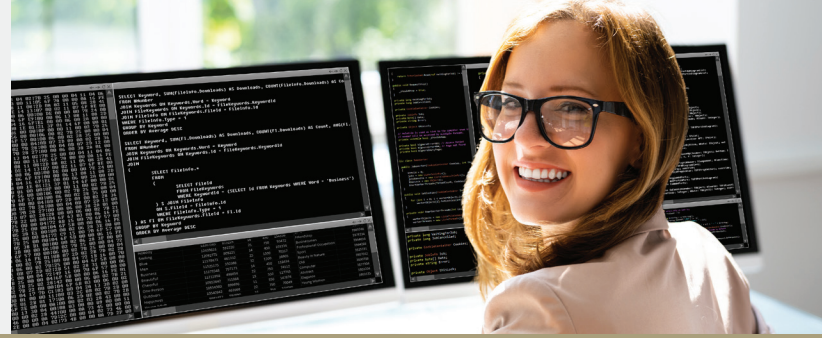# SOFTWARE DEVELOPER

DURATION - 33 Weeks*

COURSES - 10

Train in programming languages to design and build websites, computer programs, and apps. You will receive hands-on training in coding from scratch using JavaScript, HTML and CSS.

WHAT WE TEACH
• Produce dynamic, responsive websites using HTML5, CSS3 and JavaScript

• Program server side applications & RESTful Web API's using Express, ASP. NET or Spring

• MySQL & MongoDB to design tables & collections

• Industry development processes through SCRUM and Kanban

WHAT WE PROVIDE
• Courses taught and delivered by industry experts

• Cutting-edge technical skills

• Preparation for dynamic career in software development

Pacific Union College does not guarantee employment.

AVAILABLE STACKABLE BADGES & CERTIFICATION
• Created by Industry Experts and Employers

• Curriculum created by industry experts for employers and with instructors meeting college level standards.

SWD100 — HTML, CSS, & Javascript & progress with GIT

SWD101 — Front End Foundations

SWD102 — Programming Foundations

SWD103 — Front End Frameworks

SWD104 — Back End Foundations

SWD105 — Database Foundations

SWD106 — Mobile Apps and Responsive Design

SWD107 — Agile Project Management and Career Skills

SWD108 — Deployment and Web Security

SWD109 — Group Project

*For successful full-time enrollment.

LIVE-VIRTUAL SUPPORT

Admissions Advisors	**Program Directors**
Instructors	**Directors of Education**
Success Coach	**Mentors**

COURSE OUTLINE

Code	Course	Description
SWD100	**Coding from Scratch**	Learn foundations of HTML, CSS and JavaScript and how to record and share progress with Git
SWD101	**Front End Foundations**	Create robust web apps and code structure for large, client-side web projects
SWD102	**Programming Foundations**	Understand programming principles of chosen career path. Learn language specific concepts in Java C# or JavaScript
SWD103	**Front End Frameworks**	Learn front-end best practices and Single Page Web Applications (SPA) with either React or Angular frameworks
SWD104	**Back End Foundations**	Create server-side web apps and services with choice of Express, ASP .NET or Spring
SWD105	**Database Foundations**	Learn how to design, store & manipulate databases. Students will work with both rational (SQL) & non-rational databases
SWD106	**Mobile Apps and Responsive Design**	Explore Responsive Design principles and create a mobile-first experience to be used on mobile apps (iOS/Android)
SWD107	**Agile Project Management and Career Skills**	Manage software projects & teams, learn roles & responsibilities as well as the Software Development Lifecycle (SDLC)
SWD108	**Deployment and Web Security**	Understand the process and benefits of deploying a web application to a cloud hosting provider
SWD109	**Group Project**	Build a full-stack application as an Agile Project Team followed by a presentation in front of family, friends, and employers

Professional
WORKFORCE DEVELOPMENT
— at Pacific Union College —