CSUCI INFORMATION TECHNOLOGY B.S. DEGREE CHART

Total units: 120. C- or better grades are required for all courses in the major.

COMP105
Introduction to Programming (3)

MATH300 *or* MATH301
Discrete Math (3)

IT151+L
Data Structures for IT (2+1)

COMP162+L
Computer Architecture and Assembly Language (2+1)

IT221+L
Unix System Programming I (2+1)

MIS 310
Information Systems Management (3)

MGT 307
Management of Organizations (3)

IT420+L
Database Theory and Design (2+1)

IT424+L
Computer System Security (2+1)

IT421+L
Unix System Programming II (2+1)

IT429+L
Computer Networks (2+1)

Senior Standing

IT491
Capstone Project Preparation (1)

IT499
Capstone Project (3)

Statistics
3 units from:

MATH201 Elementary Statistics (3)
MATH202 Biostatistics (3)

GWAR
3 units from:
COMP447 Societal Issues in Computing (3)
COMP449 Human Computer Interaction (3)

Electives
15 units from:

IT380 Web Programming (3)
IT400 e-Commerce (3)
IT401 Web Intelligence (3)
IT402 Advanced Web Programming (3)
IT464+L Computer Graphics (2+1)
IT490 Special Topics for IT (3)
IT492 Internship (3)
IT494 Independent Research (1-3)
IT497 Directed Studies (3)

COMP345 Digital Image Analysis (3)
COMP350+L Introduction to Software Engineering (2+1)
COMP362+L Operating Systems (3+1)
COMP425 Computer Game Programming (3)

MGT 471 Project Management (3)

Technology Electives
9 units

For selection consult BSIT Program Advisor

General Education and American Institutions
45 units:

General Education (36)
American Institutions (6)
University Electives (3)

Laboratory Science
8 units from either Biology, or Chemistry, or Physics:

Biology:
BIOL200 Principles of Organismal and Population Biology (4)
and
BIOL201 Principles of Molecular and Cellular Biology (4)

or Chemistry:
CHEM121 General Chemistry I (4)
and
CHEM122 General Chemistry II (4)

or Physics:
PHYS100 Introduction to Physics (4)
and
PHYS101 Introduction to Physics II (4)

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