



2023-2024 Catalog

Computer Science

Bachelor of Science
Academic Department
Mathematics
Total Credits 68

Computer Science

Item #	Course Title	Credits
<input type="checkbox"/> COMSC 1450	Introduction to Programming and Computer Science	4
<input type="checkbox"/> COMSC 1451	Object Oriented Programming	COMSC 1451 Prerequisite: COMSC 1450 4
<input type="checkbox"/> COMSC 2351	Data Structures	COMSC 2351 Prerequisite: COMSC 1451 3
<input type="checkbox"/> COMSC 3365	Organization of Computer Programming Languages	COMSC 3365 Prerequisites: COMSC 1451 3
<input type="checkbox"/> COMSC 3375	Database Systems	COMSC 3375 Prerequisites: COMSC 1451 3
<input type="checkbox"/> COMSC 3385	Computer Architecture	COMSC 3385 Prerequisites: COMSC 1451 3
<input type="checkbox"/> COMSC 4101	Computer Science Seminar	1
<input type="checkbox"/> COMSC 4320	Operating Systems	COMSC 4320 Prerequisites: COMSC 3385 3
<input type="checkbox"/> COMSC 4340	Computer Networks	COMSC 4340 Prerequisite: COMSC 1451 3
<input type="checkbox"/> COMSC 4345	Foundations of Data Science	COMSC 4345 Prerequisites: COMSC 3375 3
<input type="checkbox"/> COMSC 4350	System Development Project	3

Computer Science Electives

Complete six hours of the following courses:

Item #	Course Title	Credits
<input type="checkbox"/> COMSC 3371	Introduction to Data Analytics	COMSC 3372 Prerequisite MATH 2435, or MATH 3332, or MATH 3450, or PSYC 3433 3
<input type="checkbox"/> COMSC 3372	Data Visualization	COMSC 3372 Prerequisite MATH 2435, or MATH 3332, or MATH 3450, or PSYC 3433 3
<input type="checkbox"/> GCSE 4301	Governing the Digital Ecosystem – Technology and Geopolitics	GCSE 4301 Prerequisites: GCSE 3301/3101, 3302/3102 3
<input type="checkbox"/> GCSE 4379	Cyber Warfare	3

<input type="checkbox"/> COMSC 4393	Special Projects with Department Chair Approval	3
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Mathematics

Item #	Course Title		Credits
<input type="checkbox"/> MATH 1431	Calculus I	MATH 1431 Prerequisite: MATH 1430 or department consent.	4
<input type="checkbox"/> MATH 1432	Calculus II	MATH 1432 Prerequisite: Grade of 'C' or Better in MATH 1431	4
<input type="checkbox"/> MATH 2431	Calculus III	MATH 2431 Prerequisite: MATH 1432 with a grade of "C" or better	4
<input type="checkbox"/> MATH 3334	Linear Algebra I	MATH 3334 Prerequisite: MATH 1432	3
<input type="checkbox"/> MATH 3335	A First Course in Probability	MATH 3335 Prerequisite: MATH 1432	3
<input type="checkbox"/> MATH 3360	Discrete Mathematics	MATH 3360 Prerequisite: MATH 1431	3
<input type="checkbox"/> MATH 3450	Biostatistics I		4

Lab Science Course Requirement

Complete at least one lecture/lab in an approved science area (BIOL, CHEM, PHYS).