

FULL STACK DEVELOPER CERTIFICATE IN APPLIED SCIENCE

Overview

Program Description

The Full Stack Developer Certificate prepares students for a career in full-stack software development. The required coursework successfully develops students' skills teaching them introductory web programming, client-side scripting, structured and object-oriented programming, and database programming and design.

Mission Statement

The mission of the Full Stack Developer Certificate in Applied Science is to provide comprehensive training in Full Stack Web Development. Topics include Python, C#, Java, HTML5 and CSS3, Javascript, office productivity applications, project management, and relational databases.

Entrance Requirements

High school diploma or GED

Type of Program

Day or evening

Requirements for Completion

This program requires a minimum grade of "C" in all courses.

Employment Opportunities

Visit our department web page at <https://www.gvltec.edu/computertechnology/>.

Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

Note: Please contact your advisor for recommended evening schedules.

First Semester		Hours
CPT 113	Information Systems	3
CPT 170	Computer Applications I	3
CPT 257	Operating Systems	3
Total Semester Hours		9
Second Semester		
CPT 127	Python Programming I	3
IST 272	Relational Database	3
Total Semester Hours		6
Third Semester		
CPT 230	C# Programming I	3

IST 226	Internet Programming	3
Total Semester Hours		6
Fourth Semester		
Select one of the following:		3
CPT 227	Python Programming II	
CPT 189	Data Science I	
CPT 270	Computer Applications II	
CPT 283	PHP Programming I	
CPT 231	C# Programming II	3
CPT 236	Java Programming I	3
Total Semester Hours		9
Fifth Semester		
CPT 237	Java Programming II	3
IST 239	Javascript	3
IST 278	Database Programming	3
Total Semester Hours		9
Total Required Credit Hours		39