Technology Experiential Education (TECX) Courses

TECX4099 College of Engineering & Design Internship
This course allows students enrolled in the College of Engineering & Design the opportunity to engage in experiential learning to integrate knowledge and theory learned in the classroom with practical application and skills development in a professional setting. Through this internship, students gain valuable applied experience and have the opportunity to make connections within their chosen field/industry. Additionally, students gain firsthand experience with the challenges, nuances and everyday expectations associated with a variety of functions within the workplace. Through the internship and reflective assignments, students gain greater insight regarding their own career-readiness and what is required for success in their chosen profession.
Prerequisite(s): To be eligible for this internship, students must: 1) maintain a 2.75 cumulative GPA and 2) have completed 90 hours of course work.
Offered at Charlotte, Online, Providence
3-12 Semester Credits

TECX4190 Technical Solutions Design Project
The Technical Solutions Design Project offers students an intensive, semester-long, project-based experiential learning opportunity conducted under the supervision of a faculty member. Experiences are driven by a design idea or technical problem resolution to create and complete a functional product or project which includes real-world constraints and considers industry standards and codes. Students work independently on a design or technical problem resolution or in project teams to apply acquired discipline-specific skills and knowledge, develop leadership and collaborative abilities and refine critical thinking, problem solving skills and project management skills. Students submit their work for regular phase reviews on specific time schedules to monitor project progress, quality and functionality. This course is one of several options in the College of Engineering & Design for students to fulfill their experiential education requirements.
Prerequisite(s): Junior status, Department Chair Approval.
Offered at Charlotte, Providence
3 Semester Credits