

## Requirements for BS in Computer Science Catalog 2019-2020

Course	Prerequisites	Notes		
<b>CS 400 (1 cr)</b>		Waived if CS 415/414/410 not taken in first semester		
<b>IT 403</b>		C- required		
<b>CS 415 or CS 414 or CS 410</b>		C- required		
<b>CS 416 or CS 417</b>	CS 415 or CS 414 or CS 410	C- required		
<b>CS 501</b>	ENGL 401	Discovery (Inquiry, Environment, Technology & Society)		
<b>CS 515</b>		C- required		
<b>CS 520</b>		C- required		
<b>CS 619</b>	CS 515			
<b>CS 620</b>	CS 520			
<b>CS 659</b>	Math 531			
<b>CS 671</b>	CS 520			
<b>CS 758</b>	CS 515, CS 659			
<b>CS Implementation</b>	various	CS 712, CS 730, CS 735, CS 770		
<b>CS Theory</b>	various	CS 745, CS 750, CS 757		
<b>CS Elective</b>	various	CS7xx		
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<b>Professional Elective*</b>		From a list of approved professional electives		
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<b>CS 791 (2 cr)</b>	CS 619	Senior Capstone Project I		
<b>CS 792 (2 cr)</b>	CS 791	Senior Capstone Project II, WI		
<b>Math 425</b>		Discovery (Quantitative Reasoning)		
<b>Math 426</b>	Math 425			
<b>Math 531</b>	Math 425	WI		
<b>Statistics</b>	Math 425 or Math 426	Math 539 or Math 644		
<b>ECE 543</b>				
<b>ECE 562</b>	ECE 543			
<b>ENGL 401</b>		WI, Discovery		
<b>DLAB I</b>		Physical Science with DLAB		
<b>DLAB II</b>		Biological Science with DLAB		
<b>FPA*</b>		Discovery (Fine and performing arts)		
<b>HP*</b>		Discovery (Historical perspectives)		
<b>HUMA*</b>		Discovery (Humanities)		
<b>SS*</b>		Discovery (Social Sciences)		
<b>WC*</b>		Discovery (World Cultures)		
<input type="checkbox"/> INQ (CS 501)	<input type="checkbox"/> WI 1 (ENGL 401)	<input type="checkbox"/> WI 2 (Disc.)	<input type="checkbox"/> WI 3 (Math 531)	<input type="checkbox"/> WI 4 (CS 792)

\* One of these discovery courses must be writing intensive