

Computer Programming and Analysis

2009–2010

Suggested Course Planning Guide

Associate in Science Degree

Full-time Students

<u>Semester 1</u> (12 credits)	<u>Semester 2</u> (12 credits)	<u>Semester 3</u> (12 credits)
<p>+*ENC 1101 Freshman Comp I +*MAC 1105 College Algebra +COP 1006 Intro to Programming Concepts +CGS 1560 Intro to Operating Systems OR CET 2179C A+ Concepts (Software)</p>	<p>CGS 2100 Computer Fundamentals and Appl. ^Humanities +COP 2822 Web Site Development +*COP 2220 C Programming OR +*COP 2800 Java Programming OR +*COP 1332 Visual Basic Programming OR +*COP 2360 C# Programming</p>	<p>+CGS 2545 Database Management Systems +*COP 2224 C++ Programming OR +*COP 2805 Advanced Java Programming OR +*COP 2823 Advance Microsoft Application Development OR +*COP 2823 Advance Microsoft Web Development GEB 1011 Intro to Business SPC 1608 Fundamentals of Speech</p>
<p><u>Semester 4</u> (14 credits)</p> <p>*COP 2830 Scripting Languages Computer Programming Elective (10 credits) *CIS 2942 Internship in Computer Programming OR SLS 1303 Job Search</p>	<p><u>Semester 5</u> (13 credits)</p> <p>Computer Programming Elective (3 credits) ^Social Science CGS 2091 Social, Legal & Ethical Issues in I.T. OR +*ENC 1102 Freshman Composition II *CIS 2910 IT Capstone</p>	<p>*This course has prerequisite; check description in Valencia Catalog. +This course must be completed with a grade of "C" or better. ^Check Valencia Catalog for course selection.</p>

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Part-time Students		
<p style="text-align: center;"><u>Semester 1 (9 credits)</u></p> <p>+*ENC 1101 Freshman Composition I +COP 1006 Intro to Programming Concepts +CGS 1560 Intro to Operating Systems OR CET 2179C A+ Concepts (Software)</p>	<p style="text-align: center;"><u>Semester 2 (9 credits)</u></p> <p>+*MAC 1105 College Algebra CGS 2100 Computer Fundamentals and App. +*COP 2220 C Programming OR +*COP 2800 Java Programming OR +*COP 1332 Visual Basic Programming OR +*COP 2360 C# Programming</p>	<p style="text-align: center;"><u>Semester 3 (9 credits)</u></p> <p>+ COP 2822 Web Site Development +CGS 2545 Database Management Systems +*COP 2224 C++ Programming OR +*COP 2805 Advanced Java Programming OR +*COP 2823 Advance Microsoft Application Development OR +*COP 2823 Advance Microsoft Web Development</p>
<p style="text-align: center;"><u>Semester 4 (10 credits)</u></p> <p>^Humanities Computer Programming Elective (6 credits) +*CIS 2942 Internship in Computer Programming OR SLS 1303 Job Search</p>	<p style="text-align: center;"><u>Semester 5 (9 credits)</u></p> <p>*COP 2830 Scripting Languages Computer Programming Elective (3 credits) CGS 2091 Social, Legal & Ethical Issues in I.T. OR +*ENC 1102 Freshman Composition II</p>	<p style="text-align: center;"><u>Semester 6 (10 credits)</u></p> <p>Computer Programming Elective (4 credits) SPC 1608 Fundamentals of Speech ^Social Science</p>
<p style="text-align: center;"><u>Semester 7 (7credits)</u></p> <p>*CIS 2910 IT Capstone</p>		<p>*This course has prerequisite; check description in Valencia Catalog. +This course must be completed with a grade of "C" or better. ^Check Valencia Catalog for course selection</p>