COMPUTER SCIENCE, BS/MS ACCELERATED PROGRAM

To enable high-achieving and motivated students to earn both a bachelor degree and a graduate degree in Computer Science in five years, we offer a combined accelerated program. Students in the accelerated program can start to take graduate courses in the senior year and finish both the undergraduate and graduate degrees in computer science in five years.

A student in the BS in CS program needs to apply for the accelerated program by the end of the semester prior to the senior year. The admission standard to the Accelerated Program should be consistent with the MS in CS program. Students in the accelerated program should meet the program requirements of both BS in CS and MS in CS programs.

1. In year 4 of their undergraduate degree
   a. in the first semester, students must take one course from the list of 5 required MS in CS courses: CS 408 Advanced Algorithms, CST 411 Artificial Intelligence, CST 421 Data Mining, CST 457 Systems Programming, and CS 449 Advanced Computer Architecture, instead of one of their CS 300 level elective courses.
   b. in the second semester, students must choose one of the remaining required MS in CS courses (i.e. CS 408 Advanced Algorithms, CS 411 Artificial Intelligence, CS 421 Data Mining, CS 457 Systems Programming, and CS 449 Advanced Computer Architecture) and one 400-level elective instead of two 300-level elective courses

2. In the beginning of their graduate year students must choose which of the following three options they will pursue in their graduate degree: thesis, project, or an all courses option. The thesis or project option requires a faculty mentor and two other faculty to serve on the review committee.

3. In year 5 of their accelerated BS+MS in CS degree, students must take in the first semester
   a. Two of the remaining courses from the list of required MS in CS courses (i.e. CS 408 Advanced Algorithms, CS 411 Artificial Intelligence, CS 421 Data Mining, CS 457 Systems Programming, and CS 449 Advanced Computer Architecture)
   b. One graduate elective from the list of CS 400 level courses in the catalog.
   c. CS 485/Thesis Project Research (Thesis/Project option) or CS 400 level graduate elective (i.e. the all courses option).

In the second semester of their graduate year, students must take

1. The last of the remaining core courses (CS 408 Advanced Algorithms, CS 411 Artificial Intelligence, CS 421 Data Mining, CS 457 Systems Programming, and CS 449 Advanced Computer Architecture)
2. Another graduate elective from the list of CS 400 level courses in the catalog.
3. CS 490 Masters Thesis (Thesis option) or CS 499 Masters Project (Project option) or CS 400 level graduate elective (i.e. the all courses option)
4. At the end of their course of study students pursuing the Thesis/Project option present their final submission.