

Cybersecurity Track (Computer Science Major)

Computer Science studies the representation, storage, and transformation of data into useful information using electronic computing machines. It affects practically all aspects of contemporary life. The main objects of study are digital computers and the phenomena surrounding them. Work in the discipline is focused 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 theoretical characterizations of their properties and limitations. Although the field of computer science is relatively young, it is a fast-growing, rewarding discipline. The Computer Science program at EU provides the basic fundamentals of the field in preparing students for immediate entry into the computer industry or for continued study at the graduate level.

Suggested Course Sequencing: Recommended 15 – 18 hours per semester;
however, attending summer school will reduce semester hours.

Freshman year

Semester 1	Cr
CPSC 111 Introduction to Computer Science	3
GSCI 100 University Seminar	1
BIBL 111 Essential Christianity	3
Effective Communication Option	3
FIN 138 Personal Finance	3
Humanities Option	3

16

Semester 2	Cr
CPSC 211 Data Structures	3
MATH 212 Discrete Mathematics	3
BIBL 115 Old Testament Literature	3
Historical Inquiry Option	3
PSYC 138 Psychology of Healthy Relationships	3
EXER 101 Lifetime Health Awareness	1

16

Sophomore year

Semester 1	Cr
CPSC 215 Assembly Language Programming	3
CPSC 250 Introduction to Cybersecurity	3
BIBL 116 New Testament Literature	3
Natural Science with lab	4
Minor Requirement	3

16

Semester 2	Cr
CPSC 225 Computer Hardware Organization	3
CPSC 311 Systems Analysis and Design	3
MATH 210 Statistics	3
Reading and Imagination Option	3
Minor Requirement	3
Behavioral and Social Sciences Option	3

18

Junior year

Semester 1	Cr
CPSC 415 Operating Systems	3
MATH 231 Calculus I (recommended)	4
CPSC 325 Data Communications	3
BIBL 360-370 Book Study	3
Minor Requirement	3

16

Semester 2	Cr
CPSC 420 Cyber for Developers	3
CPSC 441 Database Management Systems	3
MATH 232 Calculus II (recommended)	4
Artistic Expression Option	3
CPSC 448 Computer Forensics	3

16

Senior year

Semester 1	Cr
CPSC 448 Cryptography	3
MATH 331 Linear Algebra (recommended)	3
CPSC 497 Internship	3
THEO 320 Pentecost	3
Minor Requirement	3
ICST 350 Global Connections	3

18-Jan

Semester 2	Cr
CPSC 493 Senior Project	3
CPSC 448 Ethical Hacking	3
Natural Science without lab	3
Electives or Minor Requirements (Upper Division)	6-9

15-18

Total minimum to graduate 124
and must include at least 36 upper division credits

Graduation requires an overall GPA of at least 2.0, and 30 of the 40 final credits must be taken at Evangel. The listing above only represents a suggested course sequencing as required to graduate with this major. Students are ultimately responsible for their own degree program. An academic advisor is assigned to the student for guidance in these matters, but the responsibility for meeting the requirements belongs to the student.

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University Writing Proficiency and Placement Information

Writing Proficiency earned by . . . circle one: ENGL 111 ACT/SAT/CLT (Score:) AP CLEP IB

ACT English ≥ 26 or SAT Writing/Language (W/L) ≥ 33, CLT Writing/Grammar (W/G) ≥ 32: Student is proficient. Enroll in Effective Communication option. Refer to each term's "Core Options" document for available choices.

If transfer student has ENGL 111 composition only, enroll in a 200-level Effective Communication course.

If transfer student has a 200-level (or above) composition course, check for Speech course. If no Speech listed, enroll in COMM 211.

If transfer student has a 200-level composition course AND a Speech course, he or she is proficient.

If student has no test scores, enroll in ENGL 102.

ACT English = 24-25, SAT W/L 31-32, CLT W/G 30-31: take Writing Step-Up Exam in first semester.

ACT English 20-23, SAT W/L 28-30, CLT W/G 24-29: ENGL 111	3	Wellness Proficiency	Cr	<input checked="" type="checkbox"/>
ACT English 16-19, SAT W/L 23-27, CLT W/G 19-23: ENGL 102	2	EXER 101 Lifetime Health Awareness	1	<input type="checkbox"/>
ACT English ≤ 15, SAT W/L ≤ 22, CLT W/G ≤ 18: ENGL 100	1			

Core Curriculum Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
GSCI 100 University Seminar	1	<input checked="" type="checkbox"/>	Effective Communication Option (WPR)**	3	<input type="checkbox"/>
BIBL 111 Essential Christianity	3	<input checked="" type="checkbox"/>	MATH 210 (Preferred), 129, or 231 (4 credits)	3	<input type="checkbox"/>
BIBL 115 Old Testament Literature	3	<input checked="" type="checkbox"/>	Historical Inquiry Option*	3	<input type="checkbox"/>
BIBL 116 New Testament Literature	3	<input checked="" type="checkbox"/>	Artistic Expression Option*	3	<input type="checkbox"/>
BIBL 360 - 370 Book Study (WPR)*	3	<input checked="" type="checkbox"/>	Behavioral and Social Sciences Option*	3	<input type="checkbox"/>
THEO 320 Pentecost	3	<input checked="" type="checkbox"/>	Humanities Option*	3	<input type="checkbox"/>
ICST 350 Global Connections*	3	<input checked="" type="checkbox"/>	Healthy Relationships: PSYC 138 (Preferred) or 112	3	<input type="checkbox"/>
Natural Science without Lab Option*	3	NA	Christian Stewardship: FIN 138 Personal Finance	3	<input type="checkbox"/>
Natural Science with Lab Option*	4	<input checked="" type="checkbox"/>	Reading and Imagination: ENGL 123*	3	<input type="checkbox"/>
*Refer to each term's "Core Options" document for available choices. WPR = Writing Proficiency Required: ENGL 111 or ACT English ≥ 26			**ENGL/COMM 205 or 341; ENGL 211, 212, or 236 If student has ENGL 201 in transfer, enroll in COMM 211.		

Program Requirements

	Cr	<input checked="" type="checkbox"/>		Cr	<input checked="" type="checkbox"/>
CPSC 111 Introduction to Computer Science	3	<input checked="" type="checkbox"/>	CPSC 420 Cyber For Developers	3	<input type="checkbox"/>
CPSC 211 Data Structures	3	<input checked="" type="checkbox"/>	CPSC 441 Database Management Systems	3	<input type="checkbox"/>
CPSC 215 Assembly Language Programming	3	<input checked="" type="checkbox"/>	CPSC 448 Computer Forensics	3	<input type="checkbox"/>
CPSC 225 Computer Hardware Organization	3	<input checked="" type="checkbox"/>	CPSC 448 Ethical Hacking	3	<input type="checkbox"/>
CPSC 250 Introduction to Cybersecurity	3	<input checked="" type="checkbox"/>	CPSC 448 Cryptography	3	<input type="checkbox"/>
CPSC 311 Systems Analysis and Design	3	<input checked="" type="checkbox"/>	CPSC 497 Internship	3	<input type="checkbox"/>
CPSC 325 Data Communications	3	<input checked="" type="checkbox"/>	CPSC 493 Senior Project	3	<input type="checkbox"/>
CPSC 415 Operating Systems	3	<input checked="" type="checkbox"/>	MATH 212 Discrete Mathematics	3	<input type="checkbox"/>

Minimum total credits to graduate 124

*Refer to each term's advising handbook for options
WPR = Writing Proficiency Required