

# WEB DEVELOPMENT AND DESIGN – PLANNING GUIDE\*

<input checked="" type="checkbox"/>	Course	Units	Semester Offered	Online	On Campus	Pre-Requisite	Advisory	Sequence
<b>Foundation Courses (required 15 units, 5 classes)</b>								
<input type="checkbox"/>	MAT 110 Digital Imaging 1 : Adobe Photoshop	3	Fall, Spring, Summer	Yes	Yes	None	None	1
<input type="checkbox"/>	MAT 120 Media Design 1 : Production	3	Fall, Spring	No	Yes	None	None	1
<input type="checkbox"/>	MAT 125 Web Design 1 : Fundamentals	3	Fall, Spring, Summer	Yes	Yes	None	None	1
<input type="checkbox"/>	MAT 135 Graphic Design 1 : Principles	3	Fall, Spring	Yes	Yes	None	None	1
<input type="checkbox"/>	MAT 165 Web Design 2 : Tools and Techniques	3	Fall, Spring	Yes	Yes	None	MAT 125	2
<b>Emphasis Courses (select 9-12 units, 3-4 classes; at least 6 units at 200 level)</b>								
<input type="checkbox"/>	MAT 150 Animation and Interactivity	3	Fall, Spring	Yes	Yes	None	MAT 120	1 - 2
<input type="checkbox"/>	MAT 175 Web Design : JavaScript and jQuery	3	Spring	Yes	Yes	MAT 125	MAT 165	2 - 3
<input type="checkbox"/>	MAT 190 Programming for Animation, Interactivity, and Games	3	Every Other Fall	No	Yes	None	MAT 150	2 - 3
<input type="checkbox"/>	MAT 215 Web Design : Mobile Sites and Apps	3	Every Other Fall	No	Yes	MAT 165	MAT 150	3 - 4
<input type="checkbox"/>	MAT 225 Web Design : PHP and WordPress	3	Fall	Yes	No	None	MAT 165	3 - 4
<input type="checkbox"/>	MAT 235 Web Design 3 : UX and UI Design and Production	3	Spring	No	Yes	None	MAT 165	3 - 4
<input type="checkbox"/>	MAT 270 Advanced Design Studio	3	Every Other Spring	No	Yes	Consent	None	3 - 4
<b>Elective Courses (select 0-3 units, 0-1 class)</b>								
<input type="checkbox"/>	MAT 182 Web Publishing: Adobe Muse	2	Spring	No	Yes	None	MAT 180	2 - 3
<input type="checkbox"/>	MAT 255 Business of Media Arts	1	Fall	No	Yes	None	None	3 - 4
<input type="checkbox"/>	CSIT 146 E-Commerce and Web Presence	3	Fall, Spring	Yes	No	None	None	1 - 2
<input type="checkbox"/>	CSIT 155 Social Media for Business	3	Fall, Spring	Yes	No	None	CSIT 105	1 - 2
<input type="checkbox"/>	BUS 133 Project Management	3	Spring	No	Yes	None	None	2 - 4
<input type="checkbox"/>	CS 130 Fundamentals of Scripting Languages	3	Spring	Yes	No	None	None	2 - 3
<b>Required to Graduate (required 3 units, 1 class)</b>								
<input type="checkbox"/>	MAT 290 Portfolio Development	3	Fall, Spring	No	Yes	None	Take Last	4

**Total Required: 30 Units**

\* This planning guide is intended to help you plan your course of study. Students should still meet with a counselor and/or departmental faculty. Course scheduling is subject to change. Check the official class schedule for specific course offerings. The "sequence" number indicates a recommended and progressive course of study and semester order for students in their 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, or 4<sup>th</sup> semester, based on a traditional two-year course of study. More information and course descriptions are available at [mat.miracosta.edu](http://mat.miracosta.edu).