MODELING AND SIMULATION DESIGN - 9005220
Grade 9-12 , Credit 1.0

This course explores the fundamental principles of 3D modeling and simulation design for Artificial Intelligence and application including modeling principles, 3D software, problem analysis, problem solving and its implications for meeting the needs of industry and society.

Hands-on activities using AI modeling and simulation development tools (i.e. Fusion360, Blender, 3D Printers, Pytorch, Tensorflow, or other comparable software) will be integrated into the curriculum. The culminating activity is the creation of a visual AI model to aid in the development of a professional portfolio showcasing knowledge.