BLACKHAWK Technical College

WEB SOFTWARE DEVELOPER

Associate of Applied Science Degree
10-152-4

The IT-Web Software Developer Associate of Applied Science Degree meets the specific skills and knowledge requirements of technical and professional jobs within the information technology field for Web Development specialists including programmer, front end developer, or web design/support. It is designed to meet entry-level education needs of most segments of the web development field which involve front end programming. Training blends general educational development and required web development skills. Graduates are prepared for entry-level Web developer jobs in government, insurance, manufacturing, service, software development, wholesale and retail sales, utilities, banking and accounting.

Program Outcomes

- Plan web-based solutions
- Design web application
- Build front-end of web-based software applications
- Build back-end of web-based software applications
- Integrate database technologies
- Develop technical documentation for web applications
- Test web application

Semester 1

		Credits
102-148	Introduction to Business and Management	3
103-132	Intro to Adobe Illustrator	1
103-133	Intro to Photoshop - Designing and Editing	1
152-126	Introduction to Programming	2
152-127	Web Servers and Web Server Administration	2
152-195	Markup Basics 1	1
152-197	Design Basics for Front-end Development 1	1
203-131	Intro to Digital Photography & Color	1
801-136	English Composition 1	3
	Credits	**15**

Semester 2

152-119	High Level Scripting	3
152-125	Design Basics for Front-end Development 2	2
152-128	Markup Basics 2	2
152-163	Relational Database Design & Development	3
804-134 or 804-118	Mathematical Reasoning or Intermediate Algebra with Applications	3-4
809-196	Introduction to Sociology	3
	Credits	**16-17**

Semester 3

152-130	Project & Framework Management	2
152-131	Version Control	2
152-132	Cybersecurity	1
152-215	Content Management Systems 1	1
152-216	Content Management Systems 2	1
152-218	Search Engine Optimization	1
152-222	Front End Framework	1
152-224	Emerging Technologies Research	1
801-198	Speech	3
809-198	Introduction to Psychology	3
	Credits	**16**

Semester 4

152-134	Responsive Design	2

152-142	Programming	3
152-156	Social Media	3
152-001	Artificial Intelligence (AI) for Web Developers	2
152-234	Resume and Portfolio Development for Web Developers	1
152-235	Emerging Technologies Capstone	3
	Credits	**14**
	Total Credits	**61-62**

General Education Courses Within Program

Code	Title	Credits
801-136	English Composition 1	3
801-198	Speech	3
804-134	Mathematical Reasoning	3-4
or 804-118	Intermediate Algebra with Applications	
809-198	Introduction to Psychology	3
809-196	Introduction to Sociology	3