CSUCI COMPUTER SCIENCE B.S. DEGREE CHART

**Total units: 120. C- or better grade required in all pre-requisite courses in the major.**

**General Education and American Institutions**
40 units:
- General Education (28)
- American Institutions (6)
- Elective Courses (6)

**Recommended Interdisciplinary GE:**
- Outside the major
  - PHYS434 Biomedical Imaging (3) (GE: D)
  - MATH331 History of Mathematics (3) (GE: B3, D)

**Inside the major**
- COMP337 Perspective on Computer Games (3) (GE: B4)
- COMP437 Computer Game Design and Development (3) (GE: B4)
- COMP449 Human-Computer Interaction (3) (GE: B4, E)

**Laboratory Science**
11 units from either (a) or (b)

(a) PHYS200 General Physics I (4), PHYS201 General Physics II (4), and a course from GE section B-2.


**Electives**
12 units from:
- COMP345 Digital Image Analysis (3)
- COMP351 Distributed Computing (3)
- COMP420+L Databases (2+1)
- COMP421+L Unix for Programmers (2+1)
- COMP424 Computer System Security (3)
- COMP425 Computer Game Programming (3)
- COMP429+L Computer Networks (2+1)
- COMP445 Advanced Image Analysis and Pattern Recognition (3)
- COMP454 Advanced Object-Oriented Programming (3)
- COMP455 Computer Software Engineering (3)
- COMP464+L Comp. Graphics I (2+1)
- COMP465+L Comp. Graphics II (2+1)
- COMP467+L Introduction to Artificial Intelligence (2+1)
- COMP478+L Introduction to Data Mining (2+1)

**Senior Standing**
- COMP491 Capstone Project Preparation (1)
- COMP499 Capstone Project (3)

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