B.A. in Artificial Intelligence: Sample 4-Year Plan (2025-2026)

FRESHMAN (29 hours)

Fall Semester (14 hours)	Spring Semester (15 hours)
☐ COR 1002 Gateway Seminar	☐ BBL 1023 New Testament Survey
☐ BBL 1013 Old Testament Survey	☐ EGL 1023 English II
☐ EGL 1013 English I	☐ Social Behavioral Science Elective* (3 hrs)
☐ **MTH 1163 Calculus I**	☐ **CS 1513 Java Programming**
☐ **CS 1233 Object-Oriented Programming**	☐ **MTH 1153 Linear Algebra**

SOPHOMORE (30 hours)

Fall Semester (15 hours)	Spring Semester (15 hours)
☐ HST 2013 Integrated Humanities I	☐ HST 2023 Integrated Humanities II
☐ Natural Science Elective I* (3 hours)	☐ Natural Science Elective II* (3 hours)
☐ **MTH 2213 Discrete Mathematics**	☐ **CS 2243 Data Structures and Algorithms**
☐ **PHL 2423 Ethics**	☐ **CS 2423 Web Applications**
☐ *Technical Elective (C# dotNet)*	☐ *Technical Elective*

JUNIOR (31 hours)

Fall Semester (15 hours)	Spring Semester (16 hours)
☐ BBL 2013 Evangelical Theology	☐ BBL 2022 Christian Formation
☐ Statistics Elective* (3 hours)	☐ Whole Person Wellness Elective* (2 hrs)
☐ **CS 3363 Database Design**	☐ **CS 3533 Software Engineering**
☐ **CS 3643 Artificial Intelligence**	☐ **CS 3443 Machine Learning**
☐ *Technical Elective (Adv. Java)*	☐ *Technical Elective (Software Testing)*
	☐ *Technical/Minor Elective*

SENIOR (30 hours)

Fall Semester (15 hours)	Spring Semester (15 hours)
☐ Arts & Humanities Elective* (3 hours)	☐ Arts/Hum or Social/Behavioral Elec* (3 hrs)
☐ Intercultural Engagement Elective* (3 hrs)	☐ **CS 4023 Advanced Computing Concepts**
☐ **CS 3773 Big Data & Cloud Computing**	☐ *Technical/Minor Elective (Adv. Web App)*
☐ *Technical/Minor Elective*	☐ *Technical/Minor Elective*
☐ *Technical/Minor Elective*	☐ *Technical/Minor Elective*

Revised 3/13/25

*See the Academic Catalog for the list of classes that meet this criteria.

***(Technical Electives & Minors as necessary to complete the minimum of 120 hours total)** – please turn over the page for TE & Minor courses*

Technical Electives (12 hours)

- ☐ CS 2823 C# & Dot Net
- ☐ CS 3473 Advanced Web Applications
- ☐ CS 3683 Advanced Java Programming
- ☐ CS 4083 Software Testing & Quality Assurance
- ☐ BUS 3113 Spreadsheet Analytic
- ☐ DAT 3113 Basic Data Analytics
- ☐ DAT 4253 Business Decision Modeling & Predictive Analysis
- ☐ DAT 4313 Data Visualization
- ☐ EE 2212 Digital Electronics
- ☐ EE2222 Electrical Circuits (with Lab EE 2211)
- ☐ EE 3123 Embedded Systems (with lab EE 2221)
- ☐ EE 4322 Digital Systems (with lab EE 4321)

MINORS for BS – Artificial Intelligence
(Opt for at least one of the following Minors) - 18 hours

Computer Science

- ☐ CS 1233 OOP
- ☐ CS 2243 Data Structures and Algorithms
- ☐ CS 3643 Artificial Intelligence
- ☐ CS 3773 Big Data & Cloud Computing
- ☐ CS 4023 Advanced Computing Concepts
- ☐ CYB 7103 Cybersecurity Foundations (Online)

Full Stack Development

- ☐ CS 1233 OOP
- ☐ CS 2423 Web Applications
- ☐ CYB 7103 Cybersecurity Foundations (Online)
- ☐ CS3683 Advance Java Programming
- ☐ CS3473 Advanced Web Applications
- ☐ CS4083 Software Testing & Quality Assurance

Cybersecurity

- ☐ CS 1113 Intro to Computing

Any ONE

- ☐ BUS 2193 Business Statistics (On Campus and Online)
- ☐ MTH 1003 Introduction to Statistics (On Campus and Online)
- ☐ MTH 2103 Applied Statistics for Scientists (On Campus)

Any FOUR

- ☐ CYB 7103 Cybersecurity Foundations (Online)
- ☐ CYB 7223 Network and Cloud Security (Online)
- ☐ CYB 7233 Information Technology Risk Management (Online)
- ☐ CYB 7243 Web Application Security (Online)
- ☐ CYB 7433 Incident Management (Online)

Game Design Minor

- ☐ ART 1123 Computer Graphics
- ☐ CS 1113 Introduction to Computing
- ☐ CS 3333 Game Design 1
- ☐ CS 3343 Game Design 2
- ☐ EGL 2273 Introduction to Creative Writing

Any One

- ☐ ART 2273 3D Modeling for Designers & Illustrators
- ☐ ART 2613 Digital Illustration

Data Analytics

Any One

- ☐ CS 1113 Intro to Computing
- ☐ CS 1233 Object Oriented Programming

Any One

- ☐ BUS 2193 Business Statistics
- ☐ MTH 1003 Introduction to Statistics
- ☐ MTH 2103 Applied Statistics for Scientists

Any TWO

- ☐ DAT 3113 Basic Data Analytics
- ☐ DAT 4253 Business Decision Modeling & Predictive Analysis
- ☐ DAT 4313 Data Visualization

Any TWO

- ☐ CS 2243 Data Structures and Algorithms
- ☐ CS 3363 Database Design
- ☐ CS 3643 Artificial Intelligence
- ☐ CS 3773 Big Data & Cloud Computing