

Student:

B.S. in Computer Science / Software Engineering (SWEN) 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 (28-29 cr)			
Humanities (9 cr)			
History (196, 197, or 198)	3		
Literature ¹	3		
Phil/Rel Studies ²	3		
Fine Arts³ (3 cr)			
	3		
Natural Science (7-8 cr)			
	4		
	3-4		
Dimensions of Wellness (3 cr)			
	3		
Social Science⁴ (9 cr)			
	3		
	3		
	3		
Liberal Studies Elective (3 cr)			
<i>Satisfied by Math 216</i>	3	–	–
Global and Multicultural Awareness⁵ (3 cr)			
	3		
Writing Across the Curriculum⁶ (6 cr)			
COSC 319W	3	–	–

- 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 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)
- ⁵ May be satisfied by Social Science with * (see note 4)
- ⁶ Two courses with W suffix
- ⁷ Must take COSC 473 or complete 6 cr of COSC 493
- ⁸ Choose from COSC 216 (not count if CYBR minor) or 356, 220, 345, 355, 362, IFMG 455, Upper-Level Elective (note 9), or Intermediate Level Foreign Language
- ⁹ Choose from COSC 405, 410, 420, 424, 430, 460, 465, 493, (only 3 cr of first 6 cr)
- ¹¹ Minimum of 120 credits required to graduate

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 319 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		

Software Engineering Computer Science Track

Required Courses (6 cr)			
COSC 365 Web Arch & App Dev	3		
COSC 473 or 493 Practicum ⁷	3		
Controlled Electives (12 cr) ⁸			
Upper Level Electives (3 cr) ⁹			

Minor (12-18 cr)

- | | | |
|--|-------------------------------------|---|
| <input type="checkbox"/> Applied Stats | <input type="checkbox"/> Comm Media | <input type="checkbox"/> Cyber Security |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Economics | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Bus Admin. | <input type="checkbox"/> Geography | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Geology | <input type="checkbox"/> Psychology |

Electives (7-19 cr)			

Credit Summary (120 cr minimum)

Cr to Date	In Progress	Cr Planned	Total Cr ¹¹