

# CYBERSECURITY CERTIFICATE PROGRAM

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## Student Learning Outcomes

- a. Students will demonstrate knowledge of Information Technology - specific content (programming in a higher-level language; computer's internal organization).
- b. Students will demonstrate critical thinking in Information Technology.
- c. Students will demonstrate communication skills reflective of professional standards in Information Technology.
- d. Students will demonstrate computer-based calculation skills (ability to work with different bases, internal data representations, digital logic).

Code	Title	Hours
Cybersecurity Certificate Required Courses		
CS 114	Introduction to Cybersecurity	3
CS 221	Database Techniques	3
CS 385	Computer Science Internship	1-6
CS 387	Advanced Cybersecurity	3
ICT 410	Intru Detect & Incid Response	3
ICT 412	Ethical Hacking & Sys Defense	3
<b>Total Hours</b>		<b>16-21</b>

The practicum will be an experiential commitment. It may involve an applied project where the student works a project coordinated with Walsh at a designated internship site or a project coordinated in some way.