Admission Standards and Criteria for Graduate Degrees in Computer Science

General Requirements

In addition to the general requirements for admission, applicants for admission to the graduate program at both the Master of Science and Doctor of Philosophy level are expected to have an undergraduate degree in Computer Science or a related discipline such as Mathematics, Physics, or Engineering. They should submit the official application obtainable from the Graduate Admissions Office. In addition to undergraduate transcripts and letters of recommendation, applicants are expected to submit an official score from the Graduate Record Examination (GRE). Any student may be required, at the discretion of the department, to complete transitional or remedial courses without graduate credit.

MS Admission Requirements

In order to be fully matriculated into the MS program, students must demonstrate competency in the following six knowledge areas:

* Data Structures and Programming in C, C++, or Java
* Operating Systems
* Analysis of Algorithms
* Calculus
* Discrete Mathematics
* Probability and Statistics

Competency is typically demonstrated by producing a transcript of previous academic experience which contains passing grades in courses related to these six areas, or by earning a B or better in the courses below. Knowledge in areas that have not been satisfied at the time of entrance into the M.S. program become conditions on full matriculation. It is the student's responsibility to fulfill his/her conditions at the earliest possible time. The following is the list of courses which satisfy each of the six knowledge areas.

Data Structures and Programming in C, C++ or Java:
  * 91.102 Computing II
Operating Systems:
  * 91.308 Introduction to Operating Systems
Algorithms:
  * 91.404 Analysis of Algorithms
Calculus:
  * 92.131 Calculus I and 91.132 Calculus II
Discrete Math:
  * 92.321 Discrete Math I and 92.322 Discrete Math II
Probability and Statistics:
  * 92.386 Probability and Statistics I

**Ph.D. Admission Requirements**

In addition to the requirements for admission into the Master of Science in Computer Science program, admission into the Doctor of Philosophy degree program requires a Master’s degree in Computer Science. If the student does not already have an MS in CS, they may be admitted into the MS/Ph.D. program; in this program, students must complete the required coursework for the MS in CS as well as degree requirements for the Ph.D. in CS.

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For more information, please visit [http://www.cs.uml.edu/~gcoord](http://www.cs.uml.edu/~gcoord)