Computer Science

CSC 1010. Intro to Full Stack Web Devel. 12 Units.
The course will give students the knowledge and comprehension to fully understand the responsibilities of a Full Stack Web Developer. The course will teach students to utilize the basic software applications and tools used by industry professionals to develop, debug and design web applications. Students will be taught the basic knowledge and skills that enables them to develop into a Full Stack Web Developer; a programmer with a complete technical profile that covers client side, server side-middle tier, and backend-database developments. The course will give students the basic knowledge needed to understand and participate in the main tasks of Web development: designing, and debugging software that runs in a cross-browser environment, on a web server leading into a database server. After completing the intro course, the student will have a basic knowledge in API, HTML/CSS, C#, JavaScript, JQuery and Database Development on the Web, among others. The course will teach students how to work in server, network, and hosting environments. They will obtain the knowledge to understand the concepts in relational and non-relational databases and how they interact with API's and the outside world. They will also be introduced to interface and user experiences, quality assurance, security concerns, and understanding customer and client needs. Specifically, the course will produce a programmer who is prepared to apply the concepts and skills learned to a more complex scenario, understanding many of the most popular design patterns: APIs, libraries and technologies including but not limited to: HTML5, CSS3, JavaScript, Bootstrap, MVVM, MVC, Angularjs, jQuery, Ajax, Inversion of Control, Principles of Object Oriented Design, Data Structures, Data Access, Database Design and Architecture, GIS, SMS, SMTP and RESTful Api Design.

CSC 3010. Immersive Full Stack Web Devel. 16 Units.
Immersive Full Stack Web Development.

CSC 4510. Independent Study: Computer Science. 1-4 Unit.

General Education Transfer Credit Equivalency: Do not make any sections from this course.

General Education Transfer Credit Equivalency: Do not make any sections from this course.

CSC X4000. Computer Science / Quant Domain. 1-9 Unit.
General Education Transfer Credit Equivalency: Do not make any sections from this course.

CSC X4001. Comp Sci & Bus / Quantitative Dom. 1-9 Unit.
General Education Transfer Credit Equivalency: Do not make any sections from this course.