

CompuScholar, Inc.
Alignment to
"Certiport IT Specialist (HTML and CSS) "
Certification Exam Requirements

Certiport Exam Details:

Exam Title:	IT Specialist (HTML and CSS)
Exam Link:	IT Specialist Certification (HTML and CSS)

CompuScholar Course Details:

Course Title:	Web Design
Course ISBN:	978-0-9887070-3-0
Course Year:	2023

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

Note 2: Citation(s) for a "Lesson" refer to the "Lesson Text" elements and associated "Activities" within the course, unless otherwise noted. The "Instructional Video" components are supplements designed to introduce or reinforce the main lesson concepts, and the Lesson Text contains full details.

Exam Description (From the Exam Link)

Candidates for this exam should be able to analyze and write syntactically correct HTML and CSS, structure data using HTML elements, and create and apply styles using CSS.

Candidates are expected to have at least 150 hours of instruction or hands-on experience with HTML and CSS, be familiar with their features and capabilities, and understand how to write, debug, and maintain well-formed HTML and CSS code.

Exam Requirements

1. HTML Fundamentals	CITATION(S)
1.1 Construct markup that uses metadata elements	
• script, noscript	Chapter 25, Lesson 1 (script only)
• style	Chapter 6, Lesson 3
• link	Chapter 6, Lesson 5
• meta tags (encoding, keywords, viewport, and description)	Chapter 3, Lesson 1 (description, keywords)

1.2 Construct well-formed page markup	
• DOCTYPE declaration	Chapter 2, Lesson 4
• html, head, body	Chapter 2, Lesson 4
• proper syntax, closing tags and commonly used symbols	Chapter 2, Lesson 3

2. CSS Fundamentals	CITATION(S)
2.1 Analyze and implement inline styles, internal (embedded) style sheets, and external style sheets	
• When to use inline styles, internal (embedded) style sheets, or external style sheets	Chapter 6, Lessons 1, 3, 5
• Precedence when using a combination of inline styles and style sheets	Chapter 6, Lesson 4
• Browser default style	Chapter 20, Lesson 1
2.2 Construct and analyze rule sets	
• Valid syntax for the CSS rule set	Chapter 6, Lesson 3
• Selectors (class, id, elements)	Chapter 7, Lesson 3
• Selectors (pseudoclass and descendent)	Chapters 22, 23

3. Document Structure using HTML	CITATION(S)
3.1 Construct and analyze markup to structure content and organize data	
• Table tags (table, tr, th, td)	Chapter 12, Lessons 1, 2
• Tags (h1-h6)	Chapter 3, Lesson 2
• Tags (p, br, hr)	Chapter 3, Lessons 2, 3 Chapter 4, Lesson 1
• Tags (div, span)	Chapter 4, Lesson 1
• Tags (ul, ol, li)	Chapter 4, Lesson 3
3.2 Construct and analyze markup that uses HTML5 semantic elements	
• Semantic tags (header, nav, section, article, aside, footer)	Chapter 17, Lessons 2, 3, 4
• Semantic tags (details, summary)	N/A
• Semantic tags (figure, caption)	Chapter 18, Lesson 1

3.3 Construct and analyze markup that implements navigation	
• target, anchor (a href), bookmark	Chapter 5, Lesson 1
• Relative vs. absolute links	Chapter 5, Lessons 2, 4
• Navigating simple folder hierarchies, map, area	Chapter 5, Lesson 2
• map, area	Supplemental Lesson 10
3.4 Construct and analyze markup that uses form elements	
• Form attributes, action, method, submission methods, input types and restrictions, select, textarea, button, option, label	Supplemental Lesson 11

4. Multimedia Presentation using HTML	CITATION(S)
4.1 Construct and analyze markup that displays images	
• img and picture elements and their attributes	Chapter 11, Lessons 2, 3 (img only)
4.2 Construct and analyze markup that plays video and audio	
• video, audio, source	Chapter 19, Lessons 2, 3
• track	N/A
• iframe	Supplemental Lesson 12

5. Webpage Styling using CSS	CITATION(S)
5.1 Construct and analyze styles that position content	
• Positioning (float, relative, absolute, static, and fixed)	Chapter 9, Lessons 1, 2
• max-width, overflow, height, width	Chapter 9, Lessons 1, 4
• align, display	Chapter 10, Lesson 2 Chapter 24, Lesson 2
• inline vs. block	Chapter 4, Lesson 1
• visibility	N/A
• box model	Chapter 7, Lesson 2
• margins and padding	Chapter 7, Lesson 2

5.2 Construct and analyze styles that format text	
• font-family, font-style, font-size, font-weight, font-variant,	Chapter 7, Lesson 1
• color, link colors	Chapter 6, Lessons 1, 2 Chapter 8, Lesson 1
• text formatting, text alignment, text decoration	Chapter 3, Lesson 3 Chapter 10, Lessons 2, 4
• indentation, line-height	Chapter 7, Lesson 2 Chapter 18, Lesson 3
• word-wrap, letter-spacing	N/A
5.3 Construct and analyze styles that format backgrounds and borders	
• border-color, border-style, border-width	Chapter 8, Lesson 3
• background properties, colors	Chapter 6, Lessons 1, 2 Chapter 8, Lesson 2 Chapter 21, Lesson 1
5.4 Construct and analyze styles that create a simple responsive layout	
• Units of measurement (percentages, pixels, em, vw, vh)	Chapter 9, Lesson 1 (percentages, pixels)
• viewport and media query	N/A
• frameworks and templates	N/A
• working with breakpoints, grids	N/A

6. Accessibility, Readability, and Testing	CITATION(S)
6.1 Construct well-formed HTML and CSS markup that conforms to industry best practices	
• Reusing rules and rule sets	Chapter 6, Lesson 5
• commenting	Chapter 6, Lesson 5
• web-safe fonts	Chapter 7, Lesson 1
• cross-platform usability	Chapter 17, Lesson 1 Chapter 20, Lesson 1
• separation of structure (HTML) and style (CSS)	Chapter 6, Lesson 5 Chapter 25, Lesson 4
6.2 Apply accessibility principles and evaluate content accessibility	
• Text alternatives	Chapter 13, Lesson 2 (Overview)
• color contrast and usage	Chapter 6, Lesson 2 Chapter 10, Lesson 1

• legibility of typography	Chapter 10, Lesson 1
• tab order, text resizing, text hierarchy, translate	N/A
6.3 Evaluate the structural integrity of HTML and CSS markup	
• Syntax errors, tag mismatch, cascading issues	Chapter 6, Lesson 4 Supplemental Lesson 9