

MODELING AND SIMULATION PROTOTYPING AND INNOVATION - 9005240

Grade 9-12 , Credit 1.0

Prerequisite: Must take classes 1-3 in the AI/AT course list.

This course provides students with the extended Artificial Intelligence modeling and simulation content and builds on skills essential for innovating, designing and producing prototypes for use in the world.

Hands-on activities using AI / ML modeling and simulation development tools (i.e. Pytorch, Tensorflow, Fusion360, or other comparable software) will be integrated into the curriculum.

The culminating activity is the completion of a capstone project to demonstrate competency in the field of AI / ML research, design and practice and to aid in the completion of a professional portfolio.