



Degree Requirements for a BS in Computer Science

Concentration: Software Engineering

Effective: 8-15-16

COMPUTER SCIENCE REQUIREMENTS

PROGRAMMING	8 hours	ITSC 1212/L, 1213/L
COMMUNICATION	10 hours	ITSC 1600, ITCS 3688, ENGL 2116, and PHIL 1106
ANALYTIC	15 hours	MATH 1241, 1242, 2164, ITSC 2175, and STAT 2122
COMPUTER SCIENCE	13 hours	ITSC 2214, 3146, 3155, and 3181/L
RELATED WORK (approval required)	9-15 hours	15 hours of non-CCI courses forming an integrated program, at least 6 hours must be at the 3000 level or above OR 9 hours of MATH courses at the 3000 level or above
CONCENTRATION	27 hours	27 hours of required courses (see table below)

REQUIRED COURSES:

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ITIS 2300 +L	
ITIS 3130	ITIS 3310
ITCS 3160	ITIS 3320
ITIS 3200	ITIS 4166
ITIS 3300	ITIS 4221

CAPSTONE	3 hours	ITCS 4155, 4650, 4651, 4990 or 4991
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GENERAL EDUCATION REQUIREMENTS

GENERAL EDUCATION I Skills of Inquiry	3-6 hours	6 hours UWRT 1101, 1102; or 3 hours UWRT 1103 or UWRT 1104
GENERAL EDUCATION II Science	10 hours	7 hours of approved sciences with 1 lab 3 hours of approved social sciences
GENERAL EDUCATION III Liberal Education	12 hours	3 hours LBST 1101, 1102, 1103, 1104, or 1105 6 hours LBST 2101 and 2102 3 hours ITIS 2211
GENERAL EDUCATION IV Communication	counted above	ENGL 2116, ITSC 3688

FREE ELECTIVES

ELECTIVES	1-10 hours	
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TOTAL 120 hours

G.P.A. REQUIREMENT: At least 2.0 over each of the following three categories:

1. all courses applied to the degree, 2. all courses in the major, and 3. all upper division courses in the major.



**Curriculum Outline for a BS in Computer Science
Concentration: Software Engineering**

Freshman Year

<i>Fall</i>			<i>Spring</i>		
ITSC	1212/L	4	ITSC	1213/L	4
ITSC	1600	1	LBST	110X	3
MATH	1241	3	MATH	1242	3
UWRT	1101	3	UWRT	1102	3
SCIENCE + LAB		4	PHIL	1106	3
		<u>15</u>			<u>16</u>

Sophomore Year

<i>Fall</i>			<i>Spring</i>		
ITSC	2214	3	ITSC	2175	3
STAT	2122	3	MATH	2164	3
LBST	2101	3	LBST	2102	3
ENGL	2116	3	SCIENCE		3
SOCIAL SCIENCE		3	Related Work (1 of 5)		3
		<u>15</u>			<u>15</u>

Junior Year

<i>Fall</i>			<i>Spring</i>		
ITSC	3181+L	4	ITSC	3146	3
ITSC	3155	3	ITIS	2211	3
ITIS	2300+L	3	ITCS	3688	3
ITIS	3130	3	ITIS	3200	3
Related Work (2 of 5)		3	ITCS	3160	3
		<u>16</u>			<u>15</u>

Senior Year

<i>Fall</i>			<i>Spring</i>		
ITIS	3300	3	Capstone		3
ITIS	3310	3	ITIS	4221	3
ITIS	3320	3	Related Work (4 of 5)		3
ITIS	4166	3	Related Work (5 of 5)		3
Related Work (3 of 5)		3	Free Elective		1
		<u>15</u>			<u>13</u>

TOTAL 120 hours