

Preparation and Opportunities

The M.S. in Computer Science program offers students the expertise and knowledge they need to excel in a variety of cutting edge technological fields.

Current hiring trends indicate that employers are actively seeking individuals with competitive skills in the newest technologies, enabling companies and agencies to stay abreast of emerging trends.

This program prepares graduates to succeed in data management, design, and analysis, or other upper-level positions in competitive, in-demand technology fields across a variety of industries, including:

- Research
- Business
- Government
- Education

Rowan University

Rowan University, a leading public institution located in the heart of Southern New Jersey, is ranked among the best public universities in the North by *U.S. News & World Report*.

Rowan is the second comprehensive public research university in New Jersey; one of just two institutions in the nation with medical schools granting both DO and MD degrees; and one of just 56 with accredited programs in business, education, engineering, and medicine.

Opportunities

For more information please contact:
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856-256-4805



Master of Science

Computer Science



COLLEGE OF SCIENCE
& MATHEMATICS

Department of Computer Science
201 Mullica Hill Road
Glassboro, NJ 08028-1701

rowan.edu/csm



About the program

The M.S. in Computer Science is designed for individuals with a B.S. in Computer Science who would like to expand their knowledge and opportunities in the growing field of computer science. Students with a bachelor's degree in another discipline may also apply for the M.S. in Computer Science program, after consultation with an adviser regarding eligibility.

Rowan features small class sizes and individualized attention. Most classes are offered in the evening, which allows working professionals to pursue their educational goals. The degree can be completed as a full-time or part-time student.

Accelerated program

Highly motivated undergraduate students have the opportunity to streamline their academic requirements and earn a bachelor's degree and a master's degree in five years, rather than the traditional six. This "4+1" program requires 12 credits fewer to receive both degrees simultaneously, saving students both time and tuition. The B.S./M.S. program allows students to pursue either a thesis track or a non-thesis track to complete the degree.



Curriculum

A total of 30 credits is necessary to fulfill the degree requirements, including four core courses. Core course options include:

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

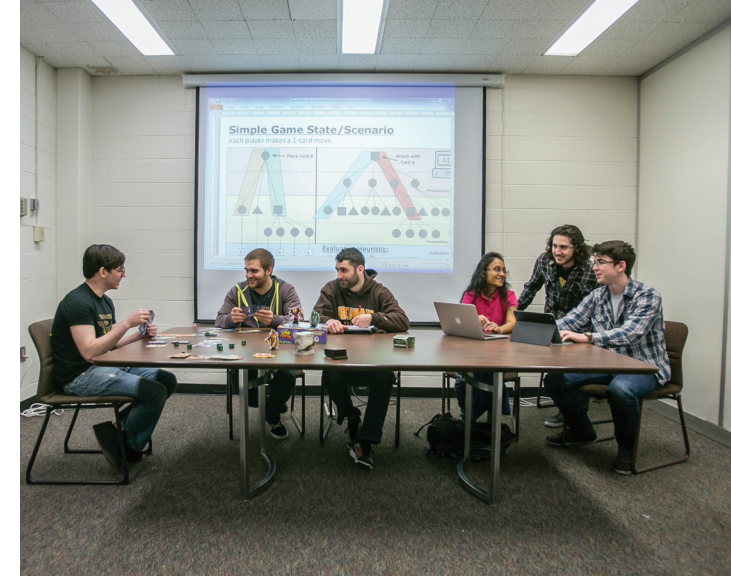
If pursuing the thesis track, students may replace two or three of the remaining six elective courses with thesis courses and defend a master's thesis.

Certificates of Graduate Studies

Students who would like to expand their knowledge, but do not need or desire an M.S. in Computer Science, may be interested in pursuing a Certificate of Graduate Studies (COGS) in one of 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 would like to increase their marketable skills. These certificates are also suitable for current computer science professionals who are interested in gaining additional expertise that can enhance their careers.



Application requirements

M.S. applicants will need:

- 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;
- Visit <http://www.rowanu.com/apply> to complete the application form.

Tuition reimbursement programs

Many companies offer tuition reimbursement programs that provide monetary support for the M.S. or Certificate of Graduate Studies programs in Computer Science.