COMPUTER TECHNOLOGY - ASSOCIATE IN SCIENCE

Plan Code: 2126

This degree is designed to prepare students for employment in a variety of computer-related fields. Students wishing a bachelor's degree (transfer program) should meet with a counselor to discuss how this program fully articulates with Cal State Dominquez Hills' Computer Technology Program.

Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Prepare students for transfer to baccalaureate-granting institutions.
- Provide educational and career opportunities in the computer technology field.

Program Requirements

This degree requires the completion of General Education coursework plus the following:

Code Number	Course Title	Units
REQUIRED COURSES		
CS 21	Introduction to Computer Science-Java	3
COSA 50	Intro to IT Concepts and Applications	4
COSN 5	Computer Hardware Fundamentals	4
COSP 7	Programming Concepts and Methodologies	4
COSP 8	Visual Basic Programming	4
COSW 20	Front End Website Development	4
MATH 50	Precalculus Math	5
STAT 1/1H	Elementary Statistics	4
Required Subtotal		**32**
Complete one of the following: [1]		19-39
LBCC General Education (Plan A) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/)		
CSU GE Breadth (Plan B) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/)		
IGETC Pattern (Plan C) (https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/)		
Electives (as needed to reach 60 degree-applicable units) [2]		
Minimum Degree Total		**60**

[1] Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

[2] Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.

COMPUTER TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3126

The Certificate of Achievement in Computer Technology is designed to provide students with a broad base of software development skills to prepare them for software engineering and web-development careers. Students gain practical skills in Java and Visual Basic programming and the development of dynamic web services. Students will also study software design, computer usage and computer hardware to ensure broad-based competencies.

Program Student Learning Outcomes

- Provide educational and career opportunities in the computer technology field.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
CS 21	Introduction to Computer Science-Java	3
COSA 50	Intro to IT Concepts and Applications	4
COSN 5	Computer Hardware Fundamentals	4
COSP 7	Programming Concepts and Methodologies	4
COSP 8	Visual Basic Programming	4
COSW 20	Front End Website Development	4
MATH 50	Precalculus Math	5
STAT 1/1H	Elementary Statistics	4
Total Units		**32**

CRYPTOCURRENCY FUNDAMENTALS - CERTIFICATE OF ACCOMPLISHMENT

Plan Code: 4133

Students will learn the concepts and technologies behind cryptocurrency and blockchain and the software applications and platforms commonly used to research, analyze, invest, and manage Cryptocurrency assets.

Program Student Learning Outcomes

- Explain cryptocurrencies and how they function on a technical and financial level.

Program Requirements

Code Number	Course Title	Units
COSA 240	Introduction to Cryptocurrency	1
COSA 241	Cryptocurrency Financial Software	1
Total Units		**2**

COMPUTER INFORMATION COMPETENCY - CERTIFICATE OF COMPLETION

Plan Code: 4128

Students will develop proper typing technique and build speed and accuracy. Students will also learn the basics of hardware, Internet knowledge, word processing, spreadsheet, digital data presentations, and communications applications.

Program Student Learning Outcomes

- Comprehension and application of a broad range of computer and Internet concepts and effectively create word processing documents, workbooks, and digital presentations.

Program Requirements

Code Number	Course Title	Hours
REQUIRED COURSES		
COSA 601	Computer Information Competency	36
COSK 633	Computer Keyboarding Skills	36
Total Hours		**72**

CRYPTOCURRENCY FUNDAMENTALS - CERTIFICATE OF COMPLETION

Plan Code: 4134

Students will learn the concepts and technologies behind cryptocurrency and blockchain and the software applications and platforms commonly used to research, analyze, invest, and manage Cryptocurrency assets.

Program Student Learning Outcomes

- Explain cryptocurrencies and how they function on a technical and financial level.

Program Requirements

Code Number	Course Title	Hours
COSA 640	Introduction to Cryptocurrency	18
COSA 641	Cryptocurrency Financial Software	18
Total Hours		**36**