COMPUTER INFORMATION SYSTEMS, CERTIFICATE OF ACHIEVEMENT

Banner Code: 3_CN_CIS
Control Number: 43975
Not Financial Aid Eligible

This certificate program provides students with a solid foundation in the field of computer information systems. Students will learn to design, develop, and maintain technology solutions to bridge the gap between technology and the needs of the organization. Topics covered include programming, information systems, cybersecurity, systems analysis, and data governance. The program is designed to prepare students for entry-level jobs or to help them advance into careers, such as Web Developer, Digital Designer, Database Administrator, and Computer and Information Systems Manager.

Program Level Student Learning Outcomes

Upon completion of this program, students will be able to:

1. Apply the methods, techniques, and tools relevant to computer systems, software development, and information technology.
2. Describe the ethical and legal considerations related to technology and data management.
3. Demonstrate the ability to align technology solutions with organizational goals.
4. Select appropriate resources to continuously adapt to evolving technology and business environments.

Certificate Graduation Requirements

A Certificate is awarded upon completion of the required coursework with a grade of C or higher in each course. A grade of P (Pass) is acceptable, however, the student must meet an overall GPA requirement of 2.0 to receive the certificate. To receive the certificate, a student must file a petition for graduation during their final semester prior to the application deadline as noted on the Coastline Graduation webpage (https://www.coastline.edu/student-life/graduation.php).

Course	Title	Units
Required Courses		
Complete the following:		
CIS C105	Introduction to Business Office Technology	3
CYBR C101	Introduction to Cybersecurity	3
ICS C120	Introduction to Programming	3
CIS C157	Introduction to Python Programming	3
CIS C205	Principles of Information Systems	3
CIS C240	SQL Database Development	3
CIS C260	Systems Analysis and Design	3
CIS C285	Data Governance, Privacy, and Policies	3
Program Electives		**3**
Select one of the following:		
ICS C230	Secure Coding and Design	

Course	Title	Units
ICS C265	Introduction to Artificial Intelligence	
Total Units		**27**