**GENERAL EDUCATION CORE**
For the list of approved General Education Core courses in Cultural Understanding, Arts & Humanities, and Social Sciences, please see:
http://uc.iupui.edu/UndergraduateEducation/GeneralEducationCurriculum/GeneralEducationCore.aspx

**Foundational Intellectual Skills**
Core Communication
____ ENG-W 131 or W140 Elementary Comp I* (3)
____ COMM-R 110 Speech (3)

Analytical Reasoning
____ MATH16500 Calculus I (4)
____ MATH16600 Calculus II (4)

Cultural Understanding
____ __________________________ (3)

**Intellectual Breadth and Adaptiveness**
Life and Physical Sciences
____ BIOL-K101 Concepts of Biology I (5)
____ BIOL-K103 Concepts of Biology II (5)

Arts, Humanities & Social Sciences—must choose 1-2 from Arts and Humanities list and 1-2 from Social Science list
____ PSY-B 110 Intro to Psychology (SS) (3)
____ SOC-R 100 Intro to Sociology (SS) (3)
____ ________________________ (AH) (3)

**BACCALAUREATE COMPETENCIES**
____ CSCI12000 Windows on Comp. Science** (1)
____ TCM32000 Written Communication in Science & Industry* (3)
____ MATH17100 Multidimensional Math (3)
____ STAT35000, 41600 or 51100 Statistics (3)
____ CHEM-C105 Principles of Chemistry I (3)
____ CHEM-C125 Experimental Chemistry I (2)
____ CHEM-C106 Principles of Chemistry II (3)
____ CHEM-C126 Experimental Chemistry II (2)
____ CHEM-C341 Organic Chemistry I (3)
____ CHEM-C343 Organic Chemistry I Lab (2)
____ CHEM-C342 Organic Chemistry II (3)
____ CHEM-C344 Organic Chemistry II Lab (2)
____ PHYS-P201 General Physics I (5)
____ PHYS-P202 General Physics II (5)

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**Minimum Grade=C-, Minimum 2.0 Average**

**Core Courses**
____ CSCI 23000/23050 Computing I SP, SU1, FA (4)
____ CSCI 24000/24050 Computing II [23000] SP, SU2, FA (4)
____ CSCI 34000/34050 Discrete Computational Structures [23000/23050; C: 24000/24050] SP, FA (3)

All courses above 36200/36250 require 23000, 24000 and 34000 or equivalent and course noted by [ ]. All courses are offered fall and spring unless noted (subject to change)

____ CSCI 36200 or 36250 Data Structures SP, FA (3)
____ CSCI 40200 Computer Architecture [34000/34050] SP, FA (3)
____ CSCI 40300 Operating Systems [40200] SP, FA (3)

____ Capstone Experience (Senior Year): (3)
Students may take the capstone research project course (CSCI 49500) or may complete capstone internship (CSCI 49600) per approval

**Computer Science and Supporting Course Electives**
Computer Science-Biocomputing majors take 6 major elective courses, up to three of which may be approved N-series CSCI courses.

____ ________________________ (3)
____ ________________________ (3)
____ ________________________ (3)
____ ________________________ (3)
____ ________________________ (3)
____ ________________________ (3)
____ ________________________ (3)
____ BIOL-K 384 or CHEM-C 384 Biochemistry (3)

Total______

Total of 120 credits required for degree completion.
May Take Up to 3 Courses From List:

CSCI-N Series*
CSCI-300 Systems Programming
CSCI-355 Intro to Programming Languages
CSCI-N300 Mobile Computing Fundamentals
CSCI-N305 C Language Programming
CSCI-N311 Advanced Database Programming, Oracle
CSCI-N317 Comp. for Scientific Applications
CSCI-N321 System and Network Administration
CSCI-N335 Advanced Programming, Visual Basic
CSCI-N341 Client Side Web Programming
CSCI-N342 Server Side Web Development
CSCI-N343 Object-Oriented Programming for the Web
CSCI-N345 Advanced Programming, Java
CSCI-N351 Intro to Multimedia Programming
CSCI-N355 Intro to Virtual Reality
CSCI-N361 Software Project Management
CSCI-N410 Mobile Computing Application Development
CSCI-N420 Mobile Computing Cross Platform Development
CSCI-N430 Mobile Computing and Interactive Applications
CSCI-N431 E-Commerce with ASP.NET
CSCI-N435 Data Management Best Practices with ADO.NET
CSCI-N443 XML Programming
CSCI-N450 Mobile Computing with Web Services
CSCI-N461 Software Engineering for Applied Computer Science
CSCI-N499 Topics in Applied Computing (topic varies)

*Please note that the courses above may require pre-requisites. Be sure to plan accordingly.