, which certifies any transfer credits (as well as the credits completed with us) prior to graduation.

Part-Time Study

This program is designed for students to be completed on a part-time basis.

Core Course Requirement

Each student's program must include:

Code	Title	Credits
CSE 661	Advanced Computer Architecture	3
CSE 664	Introduction to System-on-Chip Design	3
CSE 674	Advanced Data Structures and Algorithms	3
CSE 687	Object Oriented Design	3
Total Credits		**12**

Final Examinations

Candidates are required to complete the final examinations in all core courses with an average grade of B- or better.

Programs must include a minimum of 18 credits of CSE courses.

Satisfactory Progress

The student must maintain a cumulative total GPA of at least a 3.0 in those courses to be credited towards the M.S. degree, and a minimum cumulative total GPA of 2.8 in all graduate courses taken at Syracuse University. Students must complete the final examinations in all core courses with an average grade of B- or above.

Total Credits: 30

The Master of Science in Computer Engineering curriculum consists of 30 credit hours, 12 of which are from core courses, and the remaining credit hours are earned through elective courses.