



Computer Science Major



Science & Technology Department

Computer Science studies the representation, storage, and transformation of data into useful information using electronic computing machines. This highly rewarding discipline focuses on the structure and operation of computer systems, the principles that underlie their design and programming, effective methods for their use in different classes of information processing tasks, and the theoretical characterizations of their properties and limitations. Having successfully completed the computer science degree program, the student will be prepared to enter a lucrative job market or continue his/her studies at the graduate level.

FIRST YEAR						
First Semester			Credits	Second Semester		Credits
Freshman Seminar			1	CPSC 211	Data Structures	3
BIBL	111	Essential Christianity	3	MATH 212	Discrete Math	3
CPSC	111	Introduction to Computer Science	3	BIBL 115	Old Testament Literature	3
*ENGL	111 or 211		3	Humanities Elective		2-3
Humanities Elective			2-3	Social Science Elective		3
Social Science Elective			<u>3</u>	PHED 112	Lifetime Fitness	<u>1</u>
Total			15-16	Total		15-16
SECOND YEAR						
First Semester			Credits	Second Semester		Credits
CPSC	215	Assembly Language Programming	3	CPSC 225	Computer Hardware Organization	3
CPSC	231	Introduction to File Processing	3	MATH 210	Elementary Statistics	3
BIBL	116	New Testament Literature	3	THEO 216	Introduction to Theology	3
Natural Science (With Lab)			4	Second High Order Language		3
Minor Requirement			<u>3</u>	PHED 1xx	Elective (Activity)	1
Total			16	Minor Requirement		<u>3</u>
				Total		16
THIRD YEAR						
First Semester			Credits	Second Semester		Credits
CPSC	415	Operating Systems	3	CPSC 311	Systems Analysis	3
BIBL	3xx	Book Study	3	CPSC 441	Data Base Management Systems	3
MATH	231	Calculus and Analytical Geometry I	4	MATH 232	Calculus & Analytical Geometry II	4
BUED	335	Business Communications	3	THEO 422	Christianity at Work	3
Minor Requirement			<u>3</u>	Minor Requirement (UD)		<u>3</u>
Total			16	Total		16
FOURTH YEAR						
First Semester			Credits	Second Semester		Credits
CPSC Elective (UD)			3	CPSC 493	Senior Project	3
MATH	331	Linear Algebra	3	Social Science Elective		3
Minor Requirement (UD)			3	Natural Science (Without Lab)		3
Humanities Elective			3	Minor Requirement(s) or Elective(s) (UD)		3
Social Science Elective			<u>3</u>	Humanities Elective		<u>3</u>
Total			15	Total		15

Placement into ENGL 111 or 211 (and whether ENGL 102 is required prior to that course) dependent upon ACT or SAT score.
(UD) = Upper Division Credits

Total credits in the major: 42 (33 CPSC, 9 related credits)

Total credits required for graduation: Minimum of 124

Total upper division credits for graduation: Minimum of 36

Graduation also requires an overall GPA of at least 2.0 and 30 of the final 40 credits must be taken at Evangel.