

CYBERSECURITY - ADVANCED TECHNICAL CERTIFICATE (ATC)

Explore More About This Program: <https://cwi.edu/program/cybersecurity>

Certificate Plan: Fall Start

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this Plan of Study Guide. Please register for your major requirements each semester as shown below using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this plan.

NOTE: The required general education courses may be completed during any semester the student prefers, including summer semesters.

NOTE: The certificate plan below is for the traditional, in-person option. Students interested in the accelerated online option should meet with their advisor for additional information and assistance with course planning.

First Year

Fall	Credit Hours
First 5-Week Course Session	
CSEC 110 Introduction to Hardware and Client Operating Systems	4
Second 5-Week Course Session	
CSEC 123 Network Fundamentals	4
Third 5-Week Course Session	
CSEC 125 Basic Network Routing	4
Full 16-Week Course Session	
Select one of the following:	3
GEM 1 - Written Communication course	
GEM 2 - Oral Communication course	
Total Semester Credit Hours	15

Spring

First 5-Week Course Session	
CSEC 127 Server Operating Systems	4
Second 5-Week Course Session	
CSEC 129 Fundamentals of Linux	4
Third 5-Week Course Session	
CSEC 131 Introduction to Information Security	4
Full 16-Week Course Session	
GEM 3 - Mathematical Ways of Knowing course	3
Total Semester Credit Hours	15

Second Year

First 5-Week Course Session	
CSEC 246 Securing a Directory Services Infrastructure	4
Second 5-Week Course Session	
CSEC 248 Advanced Cybersecurity	4

Third 5-Week Course Session		
CSEC 252	Introduction to Programming for Cybersecurity	4
Full 16-Week Course Session		
GEM 6 - Social & Behavioral Ways of Knowing course		3
Total Semester Credit Hours		15

Spring

First 5-Week Course Session		
CSEC 255	Ethical Hacking and Countermeasures	4
Second 5-Week Course Session		
CSEC 257	Introduction to Digital Forensics	4
Third 5-Week Course Session		
CSEC 290	Cybersecurity Capstone	4
Total Semester Credit Hours		12
Minimum Credit Hours Required		57