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

<table>
<thead>
<tr>
<th></th>
<th>Annual Salary</th>
<th>Hourly Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entry-Level</td>
<td>$40,250</td>
<td>$20.40</td>
</tr>
<tr>
<td>Median</td>
<td>$68,600</td>
<td>$32.98</td>
</tr>
<tr>
<td>Experience</td>
<td>$87,450</td>
<td>$42.04</td>
</tr>
</tbody>
</table>

**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

Computer and Office Studies
4901 E. Carson Street, Long Beach, CA 90808
1305 E. Pacific Coast Hwy., Long Beach, CA 90806

LAC (562) 938-4904 • PCC (562) 938-3033

Visit our Website www.LBCC.edu/COS
**Professional Training = QUALIFIED EMPLOYEES**

**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 ascendency 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)**

<table>
<thead>
<tr>
<th>1st Semester</th>
<th>2nd Semester</th>
<th>3rd Semester</th>
<th>4th Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>COSA 50 **</td>
<td>COSP 7 Prog Concepts and Method</td>
<td>COSW 20</td>
<td>STAT 1/1H Elementary Statistics</td>
</tr>
<tr>
<td>COSN 5</td>
<td>COSP 8 Visual Basic Programming</td>
<td>CSS 21 Intro to Comp Science - Java</td>
<td>MATH 50 Precalculus Math</td>
</tr>
<tr>
<td>COSA 210 Intro to Project Mgmt</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**REQUIRED GENERAL EDUCATION COURSES (19 units) (See Plan A)**
- SOCIAL SCIENCES 3
- NATURAL SCIENCES 3
- ENGLISH COMPOSITION 3
- COMMUNICATION & ANALYTICAL THINKING 3
- HEALTH EDUCATION 3
- PHYSICAL FITNESS 1
- HUMANITIES & ART 3
- COMMUNICATION & ANALYTICAL THINKING 3

**SUGGESTED RELATED ADDITIONAL COURSES (Choose a total of 8 units)**
- COSA 210 Intro to Project Mgmt
- COSP 377 Cyber Forensics
- COSA 35 Microsoft Office
- COSW 10 Front Website Development

**Visit [www.LBCC.edu/COS](http://www.LBCC.edu/COS) for more details about the Computer Technology program.**