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.
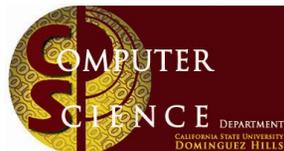
Graduation with Honors

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.

College of Natural and Behavior and Sciences

Department of Computer Science
Mohsen Beheshti, *Department Chair*

Location
Natural Sciences and Mathematics
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 UNIVERSITY
DOMINGUEZ HILLS**

BACHELOR OF SCIENCE INFORMATION TECHNOLOGY

Program Description

Information Technology forms the technological infrastructure of modern commerce. It's the driving force of every industry and permeates everyday life. The ability to combine the power of computing with the management of multimedia information is arguably the key to obtaining ascendancy in any field.

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

The BSIT degree provides a high quality degree program in Information Technology and prepares students for lifelong learning and leadership roles in the field. It prepares our students to better design and develop solutions for complex problems; this will be done by getting a strong foundation, and learning about new techniques, tools, and methodologies. To prepare our students in writing well and oral communication, importance of service and 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