Description

In this three credit, 15-week online graduate course, apply the tools you have acquired throughout your studies in a semester-long project to finalize your graduate degree. This self-designed project is a unique opportunity to incorporate the expertise you have gained from your completed certificates. You will work closely with an instructor mentor to scope the project and address a workplace challenge. You are encouraged to engage stakeholders throughout your organization to help you decide what efforts would be most valuable. This will also secure that any participants in the project would be fully engaged in your change initiative.

Course Project

Work individually with your instructor mentor to brainstorm a specific project – the project can be from your work or for something you wish to explore. Define the goals/outcomes for the project and create a project plan using either traditional project management methodologies or agile and scrum methodologies. Work your project plan, tracking your progress, and meet regularly (weekly or bi-weekly) with your instructor mentor to share results, discuss challenges, get advice, and receive encouragement. In the end, summarize your results and conclusions in an executive presentation showcasing your methodology, approach, accomplishments and outcomes.

Project topics are chosen by you and must draw from the ability sets gained across your graduate certificates and disciplines. Projects combining two or more of the following topics are commonly chosen: analytics, process improvement (both business and manufacturing), systems engineering, change initiatives, project management, and new product development.

Outcomes

Completion of this courses enables you to:

- Address unresolved workplace challenges
- Draw conclusions from disparate fields and data to inform an overarching inquiry
- Scope, plan, execute and draw meaningful conclusions within a specific timeframe
- Integrate and synthesize what you have learned in your certificates

Technology

Rensselaer at Work courses are offered through the RensselaerStudio, providing ease of access to all course technologies and software required, any time, anywhere. Individualized project mentoring sessions are held via Zoom.