

# Industry Sector: Information Technology

Pathway: AS Degree: Business/Web Development



## California Sample Program of Study

Level	Grade	English Language Arts	Math	Social Studies	Science	Career Technical Education Course	Other Required Courses or Recommended Electives		Sample Occupations relating to this pathway (Including SOC Code)	
SECONDARY	9	English	Math	Social Science	Science		Physical Education		Occupations requiring a high school diploma File clerks <ul style="list-style-type: none"> <li>Data Processing Clerks</li> <li>Inventory Clerks</li> <li>Insurance reviewers</li> </ul> Occupations requiring some post-secondary <ul style="list-style-type: none"> <li>Administrative Service Technician</li> <li>Communication Technologies</li> </ul>	
	10	English	Math	World History	Science		Physical Education	Visual/Performing Arts or Foreign Language		
	11	English		US History		Introduction to Programming				
	12	English (Recommended)		Civics and American Government						
(High School courses listed above are the Minimum State requirements)										
POSTSECONDARY	13	<b>AS Degree Suggested Course Sequence Years 1 &amp; 2</b>								Occupations requiring a 2 year Degree <ul style="list-style-type: none"> <li>Business Manager</li> <li>Business Programmers</li> </ul> Occupations requiring a BA/BS Degree <ul style="list-style-type: none"> <li>Product Development</li> <li>Computer Software Engineer</li> <li>Computer Network Specialist</li> </ul> Industry recognized certifications, licenses, credentials or apprenticeships related to this pathway. <ul style="list-style-type: none"> <li>None</li> </ul>
		<b>Fall Year 1</b>	<b>Spring Year 1</b>	<b>Fall Year 2</b>	<b>Spring Year 2</b>					
	14	<b>CCTDM 12</b> Website Development Applications (3) -or- <b>CCTIS 30</b> Financial Worksheets on Computers (3)	<b>CCTDM 10</b> Introduction to HTAML and CSS (3) -or- <b>CCTIS 10</b> Computer Concepts & Info Systems (4)	<b>CCTPG 9</b> Operating Systems Windows Unix/Linus (4)	<b>CCTIS 29</b> -or- <b>BUSAD 29</b> Project Management (3)					
		<b>CCTDM 50</b> Photo Editing for Digital and Print Publication (3) -or- <b>OFTEC 141</b> Intermediate Word Processing (3)	<b>CCTPG 5</b> Introduction to Programming (3)	<b>CCTPG 51</b> Database Management (3)	<b>CCTDM 14</b> Advanced Topics in Website Development (3) -or- <b>BUSAD 40</b> Principles of Management (3)					
		GE (3)	GE (3)	GE (3)	<b>Math 2</b> Statistics (4) <i>Meets GE Area B.4</i>					
		Physical Education Activity Course (1)	GE (3)	GE (3)	GE (3)					
			<b>BUSAD 161A</b> Small Business Accounting (4)	Physical Education Activity Course (1)						
GE requirements – One each from the following areas: (A.1 or A.3, A.2, B.1 or B.2, Math 104, C.1 or C.2, one course from DO-D9, one course E, plus 1 Physical Education activity courses and one additional unit of activity.)										