



## Software Engineering Web Development

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✕	Course	Credits	Semester	Online	Milestones
	<b>Freshman (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher
	CS 1410 Object-oriented Programming	3	Fall, Spring		
	CS 1415 Object-oriented Programming Lab	1	Fall, Spring		
	MATH 1210 Calculus I	5	Fall, Spring		
	ENGL 1010 Expository Composition	3	Fall, Spring, Summ	X	
	GNST 1200 Foundations	3	Fall, Spring, Summ	X	
	Total Credits	15			
	<b>Freshman (Semester 2)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher.
	CS 2420 Data Structures & Algorithms	3	Spring		
	CS 2700 Digital Circuits	3	Spring		
	MATH 1220 Calculus II	4	Fall, Spring		
	ENGL 2010 Intermediate Research Writing	3	Fall, Spring, Summ	X	
	MATH 2270 Linear Algebra	3		X	
	Total Credits	16			
	<b>Sophomore (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher
	CS 2810 Computer Organization & Arch.	3	Fall		
	MATH 3310 Discrete Math	3	Fall		
	PHYS 2210 Physics for Sci. & Engr. I	4	Fall		
	PHYS 2210 Physics for Sci. & Engr. I Lab	1	Fall		
	American Institutions	3	Fall, Spring, Summ	X	
	GE-FA or HU or SS	3	Fall, Spring, Summ	X	
	Total Credits	17			
	<b>Sophomore (Semester 2)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher
	CS 2450 Intro to Software Engineering	3	Spring		
	CS 2860 Operating System Theory	3	Spring		
	MATH/SCI Elective	3	Fall, Spring		
	PHYS 2220 Physics for Sci. & Engr. II	4	Spring		
	PHYS 2220 Physics for Sci. & Engr. II Lab	1	Spring		
	GE-FA or HU or SS	3	Fall, Spring, Summ	X	
	Total Credits	17			
	<b>Junior (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher
	SE 3250 Survey of Languages	3	Fall		
	SE 3520 Database Theory	3	Fall		
	SE 3630 Mobile Application Development	3	Fall		
	MATH 3000 Statistics for Sci. & Engr.	3	Fall		
	CIS 1640 Database Design PHP	3	Fall		
	Total Credits	15			
	<b>Junior (Semester 2)</b>				

	SE 3410 Human Factors in Software Design	3	Spring		Meet with your academic advisor. Earn 2.0 GPA or higher.
	SE 3650 Prin & Patterns of Software Design	3	Spring		
	CIS 1811 Website Development	3	Spring		
	ENGL 3260 Technical Writing	3	Spring		
	GE-FA or HU or SS	3	Spring		
	<b>Total Credits</b>	<b>15</b>			
	<b>Senior (Semester 1)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher.
	SE 4120 Management of Software	2	Fall		
	SE 4220 Requirements Engineering	3	Fall		
	SE 4320 Personal Software Process	3	Fall		
	SE 4400 Software Engineering I	4	Fall		
	CIS 1820 Website Application Development	3	Fall		
	<b>Total Credits</b>	<b>15</b>			
	<b>Senior (Semester 2)</b>				Meet with your academic advisor. Earn 2.0 GPA or higher.
	SE 4140 Social & Ethical Issues in Comp.	2	Spring		
	SE 4230 Software Testing & Quality Engr.	3	Spring		
	SE 4340 Secure Coding Practices	3	Spring		
	SE 4450 Software Engineering II	4	Spring		
	GE Life Science	3	Fall, Spring, Summ	X	
	<b>Total Credits</b>	<b>15</b>			