

Admission Requirements

The following general requirements must be met to be admitted to the program:

- A bachelor's degree from a regionally accredited college or university
- Good standing at the last institution
- A grade point average (GPA) of at least 2.5 on the last degree completed or at least 2.5 in the last 60 semester (90 quarter) units attempted.
- International Students must provide an evidence of one of the following:
 - A minimum score of 80 on the internet-based TOEFL exam (iBT)
 - A minimum score of 213 on the computer-based TOEFL exam
 - A score of 6.5 or higher on the IELTS, or
 - A score of 53 or higher on the Pearson Test of English (PTE) Academic

Depending on the type of the undergraduate degree held, the applicants may be admitted with either a classified or conditional admission status.

Who can apply for this graduate program?

Minimum requirement: Bachelor degree with a GPA of 2.5 or higher

1. **Full Admission:**
Bachelor degree in Computer Technology from CSUDH or an equivalent program; or,
2. **Conditional Admission:**
Bachelor degree other than computer technology. Students with no background may need to take some leveling courses before admission to the program

Contact Information:

Application/Admission Questions

msprogram@csudh.edu | [424-205-5270](tel:424-205-5270)

Academic Questions

[Mohsen Beheshti](mailto:Mohsen_Beheshti) | mbeheshti@csudh.edu | [310-243-3398](tel:310-243-3398)

Computer Science Department (CSC)

(Curriculum, Advising, Admission)

[310-243-3398](tel:310-243-3398) | mscy@csudh.edu | csc.csudh.edu

College of International and Extended Education (CIEE)

(Registration, Payment, Application Process)

[310-243-3741](tel:310-243-3741) | <https://www.csudh.edu/ceie/registration/>



CALIFORNIA STATE UNIVERSITY
DOMINGUEZ HILLS

Department of Computer Science

College of Natural and Behavioral Sciences

Chair: Mohsen Beheshti

NSM A-132

Phone: (310) 243-3398

<http://csc.csudh.edu>

Admission Procedures

The following materials are required for admission review by the submission deadline: Please note that the cut-off dates for Admission to the **Fall Term** is **July 1**, with the complete package of materials (application, transcripts and other required documents) due by **August 1**. For the **Spring Term**, the deadline for completed applications is **November 15**, and the deadline for materials is **December 1**. If you do not meet these deadlines, you will need to re-apply with a new application for the next term.

- [Apply via Cal State Apply ►](#)
- **Contact your previous college(s) to request official transcripts.**

Applicants must provide an official transcript from each postsecondary institution attended (post-baccalaureate course work included) be sent to the Admissions Office at admit@csudh.edu. If the institution providing the transcript can only mail the transcript, mail it to:

Admissions Office
CSU Dominguez Hills
1000 E. Victoria Street
Carson, CA 90747

- Send two letters of support and a *Statement of Purpose* (why you want to be in the program) for your application to the program coordinator at: MSCY@csudh.edu.

CALIFORNIA STATE UNIVERSITY DOMINGUEZ HILLS

MASTER OF SCIENCE

CYBER SECURITY

Program Description

The Master of Science in Cyber Security program is designed to provide professional preparation for private, public and non-profit sector professionals in the field of cyber security. The curriculum delivered in an accelerated 18-month cohort model, requires completion of six (6) core and four (4) elective courses. The program culminates with a cyber-security research project supervised by a faculty member.

The purpose of the Master of Science in Cyber Security program is to prepare students for professional careers in cyber security. The program aims to provide a learning experience for the students to develop technical skills in protecting IT infrastructures, operating system, and networks from intentional and unintentional information security breaches. The curriculum learning outcomes are designed for the acquisition of advanced expertise in the area of cyber security, including the protection of computers, networks, programs from unauthorized access, alteration or damage of data.

The program's strengths include a robust academic curriculum, high quality expert instructors, accelerated format (18-month model); and affordability. The Master of Science | Cyber Security will position its graduates to become leaders in the field of cyber security.

A classes are scheduled to accommodate late afternoon, evening, and weekend classes.

Full Admission

In order to be admitted with a classified status, the applicant must meet all general admission requirements and hold a bachelor's degree in Computer Technology (CT), Information Technology (IT), Computer Science (CS) or a related subject.

Conditional Admission

The applicants holding bachelor's degrees in the fields *not related* to Computer Science, may be considered for a conditional admission. Conditionally admitted students may have to fulfill additional requirements before they attain a classified status. These additional requirements, which will be determined by evaluating applicant's transcripts and work-related experience, include an evidence of mastery of the key concepts in the following topic areas:

- Computer Hardware and Tools
- Computer Programming
- Operating System and Networking
- Dynamic Web Programming
- Network Security
- Introduction to Statistics

Or take the Cyber Security Certificate of Completion at CSUDH: (three 2-unit courses)

- IT Fundamentals,
- Network and Hardware, and
- Cybersecurity

Advancement to Candidacy

Advancement to candidacy recognizes that the student has demonstrated the ability to sustain a level of scholarly competency commensurate with successful completion of degree requirements. Upon advancement to candidacy, the student is clear for the final stages of the graduate program which, in addition to any remaining course work, will include the project.

Following are the requirements for Advancement to Candidacy:

1. A minimum of 15 resident units
2. Classified standing
3. An approved Program of Study
4. Successful completion of GWAR
5. A cumulative of 3.0 in all courses taken as a graduate student
6. No grade lower than a "B" in the degree program

Degree Requirements (30 units)

The program consists of **30 units: six core courses totaling 18 units and 12 units of electives**. The last course, CYB 590, is a culminating experience consisting of a student-developed cyber security research project conducted under the supervision of a faculty member.

Core Courses (18 units)

[CYB 501 | Foundations of Information Security](#) (3 units)

[CYB 528 | Foundations of Cyber Forensics](#) (3 units)

[CYB 538 | Information Security Policy and Procedures](#) (3 units)

[CYB 555 | Information Assurance and Network Security](#) (3 units)

[CYB 584 | Software Project Planning and Management](#) (3 units)

[CYB 590 | Graduate Project](#) (3 units)

Electives (12 units)

4 courses selected from the list below:

[CYB 529 | Advanced Cyber Forensics](#) (3 units)

[CYB 548 | Advanced Operating Systems Security](#) (3 units)

[CYB 551 | Data Communications and Computer Network](#) (3 units)

[CYB 552 | Advanced Hacking Prevention](#) (3 units)

[CYB 562 | Advanced Communication System Security](#) (3 units)

[CYB 572 | Secure Cloud Computing](#) (3 units)

[CYB 505 \(595\) | Practical Cybersecurity](#) (3 units)

[CYB 525 \(595\) | Cybersecurity System Analysis and Automation](#) (3 units)

[CYB 535 \(595\) | CyberOps and Cloud DevSecOps](#) (3 units)

Graduation Writing Assessment Requirement (GWAR)

All CSUDH graduate and post-baccalaureate students must satisfy the GWAR requirement. There are four existing pathways to immediately satisfy GWAR requirements:

1. Graduate students who earned a baccalaureate degree from an accredited college or university in the United States satisfy the GWAR.
2. Graduate students who earned a baccalaureate degree from an accredited non-US institution where English is a primary language of instruction satisfy the GWAR.
3. Graduate students who earned a 4 or above on the analytical writing component of the GRE or GMAT satisfy the GWAR.
4. Students coming from baccalaureate programs offered in non-English speaking university settings can qualify to enter a graduate program by meeting one of the following options: take the TOFEL and achieve a score of : 550 (paper- based; 80 (internet-based); 213 (computer-based);or achieve an IELTS score of 6.5.

Programs offered by Computer Science Department:

BS in Computer Science

BA in Computer Technology

Homeland Security Track

General Track

Professional Track

BS in Information Technology

MS in Computer Science

Software Engineering Track

Distributed Systems & Networking Track

MS in Cyber Security