DEVSECOPS (DEVELOPMENT, SECURITY, AND OPERATIONS) CERTIFICATE

Division: Business and Computer Information Systems

PROGRAM CODE: 1C40507
Financial Aid Eligible

The **DevSecOps (Development, Security, and Operations) Certificate** prepares the students for a career in DevOps and DevSecOps. The program is designed to teach students the skills of secure coding, security as code and integration of security practices within the DevOps process. Students will learn to incorporate security features in every step of the development and operations process. The curriculum also helps prepare students for the industry recognized DevSecOps, AWS Certified Cloud Practitioner, CompTIA Security+, Project+ certification exams. To earn a certificate, complete the required courses as listed with a grade of C or better. At least 50% of all course work must be completed at Cypress College. This certificate requires a total of 17 to 18 units.

Code	Title	Units
Required Courses (14 units):		
CIS 190 C	IT and Cybersecurity Funds	4
or CIS 230 C	Cisco Networking 1	
CIS 195 C	Network Security	3
CIS 247 C	Python Programming	3
CIS 257 C	Cloud Implementation and Secur	4
Elective Courses - And 1 course from the below list (3-4 units):		**3-4**
CIS 226 C	Java Programming	3
CIS 256 C	Appl. Security & Pntratn Test.	4
CIS 274 C	IT Project Management	3
CIS 275 C	Data Structures in Python	3
CIS 259 C	Advanced Cloud Implementation	3
Total Units		**17-18**

Program Student Learning Outcomes:

<u>**Program Goals:**</u>

OUTCOME 1: Acquire the skills necessary for workforce preparation in the field of DevSecOps and DevOps, including secure coding, security as code and integration of security practices within the DevOps process and incorporation of security features in every step of the programming, development, and operations process.

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