

COMPUTER SCIENCE - MASTER OF SCIENCE

Master Accelerated Program

New Mexico State University master's accelerated program provides the **opportunity for academically qualified undergraduate students** to begin working on a master's degree **during their junior and senior years** while completing a bachelor's degree. Typically, a bachelor's degree requires four years to complete, and a master's degree requires an additional two years. The master's accelerated programs allow students the opportunity to complete a graduate program in an accelerated manner. Students can take up to 12 credits of Computer Science graduate courses and get dual course credit that can be applied to both an undergraduate and master's degree. Additional information can be found in the NMSU catalog.

MAP Admission

1. First, students will apply to the Computer Science department to receive approval for the MAP program. The student submits the pre-application when he/she is within 48 credits of earning a BS in Computer Science; an application form is provided on the department website. Qualification for the MAP program will be based on the cumulative (non-grade replaced) grade point average in Computer Science and Math courses taken up to that point (at least 3.3), including at least two of the following: CSCI 3730 Compilers and Automata Theory, CSCI 3710 Software Development and CSCI 3720 Data Structures and Algorithms, and recommendations by faculty members listed on the departmental application. Additional factors might be taken into account when available (e.g., GRE scores). Students having a grade point average below 3.3 but at least 2.75 may be admitted to MAP on a case-by-case basis, depending on faculty recommendations and evaluations of the individual academic and professional history.
2. Once the Computer Science department has notified the applicant of acceptance in MAP, the applicant must then formally apply to the graduate school (<https://apply.nmsu.edu/apply/?id=1c3c41ea-b5f9-48ef-83c3-b085794ba277>) for formal admission to the graduate program. This application to the graduate school is made during the semester of graduation from the BS in Computer Science.

Computer Science Courses Eligible for MAP

All courses in the Computer Science program that are cross-listed for undergraduate and graduate studies in the catalog are eligible for MAP. Students must receive a grade of B or higher in this coursework to be counted for graduate credits. If a grade of B- or lower is earned, it will not count toward the graduate degree. The courses are listed below.

Student should take four MAP eligible courses and CSCI 3720 Data Structures and Algorithms in their BS study program and earned a B (or better) grade. A roadmap for the last year of their study can be as follows:

- **First semester:** take two courses in the basic requirements and a master thesis/project course.
- **Second semester:** take the remaining courses in the basic requirements and a master thesis/project course. Add an elective course if necessary.

CSCI 5245	Computer Networks I	3
CSCI 5405	Artificial Intelligence I	3
CSCI 5410	Computer Graphics I	3
CSCI 5310	Bioinformatics Programming	3
CSCI 5510	Automata, Languages, Computability	3
CSCI 5255	Digital Game Design	3
CSCI 5260	Visual Programming	3
CSCI 5305	Bioinformatics	3
CSCI 5430	Graph Data Mining	3
CSCI 5505	Analysis of Algorithms	3
CSCI 5996	Special Topics	1-6

Prefix	Title	Credits
CSCI 5235	Cellular Networks and Mobile Computing	3
CSCI 5140	Database Management Systems I	3