

Requirements for BS in Computer Science

Course	Prerequisites	Notes
<input type="checkbox"/> CS400 (1cr)		waived for transfer students who do not take CS415
<input type="checkbox"/> IT403		C ⁻ required
<input type="checkbox"/> CS415		C ⁻ required
<input type="checkbox"/> CS416	CS415	C ⁻ required
<input type="checkbox"/> CS501	Engl401	Discovery (Inquiry; environment, technology and society)
<input type="checkbox"/> CS515	CS416	C ⁻ required
<input type="checkbox"/> CS520	CS515	C ⁻ required
<input type="checkbox"/> CS619	CS515	
<input type="checkbox"/> CS620	CS520 or (CS515 + ECE562)	
<input type="checkbox"/> CS659	Math531	
<input type="checkbox"/> CS671	CS619	
<input type="checkbox"/> CS Impl. Int.*	various	CS712, CS720, CS730, CS735 or CS770
<input type="checkbox"/> CS Theory*	CS659 + various	CS712 (except if taken as impl. int.), CS758 or CS745
<input type="checkbox"/> CS Elective*	various	CS7xx (_____)
<input type="checkbox"/> CS Elective*	various	CS7xx (_____)
* one of these CS7xx courses must be WI or combined with a writing module CS696W		
<input type="checkbox"/> Professional Elective	various	chosen from the list of approved professional electives
<input type="checkbox"/> CS791 (2cr)	CS620 + CS671	Discovery (senior capstone experience), Project I
<input type="checkbox"/> CS792 (2cr)	CS791	Discovery (senior capstone experience), Project II
<input type="checkbox"/> Math425		Discovery (quantitative reasoning)
<input type="checkbox"/> Math426	Math425	
<input type="checkbox"/> Statistics	Math425 or Math426	Math539 or Math644
<input type="checkbox"/> Math531	Math425	WI
<input type="checkbox"/> ECE543		
<input type="checkbox"/> ECE562	ECE543	
<input type="checkbox"/> Engl401		WI, Discovery (writing skills)
<input type="checkbox"/> Engl502		WI, prefer section reserved for CS students
<input type="checkbox"/> DLAB I		Discovery (PS or BS), first half of a sequence (_____)
<input type="checkbox"/> DLAB II	DLAB I	second half of a sequence: Biol411&412, Chem403&404, Esci401&402, Esci409&402 or Phys407&408
<input type="checkbox"/> DLAB III		Discovery (BS if DLAB I/II is PS and vice-versa)(_____)
<input type="checkbox"/> FPA		Discovery (fine and performing arts) (_____)
<input type="checkbox"/> HP		Discovery (historical perspectives) (_____)
<input type="checkbox"/> HUMA		Discovery (humanities) (_____)
<input type="checkbox"/> SS		Discovery (social sciences) (_____)
<input type="checkbox"/> WC		Discovery (world cultures) (_____)
<input checked="" type="checkbox"/> INQ (CS501)	<input checked="" type="checkbox"/> WI 1 (Engl401)	<input checked="" type="checkbox"/> WI 2 (Engl502)
<input checked="" type="checkbox"/> WI 3 (Math531)	<input type="checkbox"/> WI 4 (CS_____)	

Sample CS Schedule 1		
	Fall	Spring
1	CS415*	CS416*, IT403*
2	CS515*	CS520
3	CS619, CS620	CS671
4	CS791	CS792

Sample CS Schedule 2		
	Fall	Spring
1		CS415*, IT403*
2	CS416*	CS515*
3	CS619, CS620	CS520, CS671
4	CS791	CS792

*These courses are offered both semesters.

CS Electives	
Fall 14	Spring 15
CS720	CS712
CS735	CS721
CS758	CS725
CS770	CS730
CS771	CS745
CS780 ¹	CS760
	CS767

¹Topics: Scientific Data Modeling and Visualization.