

## First Year

### Semester 1

7 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>AI 300 Introduction to Artificial Intelligence and Machine Learning</b>	3		F
<b>CISP 407</b> Programming in Python	4	CISP 360	F

\*CISP 407 Programming in Python requires completion of CISP 300 Algorithm Design/Problem Solving followed by CISP 360 Introduction to Structured Programming prior to enrolling.

### Semester 2

3 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>AI 310 Machine Learning</b>	3	CISD 300 & CISP 407	S

## Second Year

### Semester 3

3 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>AI 312 Natural Language Processing I</b>	3	CISD 307	F

### Semester 4

3 Units

COURSE	UNITS	PRE-REQS^	SEMESTERS OFFERED*
<b>AI 314 Computer Vision I</b>	3	CISD 307	S

### Notes:

Artificial Intelligence and Machine Learning certificate focuses on building machine learning models that can be used for predicting, making decisions and enhancing human capabilities. The program provides opportunities to develop the necessary skills and basic aptitudes in Artificial Intelligence and Machine Learning that is required in different fields including the information technology, automotive, healthcare, aerospace, industrial, and manufacturing industries.

### Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.