

Torrance USD Program of Study for INF Software & Systems Development-Web/Social Media Pathway 174B

Industry Sector: Information & Communication Technologies (INF)						Pathway: Software & Systems Development-Web/Social Media (174B)				
Torrance Unified School District (TUSD) Program of Study										
Site	Grade	English	Math	Social Studies	Science	Other Required Courses or Recommended Electives			Career Technical Education Course	Occupations, Degrees, & Certificate Programs
T O R R A N C E U N I F I E D	7	English 7	Math 7	Soc. St. 7	Science 7	Elective	PE	--	--	<u>Occupations (High School Diploma)</u> • Jr Web Developer
	8	English 8	Math 8	Soc. St. 8	Science 8	--	PE	--	PLTW Computer Science CSIM & AC	<u>Occupations (Training/2-Yr Degree)</u> • Web Developer/Administrator • Desktop Publisher • Web Content Specialist • WordPress Developer • Multimedia Artist/Animator
	9	English 1	Algebra 1	--	Biology	World Lang	PE	Health	Web & Social Media 1	
	10	English 2	Geometry	*World History	Chemistry	World Lang	PE	--	Web & Social Media 2	
	11	English 3 or AP Comp	Algebra 2	*US History	Science Elective	World Lang	--	--	Yearbook Design & Publishing	
	12	*English 4 or AP Lit	Math Elective	Gov/Econ	--	--	--	--	--	<u>Occupations (4-Yr Degree/Higher)</u> • Database Administrator • PHP developer • JavaScript developer • Full-stack developer • Web application developer • Graphic Designer • Computer Programmer
	UC CSU	4 Yrs Req	3 Yrs Req 4 Yrs Rec	2 Yrs Req	2 Yrs Req 3 Yrs Rec	2 Yrs Req 3Yrs Rec	--	1 Yr Fine Arts Req 1 Yr Elective Req	CTE is not req for UC/CSU/TUSD --	
	TUSD	4 Yrs Req	2 Yrs Req	2 Yrs Req & Econ/Gov	2 Yrs Req	1 Yr Lang or Fine Art Req	2 Yrs Req	1 Sem Health Req	<i>These CTE courses meet the Fine Arts & Elective Req.</i>	
E L C A M I N O C O L L E G E	* Indicates a course that has the option of earning high school credit AND college credit through El Camino (see your high school counselor for details on dual enrollment & articulation)									<u>Degree Programs</u> • Digital Design & Publication • Web Page, Digital/Multimedia & Info Resources Design • Web/Multimedia Mngt; Webmaster • Prepress/Desktop Publishing & Digital Imaging Design • Computer Science/Programming
	13 ↓ 15	<u>General Education Requirements for ECC Majors</u> <u>Required Categories for ECC AS Degree</u> Natural Sciences (3 units) Social and Behavioral Sciences (3 units) Humanities (3 units) Language and Rationality (6 units) • One course from each section: A & B Health & PE (3 units) • Exemption Options: Pass the Contemporary Health Waiver Exam or obtain approval for the Petition for Military Service Credit. Mathematics • Option 1: Pass the Math Competency Test • Option 2: Pass one approved Math class with a C or better Electives • Additional units needed to total 60 units • Courses cannot double count in multiple categories				<u>ECC Computer Info Systems AS Degree Requirements</u> <u>AS Degree in CIS</u> Required 9 Units CIS 13, 119, and 26 or 28 Required 17-20 w/in ONE of the following areas: <u>Help Desk:</u> Business 27, 60A, 60B; CIS 2, 11, 40 <u>Database:</u> CIS 18, 28, 29, 80, 84 <u>Networking:</u> CIS 40, 137, 140, 141, 142, 143 <u>Programming:</u> CIS 16, 18, 80, 133, 134 <u>Mobile/Web Programming:</u> CIS 84, 132, 133, 134, 136 <u>Cybersecurity:</u> Admin of Justice 142; CIS 119, 120, 121, 122, 137		<u>Computer Science Certificate of Completion</u> Required Courses Comp Sci 1, 2 Required 3 Courses From: Comp Sci 3, 12, 16, 30, 40 Math 210 Required: minimum grade of C or better in each course Please Note: computer science courses are designed primarily for students to transfer to a 4-year institution.		<u>Industry Certifications/Licenses</u> Offered through Precision Exams • Digital Media 1A • Digital Print Design Offered through El Camino • Cisco Network Admin • Cloud Computing w/ Amazon • Computer Systems Apps • Computer User Support Specialist • Cybersecurity • Database Management
		Please note, additional courses are needed to meet the <u>UC/CSU Transfer Requirements</u> . See your ECC counselor for details.								

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	12	*English 4 or AP Lit	Math Elective	Gov/Econ	--	--	--	--	--	<u>Occupations (4-Yr Degree/Higher)</u> • Database Administrator • PHP developer • JavaScript developer • Full-stack developer • Web application developer • Graphic Designer • Computer Programmer	
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L O N G B E A C H C I T Y C O L L E G E	* Indicates a course that has the option of earning high school credit AND college credit through El Camino (see your high school counselor for details on dual enrollment & articulation)										
	13 ↓ 15	<u>General Education Requirements for LBCC Majors (Plan A)</u>					<u>LBCC Requirements for AA Degree in Digital Design & Publication</u>				
		<u>Required Categories for LBCC AS Degree</u> English Composition (3 units) Communication & Analytical Thinking (3 units) Natural Sciences (3 units) Social Sciences (3 units) American History (3 units)--AA degree only Political Science (3 units)--AA degree only Humanities (3 units) PE (1 unit) Health (3 units) Mathematics • Option 1: Pass the LBCC Math Assessment Test • Option 2: Pass one approved Math class with a C or better Electives • Additional units needed to total 60 units • Courses cannot double count in multiple categories Meet the Reading & Writing Proficiency Requirements Meet the Information Competency Requirements					<u>Required Courses (6 units)</u> Journ 1A, 25 <u>Additional Courses (12-14 units) from:</u> Journ 1B, 5, 6, 20, 40, 80, 81, 82, 83, 86, 87, 88				
		Please note, additional courses are needed to meet the UC/CSU Transfer Requirements. See your LBCC counselor for details.									

- Degree Programs
- Digital Design & Publication
 - Web Page, Digital/Multimedia & Info Resources Design
 - Web/Multimedia Mngt; Webmaster
 - Prepress/Desktop Publishing & Digital Imaging Design
 - Computer Science/Programming
- Industry Certifications/Licenses
- Offered through Precision Exams
- Digital Media 1A
 - Digital Print Design
- Offered through LBCC
- Certificate of Achievement in Digital Design & Publication