

WEB DEVELOPMENT

Curriculum Guide for Academic Year 2019-2020

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

Program of study leading to:								
Associate in Science (A.S.) Degree								
					In	Completed		
-	DESIGN COURSES	latas ta IT Osassata 8 Analisatisas			Progress	Grade		
-	OSA 50	Intro to IT Concepts & Applications		4				
-	OSP 7	Programming Concepts and Methodologies		4				
	OSP 38 OSW 10	Database Concepts		4				
-	OSW 10	Beginning Website Development Front End Website Development		4 4				
	OSW 30	Web Development with PHP/MySQL		4				
-	OSW 200	Introduction to JavaScript and jQuery		4				
-	OSW 240	Intro to Content Management Systems		3				
U	0311 240	č	TOTAL	31				
	duction with an Arr!-							
For graduation with an Associate in Science (A.S.) Degree with a major in Web Development: 1. Units: Complete a minimum of 60 units, distributed as follows: Web Development Units 31 Units General Education/A.A. 25 Units								
 General Education/A.A. 25 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 12 semester units of the required 60 semester units in residence at Long Beach City College in order for the college to grant an Associate of Arts and/or an Associate of Science 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 1.5 units of the 31 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: Complete the requirements, refer to the general catalog or view it online at http://osca.lbcc.edu. Complete and submit the degree application form to 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".								

WEB DEVELOPMENT 2019-2020 AS = 2128; C-ACH = 3128; C-ACC = 4129; C-ACC = 4131; C-ACC = 4119; Page 1 of 3 Published: 05/20/19

Departmental Phone: 562-938-4904, Website: www.lbcc.edu/COS Information on this sheet is subject to change without notice. Any updates to this guide are posted at <u>http://osca.lbcc.edu</u>.

Program of study leading to: **Certificate of Achievement in Web Development** REQUIRED COURSES—Complete the 31 units of required courses as listed in the Associate Degree requirements box on the first page. In **REQUIRED COURSES** Progress Completed TOTAL UNITS 31 For graduation with a Web Development Certificate of Achievement: Complete each of the REQUIRED COURSES listed above with a minimum grade of "C", or better, or "P" if course is 1. graded on a P/NP basis. 2. Complete fifty percent (50%) or more of the unit requirements for this field of concentration in residence; this means at least 15.5 units of the required 31 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: **Certificate of Accomplishment**

Certificate: Android App Developer 4119

Note: Students will learn programming skills in Java or C++, Android App development and Database hands-on

REQUIRED COURSES			UNITS	In Progress	Completed Grade
CS 21 OR	Introduction to Computer Science - Java	a OR	4 OR		
CS 11	Introduction to Computer Science – C+-		4		
COSP 230	Android App Development in Java		3		
		TOTAL UNITS	7		
	Programmer Certificate 4129 w to build robust web applications with PHP	and MySQL.		In	Completed
REQUIRED COURSES			UNITS	Progress	Grade
COSP 38	Database Concepts		4		
COSW 10	Beginning Website Development		4		
COSW 30	Web Development with PHP/MySQL		4		
COSW 200	Introduction to JavaScript and jQuery		4		
		TOTAL UNITS	16		
	oper <mark>4131</mark> odern web development skills including HTN	ML, CSS, JavaSci	ript, and re	esponsive des	ign for a
lote: Students will learn m		ML, CSS, JavaSci	ipt, and re	esponsive des	ign for a Completed
lote: Students will learn m ariety screen sizes.		ML, CSS, JavaSci	ipt, and re	_	-
		ML, CSS, JavaSci		In	Completed
l ote : Students will learn m ariety screen sizes. REQUIRED COURSES	odern web development skills including HTM Beginning Website Development Dynamic HTML Web Construction	ML, CSS, JavaSci	UNITS	In	Completed
l ote : Students will learn m ariety screen sizes. REQUIRED COURSES COSW 10	odern web development skills including HTN Beginning Website Development	ML, CSS, JavaSci	UNITS 4	In	Completed

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Choose FOUR (4) Units	from the following courses:			In	Completed
REQUIRED COURSES			UNITS	Progress	Grade
COSP 201	Intro to Mobile App Development		1		
COSW 30	Web Development with PHP/MySQL		4		
COSW 230	Ruby on Rails Web Development		3		
COSW 240	Intro to Content Management Systems		3		
		TOTAL UNITS	16		
					_
For graduation with a Certific		"O" "D" :(
	required courses with a minimum grade of			ed on a P/NP	basis.
,	or more of the required units must be completing to the Admission of				

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

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 Web Development related fields. Students wishing a bachelor's degree (transfer program) should meet with a counselor to discuss how this program full articulates with other schools.

Program Mission and Outcomes

The mission of the web development program is to prepare students for careers as Web Design developers and enhance skills for those who are currently employed in the industry.

Outcomes:

- Create websites by employing several web design tools and programming languages.
- Demonstrate and apply effective web development skills for a variety of industries and organizational situations.

Outcomes (Certificate of Accomplishment – Android App Developer)

- Demonstrate the ability to create, design, and implement java based Android application (apps) using the Android API.
- Show the skills to create, manage, and use databases and SQL for Android applications (apps).
- Be able to complete the full development process for Android Applications (apps).

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.

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