The goal of project-based learning is to enhance the overall student involvement in their educational journey while ensuring their successful completion of their STEM core curriculum.

Project-based learning can be successfully implemented in all modalities including traditional face-to-face, hybrid, online-synchronous, and online-asynchronous. The individualized nature of this technique allows for multiple entry points and student creativity.

The goal of our course re-design was to implement a project-based approach which fully emersed students into their course work and allowed for individualized content. The students are guided through a series of Milestones where they work through a process of researching their dream job and identifying an individual with this job, providing scenarios that relate to their career field of choice, and creating a finished portfolio to showcase their semester journey.

Project-based learning focuses on three major areas which include “Belong Certainty”, “Self-Efficacy”, and “Trust and Fairness”.

The students enjoyed the individualized approach to the course and provided positive feedback regarding their journey and experience with the course. Additionally, several students offered and participated in a video presentation explaining their personal experiences with the project and our course re-design.