



**DIVISION/DEPARTMENT REQUIREMENTS**

| Required Courses                         | Units |
|--|-------|
| CIS 170L Cybersecurity Fundamentals      | 3.5   |
| CIS 170P Introduction to Ethical Hacking | 3.5   |
| CIS 170R Computer and Digital Forensics  | 3.5   |
| CIS 170I Cisco Network Security          | 3.5   |
| <b>OR</b>                                | -     |
| CIS 170S Network Defense                 | 3.5   |

**TOTAL CORE REQUIREMENTS 14.0**

**Select at least 6 units from the following electives (Category A)**

| Required Courses                       | Units |
|--|-------|
| CIS 103 Computer Programming Logic     | 3.5   |
| CIS 164 JavaScript Programming         | 3.5   |
| CIS 183 Java Programming               | 3.0   |
| CIS 185 Discrete Structures            | 3.0   |
| CIS 189C Special Topics in Programming | 3.0   |

**AND**

**Select at least 10 units from the following electives (Category B)**

| Required Courses   | Units |
|--|-------|
| CIS 170A Networking Fundamentals                         | 3.5   |
| CIS 170B Network+ Certification                          | 3.5   |
| CIS 170H TCP/IP Fundamentals                             | 3.0   |
| CIS 171A Introduction to Cloud Computing                 | 3.0   |
| CIS 200A Apple Mac OS Support Essentials                 | 3.5   |
| CIS 212 Introduction to Microsoft Windows Administration | 3.5   |
| CIS 213F Microsoft Windows Server Administration         | 3.5   |
| CIS 214 Unix and Linux Operating Systems                 | 3.0   |

**TOTAL ELECTIVE REQUIREMENTS 16.0**

**GENERAL EDUCATION**

**TOTAL GENERAL EDUCATION REQUIREMENTS >18.0**

**TOTAL UNITS REQUIRED FOR DEGREE >=60.0**

### SUGGESTED STUDY PLAN

\*For those who are only interested in the Certificate of Achievement not A.S. degree, you may follow the suggested plan for COA. THIS IS FOR A.S. degree or transfer students. You need at least 60 units total, which should include the program core requirements and electives, GE requirements, and/or other electives.

#### YEAR ONE

##### FALL SEMESTER

| Course # | Course Name             | Units |
|----------|-------------------------|-------|
| CIS 170A | Networking Fundamentals | 3.5   |
| CIS 170B | Network+ Certification  | 3.5   |
| CIS 170H | TCP/IP Fundamentals     | 3.0   |
| -        | GE / PROGRAM ELECTIVES  | >=3.0 |

##### SPRING SEMESTER

| Course #   | Course Name                             | Units     |
|------------|---|-----------|
| CIS 212    | Introduction to Windows Administration  | 3.5       |
| CIS 213F   | Microsoft Windows Server Administration | 3.5       |
| CIS 214    | Unix and Linux Operating Systems        | 3.0       |
| Elective 1 | Electives in Category A                 | 3.0 - 3.5 |
| -          | GE / PROGRAM ELECTIVES                  | >=3.0     |

##### SUMMER SEMESTER

| Course # | Course Name            | Units |
|----------|------------------------|-------|
| -        | GE / PROGRAM ELECTIVES | >=3.0 |

#### YEAR TWO

##### FALL SEMESTER

| Course #   | Course Name                | Units     |
|------------|----------------------------|-----------|
| CIS 170L   | Cybersecurity Fundamentals | 3.5       |
| CIS 170I   | Cisco Network Security     | 3.5       |
| Elective 2 | Electives in Category A    | 3.0 - 3.5 |
| -          | GE / PROGRAM ELECTIVES     | >=3.0     |

##### SPRING SEMESTER

| Course # | Course Name                     | Units |
|----------|---------------------------------|-------|
| CIS 170P | Introduction to Ethical Hacking | 3.5   |
| CIS 170R | Computer and Digital Forensics  | 3.5   |
| -        | GE / PROGRAM ELECTIVES          | >=3.0 |
| -        | GE / PROGRAM ELECTIVES          | >=3.0 |

\*After successfully completing the course in this semester, students will be eligible to receive **Certificate of Achievement in Cybersecurity**.



#### Interested enrolling in Cerritos College?

Please refer to the step-by-step enrollment process: [www.cerritos.edu/futurestudents](http://www.cerritos.edu/futurestudents)

#### Want To Apply To Get Your Certificate?

1. Make sure you meet the requirements for certificate
  - a. Determine which form to fill out and download the form at: [www.cerritos.edu/admissions-and-records](http://www.cerritos.edu/admissions-and-records)
    - i. Petition for Certificate: Petition to graduate with a Certificate of Achievement
    - ii. Petition for Degree: Petition to graduate with an Associate in Sciences
2. Fill out the appropriate form and meet with a counselor
  - a. Make an appointment by calling (562) 860-2451, ext. 2231 or use Online Counseling at: [www.cerritos.edu/counseling/online-orientation.htm](http://www.cerritos.edu/counseling/online-orientation.htm).

### Cybersecurity Program

For more information on Certificates, please refer to the current General Catalog:

[www.cerritos.edu/catalog](http://www.cerritos.edu/catalog)



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