## De Anza College

*Academic Year*
# 2020 - 2021

*Computer Information Systems*
# Enterprise Security

21250 Stevens Creek Blvd.
Cupertino, CA 95014
408-864-5678
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Business, Computer Sciences and
Applied Technologies Division
Bldg. L1, Room L14
408-864-8797

Find your counselor at
deanza.edu/our-counselors

*Please visit the Counseling and Advising Center to apply for degrees and for academic planning assistance.*

### Certificate of Achievement Requirements
- Completion of all major courses with a C grade or higher.

Note: A maximum of six quarter units may be transferred from other academic institutions.

### Certificate of Achievement-Advanced Requirements
- Completion of all major courses with a C grade or higher.

- Demonstrated proficiency in mathematics and English as evidenced by eligibility for MATH 114 and eligibility for any of the following: EWRT 1A, EWRT 1AH, EWRT 1AS with EWRT 1AT, or ESL 5.

Note: A maximum of 18 quarter units may be transferred from other academic institutions.

### A.A./A.S. Degree Requirements
1. Completion of all General Education (GE) requirements (32-43 quarter units) for the A.A./A.S. degree. GE units must be completed with a minimum 2.0 GPA (C average).
2. Completion of all major courses with a C grade or higher. Major courses can also be used to satisfy GE requirements (except for Liberal Arts degrees).

   Note: A maximum of 22 quarter units from other academic institutions may be applied toward the major.
3. Completion of a minimum of 90 degree-applicable quarter units (GE and major units included). All De Anza courses must be completed with a minimum 2.0 GPA (C average). All De Anza courses combined with courses transferred from other academic institutions must be completed with a minimum 2.0 GPA (C average).

   Note: A minimum of 24 quarter units must be earned at De Anza College.

## Enterprise Security Professional
### Certificate of Achievement
This Certificate of Achievement prepares students to become Enterprise Security Technicians in a networking environment. In this program, students learn network security basics, security policies and procedures, network monitoring and risk analysis and assessment based on network security.

*Program Learning Outcomes: Upon completion, students will be able to*
- Describe network components, protocols, architectures and the application of current communication and networking technologies
- Define properties of all modern network types
- Detect and stop security breaches in network and application layers
- Help organizations increase awareness of security policies and procedures

1. Meet the requirements for this certificate level.
2. Complete the following.

| Prerequisite/Corequisite: | | **4.5** |
|---|---|---|
| CIS 108 | Personal Computer Security Basics | 4.5 |

| Requirements: | | **13.5** |
|---|---|---|
| CIS 18A | Introduction to Unix/Linux | 4.5 |
| CIS 56 | Network Security | 4.5 |
| CIS 102 | Ethical Hacking | 4.5 |

| Complete one course: | | **5** |
|---|---|---|
| CIS 66* | Introduction to Data Communication and Networking (5) | |
| CIS 75A* | Internet Concepts and TCP/IP Protocols (5) | |
| | **Total Units Required, Including Prerequisite** | **23** |

*\*Based on previous experience or knowledge, students may substitute another CIS course of equal or greater unit value with departmental approval.*

## Enterprise Security Professional
### Certificate of Achievement-Advanced
This Certificate of Achievement-Advanced prepares students to become Enterprise Security Technicians in a networking environment. In this program, students learn network security basics, emergency response planning, internet protocols, and more advanced-level security policies and procedures, network monitoring, and risk analysis and assessment based on network security.

*Program Learning Outcomes: Upon completion, students will be able to*
- Describe network components, protocols, architectures and the application of current communication and networking technologies
- Define properties of all modern network types
- Detect and stop security breaches in network and application layers
- Help organizations increase awareness of security policies and procedures

1. Meet the requirements for this certificate level.
2. Complete the following.

| Prerequisite/Corequisite: | | **4.5** |
|---|---|---|
| CIS 108 | Personal Computer Security Basics | 4.5 |

| Requirements: | | **18** |
|---|---|---|
| CIS 18A | Introduction to Unix/Linux | 4.5 |
| CIS 56 | Network Security | 4.5 |
| CIS 102 | Ethical Hacking | 4.5 |
| CIS 170F | Windows Administration | 4.5 |

**Complete one course:**                                    **5**

CIS 66*          Introduction to Data Communication
                 and Networking (5)
CIS 75A*         Internet Concepts and TCP/IP Protocols (5)

**Complete one course:**                                   **4.5**

CIS 104          Digital Forensics and Hacking
                 Investigation (4.5)
CIS 105          Cloud Security Fundamentals (4.5)
                 **Total Units Required,**
                 **Including Prerequisite..................................32**

*\*Based on previous experience or knowledge, students may substitute another CIS course of equal or greater unit value with departmental approval.*

# Enterprise Security Professional
*A.A. Degree*

The A.A. degree program offers students the opportunity to study information security principles and theories that focus on asset protection. In this program, students learn network security basics, security policies and procedures, network monitoring and risk analysis and assessment based on network security. Students in this program can pursue either a general course of study or a concentration in information security. Graduates find employment in general public or private management, federal or local government civil service, military service, law enforcement and private security.

*Program Learning Outcomes: Upon completion, students will be able to*

- Describe network components, protocols, architectures and the application of current communication and networking technologies
- Define properties of all modern network types
- Determine, at a more advanced level, how to detect and stop security breaches in network and application layer
- Help organizations increase awareness of security policies and procedures

| | | |
|---|---|---|
| *Major* | *Complete the Certificate of Achievement-Advanced requirements* | *32* |
| *GE* | *General Education (32-43 units)* | |
| *Electives* | *Elective courses required when major units plus GE units total is less than 90* | |
| | **Total Units Required ....................................90** | |