

Motivation for three Computer Science Programs

The department recognizes the scope and breath of computing into many areas of society and thus created these three majors to give students an opportunity to pick a major that is most suitable to their post-graduation goals.

All the programs offer a mix of practice and theory that prepares students for career employment in computer science fields such as systems programming and analysis, software development and maintenance, as well as applications programming. It is also possible for a graduate of any of the programs to go to graduate school, however, some programs have features that prepare students "better" for specific areas of employment or graduate school.

Of all the majors only the Computer Science BA major requires a minor, it is optional in the others.

Computer Science Curriculum Major (BS)

In addition to the features highlighted above, of the three majors, this major is the most rounded computer science degree. Also, it includes additional Mathematics and Science requirements that better prepare students for graduate school post the bachelor's degree.

Computer Science Applied Major (BS)

In addition to the features highlighted above for all three majors, this major accords the student the opportunity to concentrate (take more upper-level classes) in a specific area of computer science such as games programming, software development or mobile apps/web programming that is suitable for their career goals.

Computer Science (BA)

This major has all the features highlighted above for all three majors, plus it requires Mathematics up to College Algebra and Discrete Mathematics. Students in this major have the opportunity to concentrate/specialize in areas of computer science that are less Mathematics intensive. Courses available at the upper-level for students in this major include Web Programming, Mobile Apps development, and Software Engineering.