Computer Science M.S. (Hybrid) (Thesis)

Degree Requirements: 30 Credit Hours

Admission Requirements

Regular Admission

Domestic Candidates: (Choose Option A or Option B)

Option A
1. Bachelor of Science in Computer Science or in a related field (Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.) from an accredited program.
2. Have a cumulative GPA of 3.0/4.0 or its equivalent.
3. Submit a General GRE score.

Option B
1. Bachelor of Science in Computer Science or in a related field (Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.).
2. Have a cumulative GPA of 2.4/4.0 or its equivalent.
3. Have at least two years of relevant professional experience (employment) in computing.
4. Submit a General GRE score.

International Candidates
1. Bachelor of Science in Computer Science or in a related field (for example, Computer Engineering, Information Technology, Information Systems, Software Engineering, etc.)
2. Have a cumulative GPA of 3.0/4.0 or its equivalent.
3. Submit a General GRE score.
4. Submit a minimum TOEFL score of 550 (paper-based), 213 (computer-based), or 80 (internet-based). The TOEFL will be waived for international applicants who have graduated from a U.S. College or University.

Provisional Admission

Applicants who meet most (but not all) of the Regular admission requirements may be admitted on a Provisional basis. Applicants granted Provisional admission must earn grades of “B” or higher in the courses taken under the Provisional admission status. Any other conditions of Provisional admission will be stated in the admission letter. Applicants with such admission status may take graduate-level courses counting toward the M.S. degree requirements. It is every student’s responsibility to satisfy his or her conditions of admission as soon as possible after acceptance. Prerequisites for provisionally admitted students consist of the following undergraduate courses:

- CSCI 1301 Programming Principles I
- CSCI 3230 Data Structures
- CSCI 3232 Systems Software

Non-Degree

Applicants who have a high number of deficiencies may be granted Non-Degree admission to the College of Graduate Studies to take a limited number of graduate level courses.

Program of Study

The graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 3 to 6 credits of Directed Study, 9 to 12 credits of elective classes at the 7000 level, and 6 credits of Thesis (CSCI 7999).

For the online Concentration program in Data and Knowledge Systems, the graduate student and the graduate advisor shall develop a Program of Study that consists of 30 credits of graduate course work, including 9 credits of core courses, 9 credits in the concentration area, 6 credits of elective classes at the 7000 level, and 6 credits of Thesis (CSCI 7999) (thesis option).

General Requirements

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<tr>
<th>Credit Hours</th>
<th>Core Requirements</th>
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<tbody>
<tr>
<td>3</td>
<td>CSCI 7130 Artificial Intelligence - Theory and Application</td>
</tr>
<tr>
<td>3</td>
<td>CSCI 7132 Database Systems Design-Theory and Application</td>
</tr>
<tr>
<td>3</td>
<td>CSCI 7432 Algorithm Analysis and Data Structures</td>
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Advanced Courses

- CSCI 7890 Directed Study in Computer Science 3-6

Electives

- Any CSCI 7XXX courses 9-12

Thesis Option (during the last semester)

- CSCI 7999 Thesis 6

Total Credit Hours 30

Concentration: Data and Knowledge Systems, Online, 30 Credit Hours

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<td>CSCI 7132 Database Systems Design-Theory and Application</td>
</tr>
<tr>
<td>3</td>
<td>CSCI 7136 Distributed Web Systems Design - Theory and Application</td>
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</tbody>
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Concentration Requirements

- CSCI 7431 Distributed Database Systems 3
- CSCI 7434 Data Mining 3
- CSCI 7435 Data Warehousing 3

Electives

- Select one of the following 6
  - CSCI 7090 Selected Topics in Computer Science
- Any CEIT 7XXX courses from any department of the college (with approval)

Thesis Option (not in the same semester)

- CSCI 7999 Thesis 6

Total Credit Hours 30

Students with a GPA over 3.8 are encouraged to take the Master’s Thesis option.

Advisement

Allen E. Paulson College of Engineering and Computing
Department of Computer Sciences
Dr. Muralidhar Medidi
Georgia Southern University