

MTA: Introduction to Programming Using HTML and CSS – Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is not definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Exam 98-383: Introduction to Programming Using HTML and CSS

Understand HTML Fundamentals (10-15%)

Construct markup that uses metadata elements

- script; noscript; style; link; meta tags, including encoding, keywords, viewport, and translate

Construct well-formed markup that conforms to industry best practices

- DOCTYPE declaration; HTML; head; body; proper syntax, including closing tags and commonly used symbols; comments

Understand CSS Fundamentals (15-20%)

Analyze the impact of using inline styles, internal style sheets, and external style sheets

- when to use inline styles; when to use internal style sheets; when to use external style sheets; precedence when using a combination of inline styles and style sheets

Construct and analyze rule sets

- valid syntax for the CSS rule set; selectors, including class, id, elements and pseudo-class

Construct well-formed style sheets that conform to industry best practices

- reusing rules and rule sets; commenting; testing on multiple browsers; web safe fonts

Structure Documents Using HTML (30-35%)

Construct and analyze markup to structure content and organize data

- table tags; h1-h6; p; br; hr; div; span; ul; ol; li

Construct and analyze markup that uses HTML5 semantic elements

- semantic tags; header; nav; section; article; aside; footer; details; summary; figure; caption

Construct and analyze markup that implements navigation

- image links; a; target; bookmark; relative versus absolute links; navigating simple folder hierarchies

Construct and analyze markup that uses form elements

- form attributes; action; method; submission methods; accessibility; input types and restrictions; select; textarea; button; output; option; datalist; fieldset

Present Multimedia Using HTML (10-15%)

Construct and analyze markup that displays images

- img and picture elements and their attributes

Describe the appropriate use of the img, svg, and canvas elements

Construct and analyze markup that plays video and audio

- video; audio; track; source; simple iframe implementations

Style Web Pages Using CSS (20-25%)

Construct and analyze styles that position content

- positioning, including float, relative, absolute, max-width, overflow, height, width, and align; inline versus block; visibility; box model, including margins and padding

Construct and analyze styles that format text

- font-family; color; font-style; font-size; font-weight; link colors; text formatting, including text alignment, text decoration, and indentation

Construct and analyze styles that format backgrounds and borders

- border-color; border-style; border-width; backgrounds; divs; colors

Analyze styles that implement a simple responsive layout

- units of measure; responsive effects with CSS, including viewport and media query; percentages versus pixels; frameworks and templates; max width