INFORMATION TECHNOLOGY, CERTIFICATE OF PROFICIENCY

Program Description

The **Information Technology Certificate of Proficiency** is designed for students who want to build practical technical skills in computer systems, networking, and information technology support. This program provides a deeper level of technical preparation than a short-term certificate while focusing on the skills needed to support modern computing environments.

Students develop knowledge in areas such as computer hardware, operating systems, networking, cybersecurity fundamentals, and technical troubleshooting. Coursework emphasizes hands-on learning, problem-solving, and the application of industry-relevant technologies used to manage and maintain computer systems and digital infrastructure.

This certificate may serve as a standalone credential for students seeking entry-level positions in information technology or as a pathway into degree programs in computer science, information technology, or related computing fields.

Transfer Information

The Information Technology Certificate of Proficiency may complement the Associate in Science in Computer Science or other technology-focused degree programs. Students interested in continuing their education should consult with faculty and Advising & Transfer Services to determine how coursework may apply toward degree requirements.

Students may also pursue industry-recognized certifications to strengthen their qualifications and career opportunities in information technology and technical support roles.

Career Information

The Information Technology Certificate of Proficiency prepares students for entry-level roles supporting computer systems, networks, and technology infrastructure.

Potential career paths include:

- IT Support Specialist
- Help Desk Technician
- Computer Support Technician
- Network Support Technician
- Systems Support Specialist

Students are encouraged to consult with faculty and Career Services to explore certification pathways, internships, and employment opportunities in the information technology field.

This Computer Science/Information Technology certificate program 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. This curriculum provides a basic core of hardware and software courses with 9 additional CSIT elective courses designed to address needs in preparing the student for advancement in the work environment or to the next level of computer science study.

Code	Title	Credit Hours
ENGL 151	English I	3
CSIT 165	Programming I	4
CSIT 166	Programming II	4
CSIT 176	Computer Organization & Architecture	3
Select one of the following:		3
MATH 151	A Survey of Mathematics	
MATH 171	Finite Mathematics	
or higher		
CSIT 213	Database Management	3
CSIT 115 or Higher CSIT Elective(s) (https://catalog.ocean.edu/course-descriptions/csit/)		9
200-level CSIT Elective(s) (https://catalog.ocean.edu/course-descriptions/csit/)		3
Total Credit Hours		**32**