

Bachelor of Science - Artificial Intelligence- 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., 26F, 27S, 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.

[illegible]

Standard AI Semester Outline

TERM I- 16 credits

CS101- Research and Entrepreneurship in Computing
 CS115- Introduction to Computer Science
 HASS 103- Writing and Communications Colloquium
 MA121- Differential Calculus
 MA122- Integral Calculus
 Science I
 PRV 101- First Year Experience

TERM III- 17 credits

CS 367- Introduction to Artificial Intelligence
 CS 385- Algorithms
 MA 223- Introduction to Probability
 Science II
 Science Lab
 MGT 103- Intro to Entrepreneurial Thinking
 PRV 20X- Frontiers of Technology

TERM V- 15 credits

CS 334- Theory of Computation
 CS 508- Human-Centered AI
 CS 559- Machine Learning
 HSSC 371/HST 381 or HPL 455
 General Elective

TERM VII- 15 credits

CS 423- Senior Design I
 Humanities (*Social Science or Science & Technology*)
 Technical Elective
 Technical Elective
 General Elective

TERM II- 15 credits

CS135- Discrete Structures
 CS284- Data Structures
 HASS 105- Knowledge, Nature, Culture
 MA 125- Vectors and Matrices
 MA 126- Multivariable Calculus I

TERM IV- 17 credits

CS368- Data Management and Privacy in AI
 CS456- Mathematical Foundations of Machine Learning
 MA 331- Intermediate Statistics
 Humanities
 Science/Math Elective
 PRV 20X- Frontiers of Technology
 PRV 20X- Frontiers of Technology

TERM VI- 15 credits

CS 583- Deep Learning
 Science/Math 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.

Humanities

Humanities Disciplines:

- HHS – History
- HLL - Literature
- HPL – Philosophy

Social Science + Science and Technology:

- HSSC – Social Science
- HQSS – Quantitative Social Science

Only certain HMU-Music

and HAR- Visual Arts courses offer humanities credit.

OR

- HST – Science and Technology Studies

Technical Electives:

- CS 532- 3D Computer Vision
- CS 544- Health Informatics
- CS 545- Human- Computer Interaction
- CS 558- Computer Vision
- CS 560- Statistical Machine Learning
- CS 582- Causal Inference
- CS 584- Natural Language Processing
- CS 589- Text Mining & Information Retrieval
- MA 661- Dynamic Programming & Reinforcement Learning
- BIA 665- Applied Reinforcement Learning
- ME 598- Intro to Robotics