

# Computer Science (BS) with an Emphasis in Machine Learning

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This program is offered by the College of Arts and Sciences, Department of Business and Technology/Computer and Information Sciences. It is available at the St. Louis main campus.

## Program Description

Artificial Intelligence (AI) is a rapidly-evolving branch of Computer Science focusing on analyzing data, and making appropriate and effective decisions based on this analysis. A foundation of Artificial Intelligence and Machine Learning will be provided. The Python programming language will be introduced and used to resolve Machine Learning-related questions. An understanding of ways in which Machine Learning can provide support to multiple disciplines will be introduced.

## Learning Outcomes

Upon completion of the program, students will be able to:

- Demonstrate mastery of computer science in the following core knowledge areas:
  - Software development.
  - Algorithms and data structures.
  - Computer organization, hardware, and architecture.
  - Data and information management.
- Describe how technological advances impact social issues and professional practice.
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