

M.S. in Computer Science

Department of Computer Science
Robinson Hall
856-256-4805
www.rowan.edu/cs

Curriculum

To fulfill the M.S. degree, students must complete four courses from a list of core courses covering topics in:

- Advanced Algorithms
- Programming Languages Theory
- Advanced Software Engineering
- Operating System Design and Implementation
- Computer Architecture
- Computer Networks
- Advanced Database Systems
- Compiler Design Theory
- Advanced Cryptography
- Advanced Cyber Security

Students also must complete six program electives (selected from the set of over fifteen advanced topics that are currently offered). Students may choose to complete and defend a master's thesis in place of two to three program electives.

Certificates of Graduate Studies

In addition to a Master's degree in Computer Science, Rowan also offers several Certificates of Graduate Studies (COGS) in the following areas:

- cyber security;
- networks;
- software engineering;
- web development.

All of these programs are designed for graduates with a B.S. in Computer Science or a related field who are looking for further marketable skills – or for professionals already in the field who are looking for updated professional development.

For more information about the M.S. program, please contact:

Computer Science Department
856-256-4805
computerscience@rowan.edu



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About this program

The Master of Science in Computer Science is designed for individuals with a B.S. in Computer Science who are looking to expand their knowledge and opportunities. Students with a bachelor's degree in another discipline may also apply for the M.S. in Computer Science after meeting certain eligibility criteria.

Rowan features small class sizes where students do not have to compete for faculty attention. The M.S. in Computer Science degree can be completed as a full-time or part-time student. Most classes are offered in the evening to enable students to complete their degree while working.

How does this program prepare its graduates?

Graduates of the M.S. in Computer Science program have the skills and knowledge they need to excel in a variety of cutting edge technological fields.

Current trends in education, industry, research, business and government show employers actively seeking individuals with competitive Computer Science skills that enable companies to stay abreast of the newest technology.

M.S. in C.S. students complete a 30 credit-hour program – choosing a track with or without a thesis – to complete training in a program that will prepare them for a competitive and in-demand field.

Tuition reimbursement programs

Many companies have tuition reimbursement programs that provide for the M.S. or one of the Certificate of Graduate Studies programs.

Remarks from recent graduates

"The MS program in Computer Science allows you to work with professors who are as passionate about helping their students to learn as they are about the graduate-level topics that they teach."
– K. Dittmar, Rowan B.S./M.S. C.S. '16

"The Computer Science department at Rowan University offered not only mastery in coursework alone, but also real life instances to tackle from local and global companies."
– C. White, Rowan M.S. C.S. '14

"Rowan offered a good number of their graduate level courses in the evening to accommodate the working student, and being that most courses were offered one evening a week, I would not have to commute to campus multiple times. This allowed me to keep a good balance between work, school and life."
– K. Palazzo, Rowan M.S. C.S. '13

"The accelerated BS/MS program gave me the experience needed to succeed professionally. The faculty members are eager to help in any way possible and enjoy sharing their expertise with students"
– D. Taggart, Rowan B.S./M.S. C.S. '14

How can I apply?

Visit <http://www.rowanu.com/apply> to complete the application form. Applicants generally will need to have or provide:

- a B.S. degree (or its equivalent) in Computer Science or related field;
- official transcripts from all colleges attended (regardless of number of credits earned);
- a current professional resume;
- a typewritten statement of professional objectives;
- two letters of recommendation;
- a minimum undergraduate cumulative GPA of 3.0 (on a 4.0 scale).

Submission of official GRE test results is highly recommended.

