New Course Proposal

Changes saved but not submitted

Viewing: **CIS 112 : AI Literacy**

Last edit: 09/13/25 4:04 pm

General Information

Submitter:	**User ID:** marc.goodman **Phone:** 503-548-8952
Course Prefix	Computer Information Systems (CIS)
Is this a Oregon Common Course Number (CCN)?	No
Course Number	112
Course Type	Career Technical Education
Implementation Term	Fall 2026
Course Title	AI Literacy
Transcript Title	AI Literacy

Contact Hours per Quarter

Lecture: Meets **3** hours per week for **10** weeks.
Total student academic engagement hours per quarter: **90**

Lec/Lab: Meets **0** hours per week for **10** weeks.
Total student academic engagement hours per quarter: **0**

Lab: Meets **3** hours per week for **10** weeks.
Total student academic engagement hours per quarter: **30**

Total student academic engagement hours for course: **120**

Credits	4
Please indicate the basis for creating this experimental course:	
Rationale for new course:	New AI technology has altered business and educational workflows. This course teaches non-programmers how to use AI technology effectively and ethically.
Grading Option(s)	Audit Letter Grade Pass/No Pass
Default Grading Option	Letter Grade
Course Description	Provides an introduction to Artificial Intelligence (AI) for non-programmers, focusing on practical applications and ethical considerations. Covers prompt engineering, using various AI models (including large language models, image generation, and text-to-speech), and working with integrated AI tools like Microsoft Office Copilot. Surveys the strengths and weaknesses of AI technologies.

Prerequisites
                    (WR 115 and RD 115) or IRW 115 and MTH 20 or equivalent placement.

Pre/Concurrent
Courses

Corequisites

Course Content and Outcome Guide (CCOG)

Addendum to
Course Description

Outcomes
                    Upon completion of the course students should be able to:

- Create effective prompts for AI models to achieve specific outcomes.
- Identify and utilize appropriate AI models for various tasks, including assistive technology.
- Integrate MS Copilot into personal and professional workflows.
- Discuss ethical implications and potential biases in AI technologies.
- Evaluate the strengths and limitations of different AI tools.
- Apply AI tools responsibly in various contexts.

Aspirational Goals

- Understand the business impact of AI technology.
- Be prepared for new developments and advancements in Artificial General Intelligence (AGI).

Course Activities
and Design

Outcomes Assessment Strategies	Outcome assessment will include a mix of hands-on labs, knowledge self-checks and formal quizzes, and online or in-person discussion.

Course Content: Themes, Concepts, Issues and Skills

Course Content:

- Introduction to AI Concepts:

  - Overview of AI, machine learning, and deep learning.
  - Historical context and evolution of AI.
  - Applications of AI in different industries.
- Prompt Engineering:

  - Principles of crafting effective prompts.
  - Techniques for refining prompts to enhance AI outputs.
  - Practical exercises with different AI models.
- AI Tools and Applications:

  - Large Language Models (LLMs): capabilities and use cases.
  - Image Generation and Editing: creating and modifying images.
  - Text-to-Speech: converting text to speech.
  - Speech-to-Text: converting human speech to text.
  - MS Copilot: enhancing productivity with AI.
- Ethical Considerations in AI:

  - Understanding bias in AI algorithms.
  - Privacy and security issues.
  - Frameworks for responsible AI development.
- Strengths and Weaknesses of AI:

  - Assessing AI model performance.
  - Recognizing AI limitations and challenges.
  - Exploring future trends in AI.

Related Instruction

Will this course include embedded related instruction?	No

Function of the new course within an existing and/or new program(s)

Please select the degree(s) and/or certificate(s) that this course will be part of from the list. If the course will be part of a new degree or certificate, select "New Degree/Certificate"

Degree/Certificate Name	# of Credits
Computer Information Systems Program Electives	4
Computer Information Systems One-Year Certificate	4

Degree/Certificate Name	# of Credits
Computer Information Systems Network Administration Degree Electives	4
Computer Information Systems Cybersecurity Degree Electives	4

Briefly explain how this course fits into the above program(s), i.e. requirement or elective:

This course is parallel to our existing cis 120 course, which covers digital literacy and is an elective in the same programs. However, while that course is focused on Internet and MS Office skils, this course covers emerging capabilities in Artificial Intelligence.

Additional Information

Transferability: Will this course transfer to another academic institution?

Yes
Identify
This course is currently in proposal for the Oregon Council of Computer Chairs list of CS/CIS common course numbers.

Impact on Other Programs and Departments

Are there other degrees and/or certificated that are affected by the instruction of this course?

No
Provide Details

Are there similar courses existing in other programs or disciplines at PCC?

No

Have you consulted with the SAC Chair(s) of other program(s) regarding potential impact such as content overlap, duplication, prerequisites, enrollment impact etc.

Yes
Explain and/or describe the nature of acknowledgements and/or agreements that have been reached. Extensive conversations have taken place with CS, CCIT, and the PCC AI Cohort. We have two faculty who have been part of that cohort and the Center of Artificial Intelligence and Cultural Computing (CAICC).

Is there any potential impact on another department or campus?

Yes
Explain and/or describe the nature of acknowledgements and/or agreements that have been reached. We believe this course will be of interest to numerous departments at PCC, much like our CIS 120 course has been adopted by numerous departments.

Course reviewer comments

Key: 12467