



Degree Requirements for a BS in Computer Science

Concentration: AI, Robotics & Gaming

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	15 hours	3 hours of required courses; 12 hours of additional approved courses (see table below)

Required courses:	Select any four courses from the following list:	
ITCS 3153	ITCS 3120	ITCS 4151
	ITCS 3134	ITCS 4152
	ITCS 4123	ITCS 4156
	ITCS 4124	ITCS 4230
	ITCS 4150	ITCS 4231

CCI TECHNICAL ELECTIVES	6 hours	Must be at the 3000 level or above and in the College of Computing and Informatics
CAPSTONE	3 hours	ITCS 4155, 4232, 4238, 4650, 4651, 4990 or 4991

GENERAL EDUCATION REQUIREMENTS

GENERAL EDUCATION I Skills of Inquiry	3-6 hours	6 hours UWRT 1101 and 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, ITCS 3688

FREE ELECTIVES

ELECTIVES	7-16 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: AI, Robotics & Gaming**

Freshman Year

<i>Fall</i>			<i>Spring</i>		
ITSC	1212/L	4	ITSC	1213/L	4
ITSC	1600	1	PHIL	1106	3
UWRT	1101	3	MATH	1242	3
MATH	1241	3	UWRT	1102	3
SCIENCE + LAB		4	LBST	110X	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
ITCS	3153	3	ITCS	3688	3
Concentration Course (1 of 4)		3	Concentration Course (2 of 4)		3
Related Work (2 of 5)		3	Related Work (3 of 5)		3
		<u>16</u>			<u>15</u>

Senior Year

<i>Fall</i>			<i>Spring</i>		
CCI Technical Elective		3	Capstone		3
CCI Technical Elective		3	Concentration Course (4 of 4)		3
Concentration Course (3 of 4)		3	Related Work (5 of 5)		3
Related Work (4 of 5)		3	Free Elective		3
Free Elective		3	Free Elective		1
		<u>15</u>			<u>13</u>

TOTAL 120 hours