

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: ITP 244

Credits: 4

Course Title: ASP.NET - Server Side Programming

Course Description: Entails instruction in creation of ASP.NET web applications to deliver dynamic content to a web site utilizing server controls, web forms, and web services to accomplish complex data access tasks using the MVC (Model-View Controller) design pattern. Prerequisite or Co-requisite: ITD 130, ITP 236 or IT faculty approval. Lecture 4 hours per week.

General Course Purpose: Serves as a required course for the Information Systems Technology AAS degree - Computer Programmer concentration and Computer Programmer Career Studies Certificate.

Course Prerequisites and Co-requisites:

Prerequisites or Co-requisites: ITD 130, ITP 236 or IT faculty approval

Student Learning Outcomes:

Upon completing the course, the student will be able to

- a. Apply the fundamentals of web application design, development, and deployment using MVC (Model-View-Controller) and the .NET framework; and
- b. Use C# programming language to manage and create data-driven web pages to provide dynamic content.

Major Topics to Be Included:

- a. User-Interface Design
- b. Model
- c. View (Full and Partial)
- d. Controller
- e. Client tools such JQuery, Bootstrap, JavaScript
- f. 3rd Party Controls

Effective Date of Course Content Summary: August 16, 2018