Get on Track

In 24 months gain marketable skills to get hired in positions currently paying:

	Annual Salary	Hourly Wage
Entry-Level	$40,250	$20.40
Median	$68,600	$32.98
Experience	$87,450	$42.04

Note: Earnings exclude benefits. Median earnings represent the wage at which half of the workers in the occupation earned more than that amount.

Transfer

This two year program prepares students for transfer to California State University, Dominguez Hill's Computer Technology program.

Visit http://csc.csudh.edu for more details about the Computer Technology Bachelor's program.

Faculty

John Paul Almeda, M.S.Ed. - Mr. Almeda has been teaching at Long Beach City College since 2014. For a decade, he has taught introductory courses in computer information systems to diverse groups of adult students from all over the globe. As a professional and knowledgeable educator, Mr. Almeda uses technology to immerse his students in 21st Century skills with the aim of preparing them for future continuing education and the demands of today's workforce. He holds industry certifications in IC3 Digital Literacy, Microsoft Office Specialist (MOS), CompTIA A+, Network+, and Security+. jalmeda@lbcc.edu

LONG BEACH
CITY COLLEGE

Computer and Office Studies

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Visit our Website www.LBCC.edu/COS

LONG BEACH CITY COLLEGE

Computer Technology

ASSOCIATE DEGREE

LONG BEACH
CITY COLLEGE

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COSA50 – Intro to IT Concepts & Applications

This course is an introduction to information systems and the common use of office applications. Internet, word processing, spreadsheets, databases, presentation software, and basic internet use will be covered.

COSN5 – Computer Hardware Fundamentals

This course emphasizes personal computers and the latest common components and hardware features such as microprocessors, motherboards, buses, input/output controllers and memory, and other components.

COSP7 – Programming Concepts & Methodologies

This course is an introduction to programming concepts and methodologies including syntax, structured design, debugging, variables identifiers, flowchart and simple UML design, programming error detection, extracting and manipulating data from arrays, array sorting with passing parameter and augmenting test data.

COSP8 – Visual BASIC Programming

The class introduces students to the development of information systems using Visual Basic .NET language. The following programming concepts are covered: the software life-cycle, .Net IDE, data types, control structures, methods, strings and arrays, object oriented programming, GUI design and development, file I/O, database and ASP.

COSW20 – Front End Website Development

This course is a web page construction course focusing on emerging HTML standards, XML, JavaScript and other scripting languages.

CS21 – Introduction to Computer Science - Java

This course introduces Computer Science and the Java programming language. It will cover the basics of programming and software design using a procedure oriented approach.

What is Computer Technology?

Computer 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 arguable the key to obtaining ascendancy in any field. Computer Technology is an ever-evolving, expanding field. The proposed Computer Technology Program will provide students with the background, knowledge and skills they'll need to adapt to the dynamic nature of the marketplace.
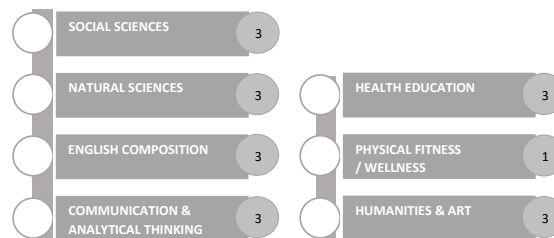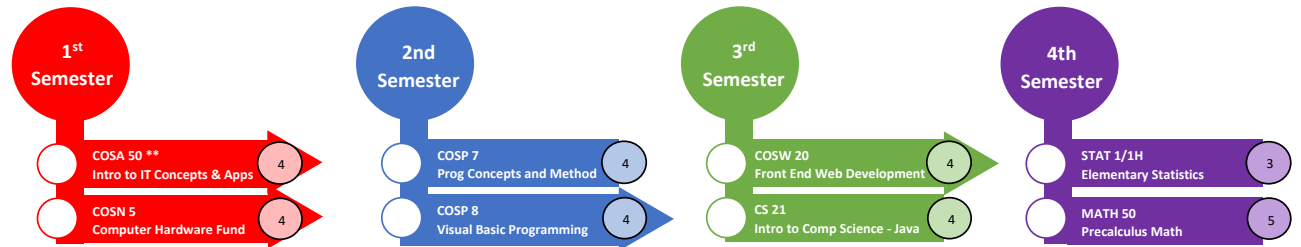
Get Started Today

Computer Technology, 2 Year Associate Degree (60) units
The mission of the Computer Technology degree is to prepare students for careers in a variety of Computer Technology related fields and enhance skills for those who are currently employed. This degree will help students succeed after transferring to California State University, Dominguez Hills.
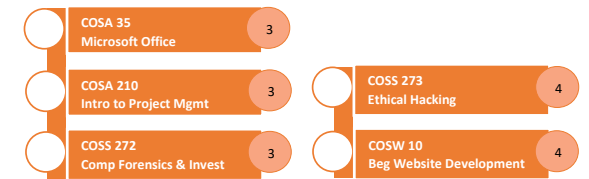
Recommended Plan – 15 units per semester (Core + 19 GE + Electives) = 60 units

REQUIRED COURSES IN PROGRAM (33 UNITS)

1st Semester	2nd Semester	3rd Semester	4th Semester
COSA 50 ** Intro to IT Concepts & Apps — 4	COSP 7 Prog Concepts and Method — 4	COSW 20 Front End Web Development — 4	STAT 1/1H Elementary Statistics — 3
COSN 5 Computer Hardware Fund — 4	COSP 8 Visual Basic Programming — 4	CS 21 Intro to Comp Science - Java — 4	MATH 50 Precalculus Math — 5

SOCIAL SCIENCES — 3	
NATURAL SCIENCES — 3	HEALTH EDUCATION — 3
ENGLISH COMPOSITION — 3	PHYSICAL FITNESS / WELLNESS — 1
COMMUNICATION & ANALYTICAL THINKING — 3	HUMANITIES & ART — 3

REQUIRED GENERAL EDUCATION COURSES (19 units) (See Plan A)
** meets AS degree Information Competency requirement

COSA 35 Microsoft Office — 3	
COSA 210 Intro to Project Mgmt — 3	COSS 273 Ethical Hacking — 4
COSS 272 Comp Forensics & Invest — 3	COSW 10 Beg Website Development — 4

SUGGESTED RELATED ADDITIONAL COURSES (Choose a total of 8 units)