Name: _____ Date: _____ Advisor: _____

Data Science 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
MATH 231 Calculus I	4
	17

Semester 2	Cr
CPSC 211 Data Structures	3
MATH 212 Discrete Mathematics	3
BIBL 115 Old Testament Literature	3
Humanities Option	3
MATH 232 Calculus II	4
EXER 101 Lifetime Health Awareness	1
	17

Sophomore year

Semester 1	Cr
MATH 210 Elementary Statistics	3
CPSC 231 Introduction to File Processing	3
BIBL 116 New Testament Literature	3
MATH 233 Calculus III	4
Minor Requirement or Elective	3
	16

Semester 2	Cr
CPSC 311 Systems Analysis and Design	3
PSYC 138 Psychology of Healthy Relationships	3
MATH 310 Probability and Statistical Inference	3
Reading and Imagination Option	3
Minor Requirement or Elective	3
BIBL 360-370 Book Study	3
	18

Junior year

Semester 1	Cr
CPSC 415 Operating Systems	3
CPSC 225 Computer Hardware Organization	3
MATH 331 Linear Algebra	3
Artistic Expression Option	3
Minor Requirement or Elective	3
Historical Inquiry Option	3
	18

Semester 2	Cr
CPSC 325 Networks and Data Communication	3
CPSC 435 Artificial Intelligence	3
Natural Science without lab	3
Behavioral and Social Sciences Option	3
ICST 454 Global Cultures & Compassion	3
Minor Requirement or Elective	3
	18

Senior year

Semester 1	Cr
CPSC 441 Database Management Systems	3
CPSC 442 Big Data	3
CPSC 497 Internship	3
Natural Science with lab	4
Minor Requirement or Elective	3
	16

Semester 2	Cr
CPSC 493 Senior Project	3
MATH 410 Data Science	3
THEO 320 Pentecost	3
Minor Requirements or Electives	6
	15

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.

Name: _____ Date: _____ Advisor: _____

Data Science Track (Computer Science Major)

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	☑
ACT English 16-19, SAT W/L 23-27, CLT W/G 19-23: ENGL 102	2		EXER 101 Lifetime Health Awareness	1	
ACT English ≤ 15, SAT W/L ≤ 22, CLT W/G ≤ 18: ENGL 100	1				

Core Curriculum Requirements

	Cr	☑		Cr	☑
GSCI 100 University Seminar	1		Effective Communication Option (WPR)**	3	
BIBL 111 Essential Christianity	3		MATH 210 Elementary Statistics	3	
BIBL 115 Old Testament Literature	3		Historical Inquiry Option*	3	
BIBL 116 New Testament Literature	3		Artistic Expression Option*	3	
BIBL 360 - 370 Book Study (WPR)*	3		Behavioral and Social Sciences Option*	3	
THEO 320 Pentecost	3		Humanities Option*	3	
ICST 454 Global Cultures & Compassion*	3		Healthy Relationships: PSYC 138 (Preferred) or 112	3	
Natural Science without Lab Option*	3		Christian Stewardship: FIN 138 Personal Finance	3	
Natural Science with Lab Option*	4		Reading and Imagination: ENGL 123*	3	
*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	☑		Cr	☑
CPSC 111 Introduction to Computer Science	3		MATH 231 Calculus I	4	
CPSC 211 Data Structures	3		MATH 232 Calculus II	4	
CPSC 225 Computer Hardware Organization	3		MATH 233 Calculus III	4	
CPSC 231 Introduction to File Processing	3		MATH 212 Discrete Mathematics	3	
CPSC 311 Systems Analysis and Design	3		MATH 310 Probability and Statistical Inference	3	
CPSC 325 Networks and Data Communication	3		MATH 331 Linear Algebra	3	
CPSC 415 Operating Systems	3		MATH 410 Data Science	3	
CPSC 435 Artificial Intelligence	3				
CPSC 441 Database Management Systems	3				
CPSC 442 Big Data	3				
CPSC 497 Internship	3				
CPSC 493 Senior Project	3				
			Minimum total credits to graduate	**124**	

In order to meet the required 124 credits to graduate, a student may need to take additional elective credits.

*Refer to each term's advising handbook for options

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