CSUCI COMPUTER SCIENCE B.S. DEGREE CHART

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

RECOMMENDED

COMP105 Introduction to Programming (3) (GE: B4, E)

COMP150 Object-Oriented Programming (4) (GE: B4, E)

MATH230 Logic and Math. Reasoning (3) (GE: A3, B4)

MATH150 Calculus I (4) (GE: B4)

MATH151 Calculus II (4)

MATH162+L Comp. Arch & Assembly (2+1)

COMP162+L Comp. Arch & Assembly (2+1)

COMP151+L Data Structures and Program Design (3+1)

COMP232+L Languages (2+1)

COMP262+L Org & Arch. (2+1)

COMP282+L Operating Systems (3+1)

MATH240 Linear Algebra (3)

MATH300 Discrete Math (3)

MATH354 Analysis of Algorithms (3)

COMP354 Analysis of Algorithms (3)

MATH352 Prob. & Stats (3)

MATH354 Automata, Languages (3)

COMP454 Automata, Languages (3)

LABORATORY SCIENCE

11 units from either (a) or (b)


Senior Standing

COMP491 Capstone Project Preparation (1)

COMP499 Capstone Project (3)

ELECTIVES

12 units from:

COMP345 Digital Image Analysis (3)
COMP347 Online Communication and Society (3)
COMP351 Distributed Computing (3)
COMP420+L Databases (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)
COMP451 Advanced Object-Oriented Programming (3)
COMP452 Computational Bioinformatics (3)
COMP462+L Embedded Systems (2+1)
COMP464+L Comp. Graphics I (2+1)
COMP469+L Artificial Intelligence (2+1)
COMP470+L Mobile Robotics (2+1)
COMP478+L Introduction to Data Mining (2+1)
COMP490 Special Topics (3)
COMP492 Internship (1-3)
COMP494 Independent Research (1-3)
COMP497 Directed Studies (3)
MATH 429 Operations Research (3)
MATH 448 Scientific Computing (3)

Last modified on 4/27/18 11:39 AM