

Information Technology: Web & Digital Communications



Career Pathway Plan of Study: Web Developer

Average Salary
\$65k - \$90K

Career Track Description: Web developers help to make website vision a reality. Jobs in this field are expected to see a much faster growth than the average by 2026.

Education Levels	Grade	Career and Technical Courses for Web & Digital Communications Pathway	eDL Course Recommended Elective Options	eDL Course Options For English, Science and Social Studies
Secondary	9	<ul style="list-style-type: none"> Principles of Information Technology 1a: Introduction Principles of Information Technology 1b: Working with Computers 	<ul style="list-style-type: none"> Workplace and Internship Readiness Social Media: Our Connected World Personal Psychology: The Road to Self-Discovery Personal Psychology: Living in a Complex World 	<ul style="list-style-type: none"> Anatomy and Physiology 1a: Introduction Anatomy and Physiology 1b: Discovering Form and Function Marine Science: Secrets of the Blue
	10	<ul style="list-style-type: none"> Web Development 1a: Introduction Web Development 1b: Planning and Designing 	<ul style="list-style-type: none"> Public Speaking 1a: Introduction Public Speaking 1b: Finding Your Voice Microsoft PowerPoint Microsoft Word Microsoft Excel 	<ul style="list-style-type: none"> Introduction to Renewable Technologies Astronomy 1a: Introduction Astronomy 1b: Exploring the Universe
	11	<ul style="list-style-type: none"> Web Development 2a: Sketching and Scripting Web Development 2b: Website Goes Live 	<ul style="list-style-type: none"> The Lord of the Rings: An Exploration of the Films & Their Literary Influences 	<ul style="list-style-type: none"> Creative Writing: Unleashing the Core of Your Imagination Introduction to Programming 1a: Introduction Introduction to Programming 1b: Problem Solving Through Programming
	12	<p>Optional Course Options:</p> <ul style="list-style-type: none"> Animation 1a: Introduction Animation 1b: Animating Your Creativity <p><small>*Courses with an "a" and "b" version are each a semester in length and taught together over the course of one year.</small></p>	<ul style="list-style-type: none"> Theater, Cinema, and Film Production 1a: Introduction Theater, Cinema & Film Production 1b: Lights, Camera, Action! Digital Photography 1a: Introduction Digital Photography 1b: Creating Images with Impact! <p><small>*All courses listed above are options appropriate for grades 9-12</small></p>	<ul style="list-style-type: none"> Introduction to Programming 1a: Introduction Introduction to Programming 1b: Problem Solving Through Programming Gothic Literature: Monster Stories Mythology & Folklore <p><small>*All courses listed above are options appropriate for grades 9-12</small></p>

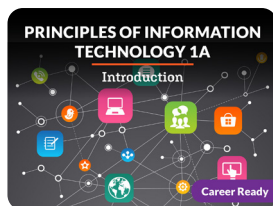
Middle School Course Recommendation:
 Middle School Exploring IT
 Middle School Digital Art and Design

 **Industry Certifications** 

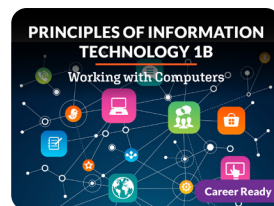
- iC3 Computing Fundamentals (mid pathway)
- iC3 Living Online (mid pathway)
- iC3 Key Applications (mid pathway)

- CompTIA IT Fundamentals (ITF+) (mid pathway)
- CIW Site Development Associate
- ICT Web Design Essentials

Course Descriptions



Explore a range of concepts to gain the foundational knowledge you'll need to start exploring careers in this field to find out which ones suit your interests and abilities. [LEARN MORE >](#)



Starting with an overview of programming, algorithms, and compilers, you'll then learn the basics of web page design and creating graphics. [LEARN MORE >](#)



How many times per day do you access the internet, including social media? The web is an important part of our daily lives, so it's no surprise that web development is one of the hottest career fields. [LEARN MORE >](#)

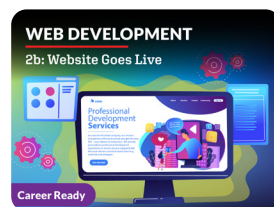


Websites need to be functional, but they need to look great while doing the job! Now that you've learned how to create web content, you'll learn how to apply design principles, like color combinations and font choices, to achieve the greatest impact.

[LEARN MORE >](#)



You've already experienced web development on a smaller scale, but now, it's time to kick it up a notch! You'll hit the ground running with the Agile methodology of software development and how it plays into leadership and teamwork amongst developers. [LEARN MORE >](#)



Coming Soon!

[LEARN MORE >](#)



Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. [LEARN MORE >](#)



Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. [LEARN MORE >](#)



Discover how to build a well-rounded set of employability and leadership skills that allow you to guide your own career and nail your interviews. [LEARN MORE >](#)

Guide Passion to Purpose with eDynamic Learning!

[edynamiclearning.com](https://www.edynamiclearning.com)