

# COMPUTING, DATA, AND AI LITERACY, MINOR

The Computing, Data, and AI Literacy minor provides students from any major with essential knowledge and practical skills in modern computational thinking, data-driven problem solving, and artificial intelligence tools. The minor introduces foundational concepts in data management, statistical reasoning, digital technologies, and machine learning while emphasizing ethical and responsible use of emerging technologies.

Students completing the minor will be able to:

1. Recognize how AI and data systems are used in common applications, workplaces, and daily life.
2. Organize and interpret basic data sets using tools such as Excel or simple visualization software.
3. Describe how computers and AI make decisions and how people can use those tools ethically and responsibly.
4. Effectively use AI tools to enhance productivity, support problem-solving, and assist with everyday digital tasks.
5. Communicate data-based insights clearly to others who may not have technical backgrounds

The minor in Computing, Data Science and AI Literacy (offered by the Department of Computer Science) is primarily designed for students who are seeking to become computing and AI literate in today's rapidly advancing technology. This minor requires 18 hours of CS courses that are specifically designed for non-majors.

Minor Courses	Hours
<b>Introductory Courses</b>	
CS 106 AI Literacy	3
Select one of the following:	3
CS 102 Computer Applications	
CS 104 Computer Science Principles	
CS 112 Digital Literacy	
<b>Sequence Courses</b>	
Select one of the following sequences:	6
CS 202 Web Foundations & CS 312 and Website Design	
CS 223 Intro to Python Programming & CS 323 and Intermediate Python	
CS 285 Spreadsheet Applications & CS 385 and Advanced Spreadsheet Appl	
<b>Electives</b>	
Select six hours of additional courses offered by the Computer Science Department. Most students select six hours of classes listed above or of the following:	6
CS 206 Data Science Literacy	
CS 305 Adv. Comp. Database Systems	
CS 312 Website Design	
CS 323 Intermediate Python	
CS 340 Legal & Ethical Issues in Comp	
CS 385 Advanced Spreadsheet Appl	
<b>Total Hours</b>	<b>18</b>

For students in the Barefield College of Arts and Sciences, at least two CS courses must be 300 level or higher.

## Grade Point Average

A 2.0 grade point average in the minor is required. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA.

## Upper-level Residency

For students in the Barefield College of Arts & Sciences, a minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an advisor in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.