

COMPUTER STUDIES

COMPUTER SCIENCE

Certificate of Proficiency

The certificate program in computer science is designed primarily for the student in the work environment seeking to become computer literate through a non-degree course of study. A certificate will be awarded to students completing the courses with a cumulative average of 2.0 or higher. The computer science curriculum focuses on general computer programming concepts/techniques, technical writing, computer organization/systems, and data structures/analysis. This curriculum has been designed to address needs in preparing the student for advancement in the work environment or to the next level of computer science study.

- 3 s.h. English I (ENGL 151)
- 3 s.h. A Survey of Mathematics (MATH 151) OR
Finite Math (MATH 171) OR
Introduction to Probability (MATH 181) OR higher⁴
- 3 s.h. Computer Programming I (CSIT 171)¹
- 3 s.h. Introduction to Computer Organization (CSIT 140)¹
- 3 s.h. Computer Programming II (CSIT 172)²
- 3 s.h. Data Structures and Algorithm Analysis (CSIT 271)³
- 3 s.h. 200 level CSIT course
- 12 s.h. Computer Science Electives - CSIT 130 or higher
- 33 s.h.

Total Credits 33

¹Fall semester day and evening sections; spring semester day sections only

²Spring semester day and evening; fall semester day sections only

³Fall semester evening section only

⁴MATH 265 Calculus I or higher required for students pursuing a bachelor's degree