Computer Science Undergraduate Major Requirements (CSBS - Quarter to Semester Conversion)

	Quarter System					Semester System				
	Subject	Cat No.	Title	Units		Subject	Cat No.	Title	Units	Comments
CS Lower Division	CS	101	Introduction to Higher Education for Computer Science	2		CS	1010	Introduction to Higher Education for Computer Science	3	Includes Block E General Ed. Requirement
	CS	120	Introduction to Web Site Development	3						No longer required. Merged in CS3220.
	CS	122	Using Relational Databases and SQL	3		CS	1222	Introduction to Relational Databases	3	
	CS	201	Introduction to Programming	5		CS	2011	Introduction to Programming I	3	Three semester programming sequence
	CS	202	Introduction to Object Oriented Programming	5		CS	2012	Introduction to Programming II	3	
	CS	203	Programming with Data Structures	5		CS	2013	Programming with Data Structures	3	
	CS	245	Introduction to Computer Organization, Operating Syst	3						No longer required. Merged in other courses.
MATH	MATH	206	Calculus I	4		MATH	2110	Calculus I	4	Two semester Calculus sequence
	MATH	207	Calculus II	4		MATH	2120	Calculus II	4	
	MATH	208	Calculus III	4						No longer required. Merged in MATH2120.
	MATH	248	Discrete Mathematics	4		CS	2148	Discrete Structures	3	Offered by CS Department.
	MATH	255	Introduction to Linear Algebra	4		MATH	2550	Introduction to Linear Algebra	3	
	MATH	270	Prob. And Statistics	4		MATH	xxxx	Math elective	3	Prob., Stat., Adv. Calc. , etc., - Consult Advisor
PHYS	PHYS	211	Physics I	5		PHYS	2100	General Physics I	5	Two semester Physics sequence
	PHYS	212	Physics II	5		PHYS	2200	General Physics II	5	
	PHYS	213	Physics III	5						No longer required. Merged in PHYS2200.
ENGL	ENGL	102	Composition II: Analytical and Persuasive Writing	4		ENGL	2030	Introduction to Technical Writing	3	Offered by English Department.
CS Upper Division	CS	301	Computer Ethics and the Societal Impact of Computing	2		CS	3801	Societal and Ethical issues in Computing	3	Satisfies UD GE - Humanities Req.
	CS	312	Data Structures and Algorithms	4		CS	3112	Analysis of Algorithms	3	
	CS	320	Web and Internet Programming	3		CS	3220	Web and Internet Programming	3	
	CS	332FLC	Functional/Logic/C++ Programming	2,2,2		CS	3035	Programming Language Paradigms	3	A single paradigms course
	CS	337	Software Design	3		CS	3337	Software Engineering	3	
	CS	386	Introduction to Automata Theory	4		CS	3186	Introduction to Automata Theory	3	
	CS	437	Software Engineering	5		CS	3660	Complex social and economic systems	3	Satisfies UD GE - Social Science Req.
	CS	440	Introduction to Operating Systems	4		CS	4440	Introduction to Operating Systems	3	
	CS	496ABC	Software Design Laboratory	2,2,2		CS	4961,4962	Software Design Laboratory I, II	2,2	Two semester sequence
	CS	490	Computer Science Recapitulation	2		CS	4963	Computer Science Recapitulation	2	
EE	EE	444	Computer Architecture	4		EE	3445	Computer Organization	3	Offered by EE Department
CS Electives	CS	xxx	6 Electives	24		CS	xxxx	5 electives	15	Typically, 5 CS Upper Division Courses. Consult Advisor