

# Advanced MS Web Development CIS-296 30 0

Spring Term 2024-2025 School Year Section 30 0 3.00 Credits 01/13/2025 to 05/09/2025 Modified 01/13/2025

## Course Description

Techniques required for developing professional eCommerce web applications such as securing a web site, authenticating users, and configuring and deploying applications will be covered in this course. Students will also learn how to use a variety of data access features including SQL, object data sources and stored procedures. Prerequisite: CIS 236

## Outcomes

### Course Outcomes

During this course we will work on developing multi-page ASP.NET Core MVC applications that use databases. We will use Bootstrap to create a responsive web applications, in addition we will work on testing and debugging these applications. We will expand on some skills such as Razor views, model binding, data validation, EF (Entity Framework) Core, session state and cookies. This course will present skills that will take your web development to a professional level. We will also work with dependency injection (DI), unit testing, custom tag helpers, partial views, view components, authentication, and authorization.

You will apply the programming skills that you will learn in ASP.NET Core MVC by developing a website called SportsProTechnical Support. The purpose of this website is to track technical support service calls (incidents) in a database that also stores information about the company's customers, software products, and technicians.

# Prerequisites

CIS 131 C# Programming (or equivalent), and CIS 236

## Course Materials

### Murach's ASP.NET Core MVC

**Author:** Delamater & Murach

**Publisher:** Mike Murach & Associates, Inc

**ISBN:** 978-1-943872-49-7

**Availability:** Both physical text and eBook on the bookstore website: <https://bookstore.southeasttech.com>

## Evaluation Procedures and Grading

### Criteria

Type	Weight	Topic	Notes
Exams	30%		
Assignments	40%		
Team Project	30%		

### Breakdown

Grade	Range	Notes
A	90-100	

Grade	Range	Notes
B	80-89.99	
C	70-79.99	
D	60-69.99	
F	0-59.99	