

CompuScholar, Inc.
 Alignment to
 "Certified Internet Web (CIW) Web Foundations Associate "
 Certification Exam Requirements

CIW Course Details:

Course Name:	Certified Internet Web (CIW) Web Foundations Associate
Course Code(s):	Exam 1D0-610
Standards Link:	http://ciwcertified.com/Certifications/Web_Foundations_Series/associate.php

CompuScholar Course Details:

Course Title:	Web Design
Course ISBN:	978-0-9887070-3-0
Course Year:	2015

Note 1: Citation(s) listed may represent a subset of the instances where objectives are met throughout the

Introduction

The "CIW Site Development Associate" exam is designed to test knowledge of three domains: Internet Business Associate, Site Development Associate, and Network Technology Associate. Due to the diversity and depth of the topics, more than one year of study and more than one course is generally needed for preparation.

The CompuScholar "KidCoder: Web Design" course teaches fundamental HTML, CSS, and JavaScript skills. It can be used as preparation for corresponding parts of this CIW exam. Other exam topics are marked as "n/a" below and would need to be covered by supplemental resources, with additional time.

Exam Requirements

Domain 1: Internet Business Associate	CITATION(S)
1.1 Identify job roles in the Information Technology (IT) industry, including the responsibilities, tasks and skills they require.	Supplemental Lesson 4 Supplemental Lesson 8
1.2 Identify the infrastructure required to access the Internet, including hardware and software components.	Chapter 1, Lesson 1 Chapter 15 (all Lessons)
1.3 Define important Internet communications protocols and their roles in delivering basic Internet services.	Chapter 15, Lesson 2 Chapter 15, Lesson 5
1.4 Identify the basic principles of the Domain Name System (DNS).	Chapter 15, Lesson 3

1.5 Identify the functions of Web browsers, and use them to access the World Wide Web and other computer resources.	Chapter 1, Lesson 1 Chapter 2, Lesson 2 Chapter 13, Lesson 2
1.6 Use e-mail clients to send simple messages and files to other Internet users.	n/a
1.7 Define and use additional networking and Internet services.	Chapter 15 (all Lessons) Supplemental Lesson 2 Supplemental Lesson 3 Supplemental Lesson 9
1.8 Demonstrate ways to communicate effectively using Internet technology.	n/a
1.9 Identify and configure user customization features in Web browsers, including preferences, caching, cookies.	n/a
1.10 Identify security issues related to Internet clients (e.g., Web browsers, e-mail, instant messaging) in the workplace, including certificates, malware, illicit servers, viruses.	Chapter 16, Lesson 2
1.11 Use different types of Web search engines effectively.	Supplemental Lesson 3
1.12 Identify and use principles of Personal Information Management (PIM), including common applications.	n/a
1.13 Efficiently transmit text and binary files using popular Internet services.	Chapter 15, Lesson 5
1.14 Identify security-related ethical and legal issues faced by IT professionals.	Chapter 16, Lesson 1 Chapter 16, Lesson 2
1.15 Relate project management concepts and terms to the IT profession.	Chapter 14 (all Lessons) Supplemental Lesson 4 Supplemental Lesson 8
1.16 Recognize essential database concepts.	n/a
1.17 Conduct a Webcast and related services.	n/a
1.18 Distinguish between proprietary and open-source development models.	Chapter 16, Lesson 1
1.19 Define essential social networking and Web 2.0 concepts.	n/a
1.20 Manage career opportunities in the IT industry.	Supplemental Lesson 8 Supplemental Activity 8
1.21 Represent technical issues to a non-technical audience.	Supplemental Lesson 7

Domain 2: Site Development Associate	CITATION(S)
2.1 Demonstrate knowledge required to create a Web page.	Web pages created throughout the course
2.2 Add images and graphical formatting to HTML files, and create and edit images and audio.	Chapter 11, Lesson 1 Chapter 11, Lesson 2
2.3 Identify and use design and color principles for Web pages.	Chapter 6, Lesson 2 Chapter 10, Lesson 1
2.4 Create a basic HTML form that accepts user input.	Supplemental Lesson 11
2.6 Define Extensible Markup Language (XML), and identify its features and appropriate use.	Chapter 1, Lesson 2
2.7 Identify essential Web site navigation issues, and ensure page/site accessibility.	Chapter 5, Lesson 3 Chapter 13, Lesson 1
2.8 Define and apply essential aspects of the Cascading Style Sheets (CSS) standard, including CSS versions 1, 2 and 3.	Chapter 6 and subsequent chapters
2.9 Use the most current version of Hypertext Markup Language (HTML5) to create Web pages.	HTML5 is used throughout the course
2.10 Identify technologies for enhancing the user's Web experience, including programming languages, multimedia technologies.	Chapter 13, Lesson 3 Chapter 25
2.11 Use GUI-based HTML editing software to create Web pages.	Chapter 16, Lesson 4 Second-semester activities
2.12 Test and analyze Web site performance issues.	Supplemental Lesson 1 Supplemental Lesson 9
2.13 Identify steps in the Web site planning and development process.	Chapter 14 (all Lessons) Supplemental Lesson 4
2.14 Identify essential issues in developing and maintaining a Web site, including project management, testing, legal issues.	Chapter 16, Lesson 1 Chapter 16, Lesson 2
2.15 Plan and deliver oral presentations of your Web site, during and after site development.	Chapter 14 (all Activities)
2.16 Define electronic commerce (e-commerce) and related technologies and concepts necessary to develop a secure, useful interface (i.e., storefront).	Chapter 13, Lesson 3 Chapter 13, Lesson 4 Chapter 16, Lesson 2
2.17 Demonstrate knowledge of languages commonly used to provide database connectivity to Web sites.	Chapter 13, Lesson 3
2.18 Identify the benefits and drawbacks of running your own Web server versus using a service provider.	Supplemental Lesson 1
2.19 Identify common strategies for managing an end user's experience and improving site creativity.	Chapter 6, Lesson 2 Chapter 10, Lesson 1
2.20 Consider copyright and ethical issues when creating Web pages.	Chapter 11, Lesson 1 Chapter 16, Lesson 1
2.21 Design Web pages to industry standards.	Chapter 13, Lesson 2 (WCAG 2.0), plus HTML5 in all chapters and

Domain 3: Network Technology Associate	CITATION(S)
3.1 Demonstrate knowledge of basic data communications components, and demonstrate technical knowledge of the Internet.	Chapter 15, Lesson 2 Chapter 15, Lesson 3 Chapter 15, Lesson 4
3.2 Identify the role of networking hardware, and configure common hardware for operation.	Chapter 15, Lesson 3 (identify only)
3.3 Identify the relationship between IP addresses and domain names, including assignment of IP addresses within a subnet.	Chapter 15, Lesson 3 Chapter 15, Lesson 4
3.4 Identify the functions and components of servers commonly used on the Internet.	Chapter 15, Lesson 2
3.5 Identify common Internet security and availability issues, including user-level and enterprise-level concerns.	Chapter 16, Lesson 2 Supplemental Lesson 1
3.6 Identify common performance issues affecting Internet clients, including analysis, diagnosis.	n/a
3.7 Perform basic hardware and system maintenance for network-aware systems.	n/a
3.8 Manage fundamental elements of modern network-based client operating systems.	n/a
3.9 Configure and troubleshoot wireless networks.	n/a
3.10 Demonstrate understanding of virtualization.	Supplemental Lesson 1
3.11 Explain concepts involving personal privacy protection on the Internet.	Chapter 16, Lesson 2