

Student:

B.S. in Computer Science / Languages and Systems (LGSY) Track

Liberal Studies Requirements

Learning Skills (12 cr)	Cr Hr	Sem	Grd
ENGL 101 College Writing	3		
ENGL 202 Research Writing	3		
Mathematics (MATH 125)	3	–	–
Knowledge Areas (29 cr)			
Humanities (9 cr)			
History (196, 197, or 198)	3		
Literature ¹	3		
Phil/Rel Studies ²	3		
Fine Arts ³ (3 cr)			
	3		
Natural Science ⁴ (8 cr)			
	4		
	4		
Dimensions of Wellness (3 cr)			
	3		
Social Science ⁵ (9 cr)			
	3		
	3		
	3		
Liberal Studies Elective (3-9 cr)			
<i>Satisfied by Math 216</i>	3	–	–
Global and Multicultural Awareness⁶ (3 cr)			
Writing Across the Curriculum⁷ (6 cr)			
<i>Satisfied by COSC 319W</i>	3	–	–

Basic Requirements for Computer Science

Computer Science Core (24 cr)	Cr Hr	Sem	Grd
COSC 105 Fundamentals of CS	3		
COSC 110 Problem Solving	3		
COSC 210 Object-Oriented	3		
COSC 300 Comp Org & Asmby	3		
COSC 310 Data Structures	3		
COSC 319W Software Engr	3		
COSC 341 Database Mgmt Sys	3		
COSC 380 Seminar Comp Prof	2		
COSC 480 Technical Topics	1		
Mathematics (9 cr)			
MATH 125 Calculus I	3		
MATH 216 Probability /Stats	3		
MATH 309 Discrete Math	3		

Languages and Systems Track

Required Courses (9 cr)			
COSC 420 or 424	3		
COSC 460 Theory Computation	3		
COSC 473 or 493 ⁸	3		
Controlled Electives (9 cr)⁹			
Upper Level Electives (6 cr)¹⁰			

Math Minor

Completion of Math Minor (9 cr) ¹¹			
MATH 171 Linear Algebra	3		

Free Electives

Electives (15-16 cr)			

Credit Summary (120 cr minimum)

Cr to Date	In Progress	Cr Planned	Total Cr

¹ Literature: ENGL 121, 122; ARHU 122, 123; FLNG 121; MUHI 102; ENGL 225, 226
² Philosophy & Religious Studies: PHIL 100, 101, 122, 130, 223, or 240; or RLST 100, 110, 120
³ ARHI 101, DANC 102, FIAR 101, MUHI 101, THTR 101, 161
⁴ Two natural science courses with labs (see catalog)
⁵ ANTH 110*, 211*, 213*; CRIM 101; ECON 101, 121; GEOG 101, 102, 104*; JRNL 105; PLSC 101*, 111; PSYC 101; RGPL 103*; SOC 151, 161*, 231 (Note: * also satisfy GMA)
⁶ May be satisfied by Social Science with * (see note 5)
⁷ Two courses with W suffix
⁸ Must take COSC 473 or complete 6 cr of COSC 493
⁹ Choose from COSC 220, 343, 345, 355, 362, 365; any course in COSC Upper-Level Elective list
¹⁰ Choose from COSC 405, 410, 430, 432, 465, 493 (if 12 cr taken, 3 cr are applied toward Required Courses and 3 cr toward Upper-Level Electives)
¹¹ MATH 125 and 216 may count toward minor (see MATH minor advisor)

