



ITIS 5135 | Web-Based Application Design and Development | 3 credits

Course Description:

In this course you will learn to design and develop interactive web-based applications. Topics include components of a web application, web design and development guidelines, programming languages for web applications, the Document Object Model (DOM), event-driven programming, and asynchronously exchange of data.

Course Objectives:

- Identify the components of web applications
- Design webpages following web design guidelines and using a markup language and a style sheet language
- Develop interactions within a webpage using a scripting language
- Develop web pages that can asynchronously exchange data with a web server
- Present a completely developed interactive web application

Co-requisite:

ITIS 5101 – Software Development

Course Structure:

It is an online course, where you will be actively participating in all the course activities and online discussions using the Canvas learning management system. The course is divided into five modules and a project module. Each of the five modules run for 2-5 weeks and focuses on helping you learn skills to design and develop a web-based application. The project module runs parallel for the entire semester that helps you to apply your knowledge and skills to progressively design and develop a web-based application for a real-life client.