COMPUTER SCIENCE

The growing utility of computers in research and education as well as the increased impact of computers on our modern society strongly implies that knowledge of computers and their capabilities should be a part of the basic education of all students. The courses offered in the Department of Computer Science are designed to provide the student with this knowledge and to prepare the student for a career in a field in which there is a growing need for trained personnel. The objective of the undergraduate curriculum in computer science is to develop professionally competent, broadly educated computer scientists who wish to pursue professional careers or graduate studies.

High School Preparation: In addition to general University admission requirements, pre-college preparation should include as many computer science courses as possible and four years of high school mathematics, to include algebra, trigonometry, and pre-calculus. Also recommended are physics, chemistry, and biology.

- Computer Science B.S. - Algorithm Design (https://catalog.umt.edu/colleges-schools-programs/science/computer-science/bs-computer-science-algorithm-design/)
- Computer Science B.S. - Data Science (https://catalog.umt.edu/colleges-schools-programs/science/computer-science/bs-computer-science-data-science/)
- Computer Science B.S. - Software Engineering (https://catalog.umt.edu/colleges-schools-programs/science/computer-science/bs-computer-science-software-engineering/)
- Computer Science-Mathematical Sciences B.S. (Combined Major) (https://catalog.umt.edu/colleges-schools-programs/science/computer-science/bs-combined-math-computer-science/)
- Computer Science Minor (https://catalog.umt.edu/colleges-schools-programs/science/computer-science/minor-computer-science/)
- Computer Programming Certificate (https://catalog.umt.edu/colleges-schools-programs/science/computer-science/cert-computer-programming/)