## Computer Science – Pre-Calculus

2023-2024 Catalog: Sample Four-Year Schedule

<table>
<thead>
<tr>
<th>Year One</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
<th>Spring Semester</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term(s) Offered</th>
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<tbody>
<tr>
<td>Year One</td>
<td><strong>Fall Semester</strong></td>
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<td>Pre-Calculus</td>
<td>5</td>
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<td>Calculus I</td>
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<td>Pre-req: MATH 1100 or Test Placement</td>
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<td>Pre-req: MATH 1650 or Test Placement</td>
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<td><strong>Year One</strong></td>
<td>General Chemistry I</td>
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<td>General Chemistry I Lab</td>
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<td><strong>Technical Writing</strong></td>
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<td><strong>University Core</strong></td>
<td>University Core – American History I</td>
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<td><strong>Fall Semester</strong></td>
<td>Linear Algebra</td>
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<td><strong>Year Two</strong></td>
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<td>Probability Models</td>
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<td><strong>Spring Semester</strong></td>
<td>Software Engineering</td>
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<td>Mechanics Lab</td>
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<td>Computer Science II</td>
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<td><strong>University Core – Federal Government</strong></td>
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<td>Data Structures</td>
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<td>F., Sp., Su.</td>
<td><strong>University Core – Creative Arts</strong></td>
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<td>Systems Programming</td>
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<td><strong>University Core – State Government</strong></td>
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<td><strong>Year Four</strong></td>
<td>University Core – Language, Philosophy and Culture</td>
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<td>F., Sp., Su.</td>
<td><strong>University Core – Social and Behavioral Sciences</strong></td>
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<td>Social Issues</td>
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<td><strong>Capstone II</strong></td>
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<td>Co/req: CSCE 4110</td>
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<td><strong>Year Four</strong></td>
<td>Systems Programming</td>
<td>3</td>
<td>F., Sp., Su.</td>
<td><strong>Term(s)</strong></td>
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<td>Pre-req: CSCE 2100, 2110</td>
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COMMUNICATION
AP English Lang. And Comp. Score of 3
IB English A: Lang. and Lit. Score of 5

TECHNICAL WRITING
Community College ENGL 2311: TECM 2700

AMERICAN HISTORY I
AP U.S. History score of 3
CLEP History of United States I
Community College: HIST 1301

AMERICAN HISTORY II
AP U.S. History score of 3
CLEP History of United States II
Community College: HIST 1302

FEDERAL GOVT/POLI SCIENCE
AP U.S. Government score of 3
CLEP American Government
Community College: GOVT 2305

STATE GOVT/POLI SCIENCE
Community College: GOVT 2306

CREATIVE ARTS
AP Art History score of 3
IB Dance score of 4*
Community College: ARTS 1301
Community College: ARTS 1304
Community College: MUSI 1306
Community College: DRAM 1310

LANGUAGE, PHILOSOPHY, AND CULTURE
AP English Literature and Comp. score of 3
AP World History score of 3
IB History score of 4*
IB Philosophy score of 5
IB English Language A: Lit. Score of 5
Community College: ENGL 2332
Community College: ENGL 2333
Community College: ENGL 2341
Community College: HIST 2321
Community College: HIST 2322
Community College: PHIL 1301
Community College: PHIL 1304
Community College: PHIL 2303
Community College: PHIL 2306

SOCIAL AND BEHAVIORAL SCIENCES
AP Macroeconomics score of 3
AP Microeconomics score of 3
AP Psychology score of 3
IB Economics score of 4*
IB Geography score of 4*
IB Psychology score of 4*
CLEP Macroeconomics
CLEP Microeconomics
CLEP Human Growth and Development
CLEP Introductory Psychology
CLEP Introductory Sociology
Community College: ANTH 2346
Community College: ANTH 2351

SOCIAL AND BEHAVIORAL SCIENCES (Continued)
Community College: ECON 2301
Community College: ECON 2302
Community College: GEOG 1303
Community College: TECM 1345
Community College: PSYC 1301
Community College: PSYC 1302
Community College: SOC 1301
Community College: COMM 1307
Community College: SPCH 1318

BIOLOGY
AP Biology score of 4, 5: BIOL 1710, 1720, 1760
IB Biology: BIOL 1710, 1720, 1760
CLEP Biology: BIOL 1710, 1720
Community College: BIOL 1306: BIOL 1710
Community College: BIOL 1307, BIOL 1720
Community College: BIOL 1406: BIOL 1710, 1760
Community College: BIOL 1407: BIOL 1720, 1760

CHEMISTRY
AP Chemistry score of 4: CHEM 1410, 1430
AP Chemistry score of 5: CHEM 1410, 1430, 1420, 1440
CLEP General Chemistry: CHEM 1410, 1420
IB Chemistry: CHEM 1410, 1430, and 1420, 1440
Community College: CHEM 1311, 1111: CHEM 1410, 1430
Community College: CHEM 1312, 1112: CHEM 1420, 1440
Community College: CHEM 1411: CHEM 1410, 1430
Community College: CHEM 1412: CHEM 1420, 1440

MATHEMATICS
AP Calculus AB score of 3: MATH 1710
AP Calculus BC score of 3: MATH 1710, 1720
AP Calculus AB sub score of BC Exam score 3: MATH 1710
IB Mathematics – Calculus: MATH 1710
CLEP College Algebra: MATH 1100
CLEP Pre-calculus: MATH 1650
CLEP Calculus: MATH 1710
Community College: MATH 1314 or 1414: MATH 1100
Community College: MATH 2312 or 2412: MATH 1650
Community College: MATH 2313 or 2413: MATH 1710
Community College: MATH 2314 or 2414: MATH 1720
Community College: MATH 2318 or 2418: MATH 2700
Community College: ENGR 2300: Substitutes for MATH 2700

ENGINEERING
Community College ENGR 2406: EENG 2710, 2711

*Completion of IB program, earned IB Diploma, & minimum score of 4 or completion of IB program without the earned diploma & minimum score of 5, 6, or 7
Other community college or university courses may fulfill requirements. Please confirm with your advisor.