Features

The University's location in the South Bay area of greater Los Angeles provides direct access to many major government contractors, manufacturers, and international centers of commerce and finance. This provides excellent opportunities for work-study and early job placement.

Our highly qualified full-time faculty are supplemented by talented and dedicated part-time faculty drawn from local firms and schools. Good teaching and easy on-campus access to professional quality computing systems enhances a degree program that provides a solid core curriculum and a broad range of electives.

All courses are offered alternately day and evening so that students may complete their programs by enrolling at either time exclusively.

Graduation with Honors

An undergrad student may be a candidate for graduation with Honors in Computer Science provided he or she meets the following criteria:
1. A minimum of 36 units in residence as CSU Dominguez Hills at least 24 of which taken in Information Technology major;
2. A minimum GPA of 3.5 in all upper division courses in the Computer Science major completed at CSUDH;
3. Recommendation by Information Technology faculty.

Students who achieve Honors in Information Technology will have the information recorded on their transcripts and diplomas.

Academic Advising

Faculty guidance in the development of career goals and program planning to achieve goals is available to all majors.

CSUDH

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

Preparation
The university's criteria for admission as a first-time freshmen are met if a student:

1. Is a high school graduate

2. Has a qualifiable eligibility index and

3. Has completed with grades of "C" or better each of the courses in the comprehensive patter of college preparatory subject requirements. Courses must be completed prior to the first enrollment in the California State University. For more information about eligibility Index and Subject Requirement please refer to the university catalog.

This is a program that places premium on the student's initiative and effort.

Career Possibilities
Bachelor of Science in Information Technology is a comprehensive program that is intended to provide students with the technology based skill set required immediately after degree completion to enter the work force or a graduate program. Feedback and letters or support from members of our Industry Advisory Board indicate the need for professionals with the balance of practical and theoretical knowledge that extends beyond conventional information curricula.

CALIFORNIA STATE UNIVERSIT
DOMINGUEZ HILLS

BACHELOR OF SCIENCE INFORMATION TECHNOLOGY

Program Description

Information Technology forms the technologic infrastructure of modern commerce. It's the drivin force of every industry and permeates everyday lif The ability to combine the power of computing with th management of multimedia information is arguab the key to obtaining ascendancy in any field.

Information Technology is an ever-evolvin expanding field. The Information Technology Progra will provide students with background, knowledge an skills they will need to adapt to the dynamic nature the market place.

The BSIT degree provides a high quality degre program in Information Technology and prepar students for lifelong learning and leadership roles in th field. It prepares our students to better design an develop solutions for complex problems; this will b done by getting a strong foundation, and learnin about new techniques, tools, and methodologies. T prepare our students in writing well and oral communication, importance of service an knowledge of ethics and liberal arts.

Bachelor of Science in Information Technology

Students entering the Information Technology program must complete the following:

1. Earn an overall grade point average of 2.0 or better in courses taken outside of the department.
2. Earn a grade of "C" or better in each course taken within the department.
3. Earn a grade of "C" or better in all direct and indirect prerequisites courses listed in the catalog before advancing to the next level course in a sequence for English, Mathematics, and Science course.
4. Students must take capstone course ITC 492 at CSUDH.

The following courses, or their approved transfer equivalents, are required of all candidates for this degree.

BSIT Major (73 units)

Lower Division Requirements (37 units)

ITC 101 – Intro to Inform. Technology (3)

CSC 121 – Intro to CS & Prog. I (4)

CSC 123 – Intro to CS & Prog. II (4)

ITC 251 – System Prog. in C & UNIX (3)

CTC 228 – Intro to O/S & Network (4)

CSC 255 – Intro to Dyn. Web Prog. (3)

BIO 102 – Biology (3)

BIO 103 – Biology Lab (1)

PHY 100 – Physics (3)

Sciences – Any PHY. or Life Science (3)

MAT 131 – Elementary Statistics (3)

MAT 281 - Discrete Math (3)

Upper Division Requirements (36 units)

CSC 301 – Computer & Society (3)

ITC 310 – IT Project Management (3)

CSC 311 – Data Structure (3)

CTC 316 – O/S & Network Support (3)

CTC 362 – Comm. System Security (3)

ITC 399 – IT Practicum

CTC 452 – Network Sec.& Hack Preven. (3)

ITC 453 – D/B Manage Systems (DBMS) (3)

ITC 459 – IT Security (3)

U. Elect. – Upper Div. CSC/ITC Courses (3)

U. Elect. – Upper Div. CSC/ITC Courses (3)

ITC 492 – Senior Design (3)

**Any Physical Science with Lab AND/OR any Life Science with Lab (10 units each)

Other Computer Science Programs

- ❖ Bachelor of Science in Computer Science **(BSCS)**
- ❖ Bachelor of Arts in Computer Technology **(BACT)**
- ❖ Master of Arts in Computer Science **(MSCS)**

Clubs and Student Organizations

- **Association for Computing Machinery (ACM)**
  ACM@csudh.edu
- **Institute of Electrical and Electronics Engineers (IEEE)**
  IEEE@csudh.edu
- **Cyber Security**
  CyberSec@csudh.edu
- **Computing Alliance of Hispanic-Serving Institutions (CAHSI)**
  CAHSI@csudh.edu

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

        Data Science Track (expected for fall 2025)

    MS in Cyber Security