

## B.S. in Artificial Intelligence: Sample 4-Year Plan (2024-2025)

### FRESHMAN (29 hours)

<p><b>Fall Semester (14 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> COR 1002 Gateway Seminar</li> <li><input type="checkbox"/> EGL 1013 English I</li> <li><input type="checkbox"/> <b>EN 1112 Intro to Engg/CS/Cyber</b></li> <li><input type="checkbox"/> <b>MTH 1134 Calculus I</b></li> <li><input type="checkbox"/> <b>CS 1233 Object-Oriented Programming</b></li> </ul>	<p><b>Spring Semester (15 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> BBL 1013 Old Testament Survey</li> <li><input type="checkbox"/> EGL 1023 English II</li> <li><input type="checkbox"/> Social Behavioral Science Elective* (3 hrs)</li> <li><input type="checkbox"/> <b>CS 1513 Java Programming</b></li> <li><input type="checkbox"/> <b>MTH 1153 Linear Algebra</b></li> </ul>
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### SOPHOMORE (30 hours)

<p><b>Fall Semester (15 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> HST 2013 Integrated Humanities I</li> <li><input type="checkbox"/> Natural Science Elective I* (3 hours)</li> <li><input type="checkbox"/> <b>MTH 2213 Discrete Mathematics</b></li> <li><input type="checkbox"/> <b>PHL 2423 Ethics</b></li> <li><input type="checkbox"/> <i>Technical Elective</i></li> </ul>	<p><b>Spring Semester (15 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> BBL 1023 New Testament Survey</li> <li><input type="checkbox"/> HST 2023 Integrated Humanities II</li> <li><input type="checkbox"/> Natural Science Elective II* (3 hours)</li> <li><input type="checkbox"/> <b>CS 2243 Data Structures and Algorithms</b></li> <li><input type="checkbox"/> <i>Technical Elective</i></li> </ul>
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### JUNIOR (32 hours)

<p><b>Fall Semester (15 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> BBL 2013 Evangelical Theology</li> <li><input type="checkbox"/> Statistics Elective* (3 hours)</li> <li><input type="checkbox"/> <b>CS 3363 Database Design</b></li> <li><input type="checkbox"/> <b>CS 3643 Artificial Intelligence</b></li> <li><input type="checkbox"/> <i>Technical Elective</i></li> </ul>	<p><b>Spring Semester (15 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> BBL 2022 Christian Formation</li> <li><input type="checkbox"/> Whole Person Wellness Elective* (2 hrs)</li> <li><input type="checkbox"/> <b>EN 3222 Collaborative Design Lab</b></li> <li><input type="checkbox"/> <b>CS 3533 Software Engineering</b></li> <li><input type="checkbox"/> <b>CS 3443 Machine Learning</b></li> <li><input type="checkbox"/> <i>Technical Elective</i></li> </ul>
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### SENIOR (30 hours)

<p><b>Fall Semester (15 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Arts &amp; Humanities Elective* (3 hours)</li> <li><input type="checkbox"/> Intercultural Engagement Elective* (3 hrs)</li> <li><input type="checkbox"/> <b>EN 4113 Capstone I</b></li> <li><input type="checkbox"/> <b>CS 3773 Big Data &amp; Cloud Computing</b></li> <li><input type="checkbox"/> <i>Technical Elective</i></li> </ul>	<p><b>Spring Semester (15 hours)</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Arts/Hum or Social/Behavioral Elec* (3 hrs)</li> <li><input type="checkbox"/> <b>EN 4123 Capstone II</b></li> <li><input type="checkbox"/> <b>CS 4023 Advanced Computing Concepts</b></li> <li><input type="checkbox"/> <i>Technical Elective</i></li> <li><input type="checkbox"/> <i>Technical Elective</i></li> </ul>
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Revised 12/06/23

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

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

### **Technical Electives (12 hours)**

- CS 2423 Web Applications
- 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)