DEGREES & CERTIFICATES

ARTIFICIAL INTELLIGENCE CERTIFICATE OF ACHIEVEMENT (CA)

About the Program
The Las Positas Computer Science program offers courses that lead to a Certificate of Achievement in Artificial Intelligence. The certificate prepares students for direct job entry into areas such as artificial intelligence programming, machine learning engineering, and business intelligence development. This certificate also prepares students with the theoretical knowledge of artificial knowledge to ensure quick adaptation to emerging artificial intelligence technologies.

Program Goals and Objectives
The Certificate of Achievement in Artificial Intelligence is designed to prepare students for job entry in programming artificial intelligence and machine learning applications. This certificate emphasizes on students exploring the many facets that make up the artificial intelligence field: searching, logic, probabilistic uncertainty, and machine learning. Programming libraries and technologies used by industry are utilized in this certificate to prepare students for job entry.

Career Opportunities
Artificial intelligence programmer Machine learning engineer Data scientist Business intelligence developer

Program Outcomes

- Upon completion of the Certificate of Achievement in Artificial Intelligence, students will be able to analyze a problem, determine which artificial intelligence algorithms are viable and develop an appropriate solution.
- Upon completion of the Certificate of Achievement in Artificial Intelligence, students will be able to use existing artificial intelligence and machine learning programming libraries on a data set to create a valid model that justifies their design decisions.

Learning and Career Pathway Maps

View LPC Program Map

Required Core: (21 Units)
CS 1 Computing Fundamentals I..4
CS 2 Computing Fundamentals II...4
CS 4 Introduction to Artificial Intelligence.. 3
CS 5 Introduction to Machine Learning.. 3
CS 7 Introduction to Computer Programming Concepts..3
MATH 40 Statistics and Probability.. 4