

## Master of Science (MS) Computer Science

### Degree Program

Requires 30 hours of course work. Students must satisfy all core requirements.

**Non-thesis option:** Students complete the 30 hours in courses.

**Thesis Option:** Students writing a thesis enroll in 6 hours of CS 6900, Thesis, and defend their thesis in an oral exam administered by a committee of three department members, including the thesis director.

**Program Website:** <http://www.cs.umsl.edu/grads/degrees.html>

### Application Requirements:

1. Application
  - a. <http://www.umsl.edu/gradschool/prospective/apply-now.html>
2. Two letters of recommendation
  - a. Letters of recommendations from persons qualified to evaluate the student's recent work are required. A third letter is required to apply for an assistantship.
3. Official transcripts from all universities attended
  - a. Applicants must have completed a baccalaureate in Computer Science or a related discipline before beginning the master's program. Transcripts must show the following coursework, or students must complete the work prior to starting their MS degree:
    - i. C programming, object oriented programming language (C++ or Java), data structures, assembly language programming, computer architecture, or computer organization, an elementary course in algorithms and analysis, advanced programming with UNIX, two semesters of calculus, linear algebra, discrete mathematics, and an elementary course in probability or statistics.
4. Entrance examinations
  - a. The Graduate Record Examination (GRE) General Test is required only to apply for an assistantship (see <http://www.gre.org/ttindex.html>).
  - b. International students are required to document English proficiency by providing scores from an internationally accepted standardized examination before a decision is made on admission.
5. Grade Point Average
  - a. Minimum of 3.25 on 4.0 scale. Students whose overall GPA is 2.75 to 3.24 may be admitted under some circumstances.

### **Application Deadline (for domestic applicants)**

Fall admission: July 1

Spring admission: December 1

Summer admission: May 1

### **Application Fee**

\$50 for domestic applicants; \$40 for international applicants

### **Assistantships**

To apply for teaching assistantships/research assistantships, please submit three letters of recommendation and GRE General Test scores to the Graduate Program Director. Please check the program website for deadlines.

### **Graduate Program Director**

Dr. Sanjiv Bhatia

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