

## **ITDEV-177: Systems Analysis and Design**

### Course Description:

Students will investigate the theory and concepts of client/server implementations with advanced database concepts and practices including the use of both of these technologies in the development of electronic commerce sites. MATC strongly recommends that students complete ITDEV-150 and ITDEV-177, or have the equivalent skills, prior to enrollment in this course.

Total Credits: 3.00

### Course Competencies

- 1. Implement client/server application with ASP.net**
- 2. Utilize a relational database management system with a web application**
- 3. Adhere to MVC (Model,View,Controller) framework**
- 4. Update a live web page from a server**
- 5. Develop web services**
- 6. Use a web API (Application Programming Interface) in a web page**