

Full Stack Web Development

(Difficulty: Intermediate) – [internal 2012-04-18](#)

Description:

This course discusses full stack web development and contains two parts. Part 1 (Front-end JavaScript) focuses on using current client-side web tools to create practical interfaces and workflows for a front-end application. Part 2 (Servers) focuses on server-side technologies such as server administration and server-side scripting. Specific software and languages taught will depend on the course instructor, current trends in web development, and the technologies used by sponsoring companies. The skills taught in this course enables students to touch many facets of society (including, but not limited to the workplace), the course spends significant time discussing the relevance of the ministry of Jesus to the field of technology, emboldening students to make ethical, intelligent managerial decisions in the workplace.

Part 1 : Front-end JavaScript

- HTML, CSS
- JavaScript, TypeScript
- Github
- Front-end frameworks and APIs
- Who is Jesus?
- What does Jesus teach about the technology field?

Part 2 : Servers

- Server-side technologies
- Database
- NodeJS
- Server administration and security
- God the Father, the designer and administrator of our salvation.
- What is God's will for your technological gifts?

Students will be encouraged to write applications based on their interests although fully guided assignments will be provided as well.

Pre-requisites:

Basic prior knowledge of a programming language. Interviews will be conducted to determine the suitability of the student (please see selection process). No prior web knowledge is required but would be an asset.

Class Delivery (subject to change):

Part 1: July 5 – Sept 10 (10 weeks)
MWF 6:30pm-8:30pm
Via Zoom

Part2: Sept 20 – Dec 3 (10 weeks)
Tu, Th 6:30pm-9:30pm
TBA

Note: Classes will be delivered live unless specified otherwise. You will be expected to attend at least 80% of the live classes *and* submit the associated exercises in order to stay in good standing for the course.

Selection Process:

The registration/application process for Part 1 will begin in May at <https://www.mergebc.org>. Sometime in June, you will be notified as to whether you have been accepted for this course and if accepted, will be invited for an interview.

A separate application process must be made for Part 2 of the course although students who pass Part 1 will have priority.

Cost:

We are a non-profit organization, all costs associated with running the course are covered by the organization via charitable donors. The only cost to the student is the responsibility of attending classes and being in good standing in a course.

Technical Requirements:

You will be required to have a laptop (running an updated version of Windows or MacOSX). If you do not have a computer, one can be lent to you for the duration of the course.