

**Checklist for BA in Computer Science:**

- 150-151. Programming I and II (3,3) Fall, Spring. or 170.Introduction to Software Development. (5) Fall, Spring.
- 245. DATA STRUCTURES. (3) Fall, Spring.
- 250. INTERNET DEVELOPMENT I. (3) Fall, Spring.
- 268. COMPUTER ARCHITECTURE AND ASSEMBLER PROGRAMMING.(3) Fall, Spring.
- 301. SOFTWARE ENGINEERING. (3) Fall, Spring.
- 310. OPERATING SYSTEMS CONCEPTS. (3) Fall.
- 311. DATA COMMUNICATIONS AND NETWORKING. (3) Spring.
- 336. DATABASE CONCEPTS AND APPLICATIONS. (3) Spring.
- 345. OBJECT-ORIENTED PROGRAMMING. (3) Fall, Spring.
- 439. COMPUTING SEMINAR. (1) Fall, Spring.
- 440. CS SOFTWARE DEVELOPMENT PROJECT. (3) Spring.
- Math 151 or higher. (3) Fall, Spring, Summer.

**BA requires two of these elective Computing courses:**

- 328. NUMERICAL METHODS. (3) Spring, even years.
- 335. FILE STRUCTURES AND ACCESS METHODS. (3) Fall, odd years.
- 349. APPLIED ALGORITHMS.(3) Fall, odd years.
- 367. CO-OPERATIVE EDUCATION. (3) Arranged through Co-op Office.
- 425. PARALLEL PROGRAMMING. (3) Fall, even years.
- 430. ARTIFICIAL INTELLIGENCE. (3) Fall, even years.
- 431. INTERNET DEVELOPMENT II. (3) Spring.
- 445. GRAPHICAL USER INTERFACE PROGRAMMING. (3) Fall.
- 446. COMPUTER GRAPHICS. (3) Spring, odd years.
- 475. SELECTED TOPICS. (1-3) Offered on demand.
- Engr 220. CIRCUITS I. (4) Fall.
- Physics 350. MICROCOMPUTER INTERFACING. (3) Spring.

**A minor is required (Bible requires the Voc Min double major):** (Write in the course requirements for the minor you select)

- 
- 
- 
- 
- 
- 
- 

**Liberal Arts courses:**

- 8 credits of textual Bible (Bnew, Bold, Byfe 338) including some of both testaments
- Eng 111 or 113
- Eng 211
- Como 101
- Psy 201 or EdFd 203
- Econ 201, Pols 205 or Socs 203
- Kins 101
- Kins activity course
- Math 151 (Covered by BA math course requirement)
- Biol 111, 113 or any Biol course 111 or higher
- PhS 111, 112, 113, 115, 116, or any Physics or Chemistry
- Art 101, Mus 101 or Thea 101
- Eng 201 or 202
- Hist 101 or 102
- Hist 110 or 111
- 6 credits of Global Lit from Anth 250; Art 434; Biol 250 (cannot count for Biol if used here); Bmis 280, 387, or 388; Engr 330 & 331; Geog 302 or 303; Hist 209, 211, 213, or 215, Hnrs 204; Hum 201; Hum 273; IB 325; IB 345; Inst 310; Nurs 305 or 413; Nurs 344; Pols 202; Socs 301; Swk 360; Thea 306; any modern foreign language (not Latin, Hebrew, or Biblical Greek)
- Minimum of 45 upper level credits (250 and above)
- Minimum of 128 credits total needed for graduation