



Bachelor of Science - Computer Science - Students Entering Fall 2026

Name: _____ CWID : _____ Minor Field(s), if any: _____ Co-op (Y/N)? ____

Interested in Pursuing Accelerated Masters Program (Y/N)? ____ Reduced Course Program (Y/N) ____ Interested in Study Abroad(Y/N) ____
The primary purpose of this form is to lay out the courses required to complete your degree program and when you expect to take each of them. You may then use it to track your own progress to the degree. You should revise it as needed. Please indicate the term when you expect to take each course (e.g., 20F, 21S, etc.). Roman numerals indicate the standard curriculum time schedule. For electives, fill in the course number. Any courses taken elsewhere for Transfer Credit should be marked as TR. Advanced Placement credit should be marked as AP.

Term	Course	Credits	Grade	Term	Course	Credits	Grade
<u>REQUIRED COURSES</u>				<u>TECHNICAL ELECTIVES</u>			
I	Science I	3.0		V		3.0	
III	Science II	3.0		VI		3.0	
III	Science Lab	1.0		VI		3.0	
I	MA121 – Differential Calculus	2.0		VI		3.0	
I	MA122 – Integral Calculus	2.0		VII		3.0	
II	MA125 – Vectors and Matrices	2.0		VII		3.0	
II	MA126– Multivariable Calculus I	2.0		VII		3.0	
III	MA223 – Introduction to Probability	3.0		VIII		3.0	
IV	MA331 – Intermediate Statistics	3.0		VIII		3.0	
				<u>SUCCESS CORE CURRICULUM</u>			
I	CS101 – Research and Entrepreneurship in Computing	1.0		I	PRV 101 – First Year Experience	1.0	
I	CS115 – Introduction to Computer Science	4.0		III	MGT 103–Intro to Entrepreneurial Thinking	2.0	
II	CS135 – Discrete Structures	4.0		II	PRV	1.0	
II	CS284 – Data Structures	4.0		IV	PRV	1.0	
III	CS382 – Computer Architecture and Organization	4.0		IV	PRV	1.0	
III	CS385 – Algorithms	4.0		<u>HUMANITIES</u>			
IV	CS346 - Web Programming	3.0		I	HASS 103	3.0	
IV	CS392 – Systems Programming	3.0		II	HASS 105	3.0	
IV	CS496 – Principles of Programming Languages	3.0		V	HSSC 371 or HPL 455	3.0	
V	CS334 – Theory of Computation	3.0		VI	Humanities	3.0	
V	CS396 – Security, Privacy, and Society	4.0		VII	Humanities (Social Science or HST)	3.0	
VII	CS423 – Senior Design I	3.0		VIII	Humanities	3.0	
VIII	CS424 – Senior Design II	3.0		<u>SCIENCE/MATH ELECTIVES</u>			
Term	<u>ADDITIONAL COURSES</u>	Credits	Grade	IV		3.0	
				V		3.0	
				<u>GENERAL ELECTIVES</u>			
				VI		3.0	
				VIII		3.0	

Standard CS Semester Outline

TERM I- 16 credits

CS 101- Research and Entrepreneurship in Computing
 CS 115- Introduction to Computer Science
 HASS 103- Writing and Communications Colloquium
 MA 121- Differential Calculus
 MA 122- Integral Calculus
 Science I
 PRV 101- First Year Experience

TERM III- 17 credits

CS 382- Computer Architecture & Organization
 CS 385- Algorithms
 MA 223- Introduction to Probability
 MGT 103- Introduction to Entrepreneurial Thinking
 Science II
 Science Lab

TERM V- 16 credits

CS 334- Theory of Computation
 CS 396- Security, Privacy, and Society
 HSSC 371 or HPL 455
 Science/Math Elective
 Technical Elective

TERM VII- 15 credits

CS 423- Senior Design I
 Humanities (*Social Science or HST*)
 Technical Elective
 Technical Elective
 Technical Elective

TERM II- 16 credits

CS 135- Discrete Structures
 CS 284- Data Structures
 HASS 105- Knowledge, Nature, Culture
 MA 125- Vectors and Matrices
 MA 126- Multivariable Calculus I
 PRV 20X- Frontiers of Technology

TERM IV- 17 credits

CS 346- Web Programming
 CS 392- Systems Programming
 CS 496- Principles of Programming Languages
 MA 331- Intermediate Statistics
 Science/Math Elective
 PRV 20X- Frontiers of Technology
 PRV 20X- Frontiers of Technology

TERM VI- 15 credits

Humanities
 Technical Elective
 Technical Elective
 Technical Elective
 General Elective

TERM VIII- 15 credits

CS 424- Senior Design II
 Humanities
 Technical Elective
 Technical Elective
 General Elective

Additional Resources

Required Science Track:

	Science I	Science II	Science Lab
Physics	PEP 111 Mechanics	PEP 112 Electricity and Magnetism	PEP 221
Physics & Biology	PEP 111 Mechanics	BIO 181 Biology & Biotechnology	BIO 182
Physics & Chemistry	PEP 111 Mechanics	CH 115 General Chemistry I	CH 117
Chemistry	CH 115 General Chemistry I	CH 116 General Chemistry II	CH 117
Chemistry & Biology	CH 115 General Chemistry I	BIO 181 Biology & Biotechnology	CH 117 OR BIO 182
Chemistry & Physics	CH 115 General Chemistry I	PEP 111 Mechanics	CH 117

Science/Math Electives:

You can count any 3-credit physics (PEP), chemistry (CH), biology (BIO), or mathematics (MA) course, except:

- Any course that is required for your degree requirements
- Any course that is equivalent to another course counted towards the degree. For example, MA 117, MA 118, MA 119, MA 134, MA 503, and MA 520 may not be counted
- EN 250, CE 240, and NANO 200 may count as a science elective.

Technical Electives:

Any 3+credit CS course 300+ level may count as technical elective except for:

- Any course that is a required course in the degree program
- Any course that is equivalent to another course counted towards the degree.
- The following courses cannot be counted as Technical elective: CS 306, CS 501, CS 510, CS 515, CS 525, CS 546, CS 550, CS 556, CS 570, CS 573 or CS 590.
- Also, students may not count toward the major both courses in each of the following pairs: CS 488 and CS 514, CS 492 and CS 520, CS 442 and CS 561, SSW 540 and CS 347.

Humanities

Humanities Disciplines:

- HHS – History
- HLI - Literature
- HPL – Philosophy

Only certain HMU-Music and HAR- Visual Arts courses offer humanities credit.

Social Science + Science and Technology:

- HSSC – Social Science
- HQSS – Quantitative Social Science

OR

- HST – Science and Technology Studies