

COMPUTER TECHNOLOGY

Curriculum Guide for Academic Year 2014-2015

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Students planning to **transfer** to a four-year college or university should refer to the ASSIST web site at www.assist.org and **consult a counselor** before beginning a program of study. Please call (562)938-4561 (LAC) or (562)938-3920 (PCC) to schedule a counseling appointment. Students may also wish to visit the Transfer Center on either campus.

Program of study leading to:
Associate in Science (A.S.) Degree

COMPUTER TECHNOLOGY REQUIRED COURSES			UNITS	In Progress	Completed Grade
	COSA 50	Introduction to IT Concepts & Applications	4		
	COSN 5	Computer Technician Hardware Basics	4		
	COSP 7	Business Programming Logic & Design	4		
	COSP 8	Visual BASIC Programming	4		
	COSW 20	Dynamic HTML Web Construction	4		
†	CS 21A	Java: Computer Science 1	4		
†	STAT 1/1H	Elementary Statistics	3		
†	MATH 45 OR	College Algebra OR	4 OR		
†	MATH 50	Precalculus Math	5		
TOTAL			31-32		

For graduation with an **Associate in Science (A.S.) Degree with a major in Computer Technology**:

- Minimum Unit Requirements:** Any course that appears on a curriculum guide and the General Education Pattern (Plan A) may fulfill both major and general education requirements (Approved by College Curriculum Committee Spring 2012). For this degree, complete a minimum of 60 units in courses numbered 1-599. Please note that additional elective units may be required to meet this minimum based upon courses selected to fulfill General Education for the Associate Degree.

Computer Technology Major	31-32 Units
General Education/ A.S. §	19 Units
- Scholarship:** Maintain an **overall grade point average (GPA) of 2.0** ("C" average) based on all accredited college work applied to the degree, no matter where completed. For this **field of concentration, complete each course above** with a **grade of "C" or better**, or "P" if course is graded on a P/NP basis.
- Residence for the Degree:** Complete at least 30 units of the required 60 in residence at LBCC, or complete in residence at LBCC at least 20 units within the last 30 units of work applied to the degree.
- Residence for the Field of Concentration:** Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at **least 15.5-16 units** of the required 31-32 units must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
- General Education and Proficiency Requirements:** Complete the required A.A./A.S. General Education and Proficiency requirements*, otherwise known as "Plan A". For Plan A requirements, refer to the general catalog or view it online at <http://osca.lbcc.edu>.

Associate Degree requirements continue on following page.

Associate Degree requirements continued from previous page.

6. **General Education and Proficiency Requirements:** Complete the required A.A./A.S. General Education and Proficiency requirements*, otherwise known as "Plan A". For Plan A requirements, refer to the general catalog or view it online at <http://osca.lbcc.edu>.
7. Complete and submit the degree application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/>. Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.

*The requirements for general education/proficiency and the field of concentration (major) need to be from the same catalog year. This catalog year may be any year between the year of initial enrollment to the present, provided continuous enrollment is maintained throughout. See the catalog for definition of "continuous enrollment".

Program of study leading to:
Certificate of Achievement

REQUIRED COURSES—Complete the units of required courses as listed in the Associate Degree requirements box.

TOTAL UNITS 31-32

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For graduation with a **Computer Technology Certificate of Achievement:**

1. Complete each of the **REQUIRED COURSES** listed above with a **minimum grade of "C"**.
2. Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at **least 15.5-16 units** of the required 31-32 units must be **completed at Long Beach City College**. Credit earned by exam, where applicable, may be included.
3. Complete and submit the certificate application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/>. Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.

Program of study leading to:
Certificates of Accomplishment

Certificate: Cyber Security 4106

<u>REQUIRED COURSES</u>		UNITS	In Progress	Completed Grade
COSN 10	Networking Fundamentals	4		
COSS 200	Wireless Communications	2		
COSS 271	Network Security Fundamentals	3		
COSS 272	Forensics Digital Analysis and Validation	4		
COSS 273	Computer Forensics and Analysis	4		
TOTAL UNITS		17		

Certificate: Computer Hardware Technician 4126

<u>REQUIRED COURSES</u>		UNITS	In Progress	Completed Grade
COSN 3	Operating Systems: Software and Hardware	4		
COSN 5	Computer Technician Hardware Basics	4		
TOTAL UNITS		8		

Certificate of Accomplishment requirements continue on following page.

Certificate of Accomplishment requirements continued from previous page.

Certificate: Business Digital Literacy 4130

REQUIRED COURSES

COSA 1 Computer Information Competency

UNITS

1

In Progress	Completed Grade

TOTAL UNITS

For graduation with a **Certificate of Accomplishment**:

1. Complete the above required courses with a minimum grade of “C”, or “P” if course is graded on a P/NP basis.
2. Fifty percent (50%) or more of the required units must be completed in residence at LBCC.

Complete and submit the certificate application form to the Admissions and Records office during your final semester of coursework. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu>.

Career Opportunities

This **Associate Degree or Certificate of Achievement** is a two-year program leading to the Associate in Science (A.S.) degree. It 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 Mission and Outcomes

Prepare students for careers in a variety of Computer Technology related fields and enhance skills for those who are currently employed in that area.

Outcomes:

- To prepare students for transfer to baccalaureate-granting institutions.
- Provide educational and career opportunities in the computer technology field.

Legend

† This course has a prerequisite. Prerequisite courses must be complete with at least a “C” or “P” grade. Refer to the General Catalog (<http://www.lbcc.edu/cat/index.html>), the Schedule of Classes (<http://schedule.lbcc.edu/>), or the online Credit Course Outline (<http://wdb-asir.lbcc.edu/coursecurriculum/coursedetails/>) for specific prerequisite information.