Cybersecurity Certificate

This certificate provides graduates with the skills needed to defend networks and information systems against cyber-attacks. Students receive extensive hands-on experience and develop the knowledge and abilities necessary to succeed in the protection of an organization's data and operations. It is a rigorous one-year fully online program designed to help students master the fundamentals of cybersecurity by applying industry-accepted and emerging practices to solve real-world security problems. Upon completion of the program, students will be able to evaluate security trends, recognize best practices, and understand Information Technology security products and threats. Some career opportunities associated with this degree include: security analyst, network systems security administrator, security policy analyst, and more.

Total Units: 29.5

First Year

Summer

4 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISC 360[1] **Z** Information & Communication Technology Essentials (A+)	4	Advisory: CISC 302 & 310	F(O,P)

Z At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the ZTC page of the college website.

[1] or COMPTIA A+ certification

Semester 1 - 1st Eight Weeks

6 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISC 310[2] **Z** Introduction to Computer Information Science	3	Advisory:Students should be familiar with basic functions of word processing, spreadsheet, and web browser software applications, or they should have successfully completed a Computer Technology course in middle or high school.	F(O,P), S(O)
CISN 303[3] **Z** Network Administration - Linux Server	3	Advisory: CISC 323	F(O)

Z At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there

may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the ZTC page of the college website.

[2] or CompTIA ITF+ certification

[3] or CompTIA Linux+ certification

Semester 1 - 2nd Eight Weeks   6 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISN 304 [4] Ⓩ Networking Technologies	3	Advisory: CISC 356	
CISS 310 [5] Network Security Fundamentals	3	Advisory: CISC 310	

Ⓩ At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the ZTC page of the college website.

[4] or CompTIA Network+ certification

[5] or CompTIA Security+ certification

Semester 2 - 1st 8 weeks   6.5 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISN 341 [6] Ⓩ CISCO Networking Academy (CCNA)tm:Switching, Routing, and Wireless Essentials	3.5	Corequisite: CISN 304 (may be taken previously)	
CISS 316 [7] Ⓩ Cisco Networking Academy(R): CyberOps Associate	3	Advisory:CISN 304, CISS 300 or 310	

Ⓩ At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the ZTC page of the college website.

[6] or CISCO CCENT certification

[7] or CCNA CyberOPS certification

Semester 2 - 2nd 8 weeks   7 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
CISN 342 [8] Ⓩ CISCO Networking Academy (CCNA)tm: Enterprise Networking, Security, and Automation	3.5	CISN 342	
CISS 327 [9] Ⓩ Cisco Networking Academy(R): Network Security	3.5	CISN 304, 341	

Median Salary in California with advanced degree (2021):

$102,600/yr

Source:

https://www.onetonline.org/link/summary/15-1122.00

About this map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan that is customized to meet your needs. This map is not a guarantee of course

availability or financial aid applicability.

Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the Zero Textbook Costs page of the college website.

(Z) At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the ZTC page of the college website.

[8] or CCNA Automation and Programmability certification

[9] or CCNA Security certification