

B - Course Revision Form V. 7.2022 : Entry # 3464**DEAN Decision**

Approved

EPC Decision

Approved

Today's Date

10/17/2025

Begin Form**Today's Date**

03/05/2025

Your Name

Michael Oudshoorn

Your Email:moudshoo@highpoint.edu**Are you a Department Chair?**

Yes

By checking below, I certify that my department chair has seen and approved the course revisions that are in this proposal

Yes

Please select the appropriate school overseeing this proposal:

Engineering

When should this proposal take effect?

Fall 2026

Are you submitting multiple courses for revision from the same department?

No, just one

Please list all of the courses that you are submitting revisions for:

Course Prefix	Course Number	Course Title
CSC	3250	Artificial intelligence

What would you like to revise?

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- Learning Outcomes
- Prerequisites

Are you also revising any of the following for this course?

- Change course title
- Change course description

Gen Ed & Academic Program Information**Is this a revision to meet new Gen Ed requirements?**

No

Is this course part of an academic program?

- This course does not currently fulfill academic program requirements

Does this course, as revised, include any community engagement?

No

Is this course part of GoGlobal?

No

Does this course count towards a major or a minor?

Yes

Please list the course(s) and whether they are required or electives for the major/minor.

Course Prefix/Number	Name of Major and/or Minor?	Required or Elective?
CSC3250	BS in Data Science	Required
CSC3250	BS in Computer Science	Elective
CSC3250	BS in Data Analytics	Elective
CSC3250	minor in Data Analytics	Elective

Is this course cross listed?

No

Choose the department designator for your course from the list below.

Revisions to course number, title, credits, prerequisites**What are the changes to the course title?**

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CSC3250 Artificial Intelligence to be changed to CSC3250 Introduction to Artificial Intelligence

Please paste the existing catalog description

CSC 3250. Artificial Intelligence. This course will introduce the basic ideas and techniques of AI by emphasizing the building of agents, environments, and systems that can be considered as acting intelligently. By the end of this course, you will have built autonomous agents that efficiently make decisions in fully informed, partially observable and adversarial settings. Your agents will draw inferences in uncertain environments and optimize actions for arbitrary reward structures. The techniques you learn in this course apply to a wide variety of artificial intelligence problems and will serve as the foundation for further study in any application area you choose to pursue.

Prerequisites: CSC 2710. Four credits

Enter the proposed NEW course description

CSC 3260 Introduction to Artificial Intelligence. This course provides an introduction to the foundational concepts, techniques, and applications of Artificial Intelligence (AI). Students will explore the principles of intelligent systems, including problem-solving, machine learning, and natural language processing. The course emphasizes both theoretical understanding and practical implementation, with hands-on programming assignments and projects using popular AI tools and frameworks. The course includes ethical considerations in AI development. By the end of the course, students will have a solid understanding of AI methodologies and the ability to design and evaluate basic AI systems. Representative topics include search algorithms, logic and reasoning, probabilistic models, sequential decision problems and the methods for solving them, perception and planning, neural networks, evolution of transformer-based architectures to Large Language Models (LLM), and ethical considerations in AI development.

Prerequisites: CSC2710 Advanced Data Structures with Algorithm Development and (CSC2342 Discrete Structures or MTH 2210 Introduction to Mathematical Thought) and a General Education Ethics course. 4 credits

Please list the changes to the prerequisites and the rationale for the change

The prerequisites will change to CSC2710 Advanced Data Structures with Algorithm Development and (CSC2342 Discrete Structures or MTH 2210 Introduction to Mathematical Thought) and a General Education Ethics course. This is better reflecting the knowledge students need to be successful in the course (more advanced programming skills, mature logic and analytical skills, and success in an ethics course).

Curriculum Review Information**Please list the revised student learning outcomes for this course in the box below.**

Learning Objectives:

- Understand the core principles and history of AI.
- Apply search algorithms and optimization techniques to solve problems.
- Design and implement knowledge representation systems.
- Explore machine learning techniques, including supervised and unsupervised learning.
- Analyze ethical and societal implications of AI technologies.
- Develop practical AI applications using programming languages such as Python.

Please list any revisions to units or content areas that will be required for all sections of this course in the box below.

Sample Content
 Introduction
 Intelligent Agents
 Solving Problems by Searching
 Search in Complex Environments
 Adversarial Search and Games
 Constraint Satisfaction Problems

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Logical Agents
First Order Logic and Inference
Knowledge Representation
Automated Planning
Quantifying Uncertainty
Probabilistic Reasoning and Programming
Making Decisions: Simple, Complex, Multi-Agent
Machine Learning from Examples
Machine Learning with Probabilistic Models
Deep Learning
Natural Language Processing
Conclusion, Summary and Review

TOTAL60

If this course proposal affects any other departments, please describe the consultation and approval that you've received and from whom in the box below.

The Department of Mathematical Sciences offers the Data Analytics program. They have been consulted and are agreeable.
Permitting CSC2342 or MTH2210 as a prerequisite accommodates both the Math students and the Computer Science students.

Sample Syllabus

- [CSC3250-introduction-to-Artificial-Intelligence-syllabus.docx](#)