Computer Science– Purdue Bachelor of Science  
(Biocomputing concentration)

Required: CSCI 12000 Windows on Computer Science. With permission another First Year Seminar may be substituted. 1 cr. ___

AREA I COMMUNICATION – 9 credit hours
A. English Composition – 6 credit hours
(Grade of a C or better in each course is required.)

ENG-W131 (ENG-W140) English Composition I 3 cr. ___

Second composition course
TCM 32000 Written Communication in Science and Industry 3 cr. ___

B. Speech Communication – 3 credit hours
COMM-R110 Speech Communication 3 cr. ___

AREA II FOREIGN LANGUAGE
No foreign language proficiency is required for the B.S. degree.

AREA III GENERAL EDUCATION REQUIREMENTS
A. Humanities, Social Sciences, & Comparative World Cultures – 12 credit hours

HIST-H114 Western Civilization II 3 cr. ___

One course each from List H, S and C.
See School of Science Course List under checksheets.

List H: ____________________________________________ 3 cr. ___
List S: ____________________________________________ 3 cr. ___
List C: ____________________________________________ 3 cr. ___

B. Junior/Senior Integrator – Requirement suspended.

C. Physical and Biological Sciences – 40 credit hours
(A single grade of D or D+ will be accepted in one of these courses. Otherwise, all courses must be a C- or higher.)

BIOL-K101 Concepts of Biology I 5 cr. ___
BIOL-K103 Concepts of Biology II 5 cr. ___
CHEM-C105 Principles of Chemistry I 3 cr. ___
CHEM-C125 Experimental Chemistry I 2 cr. ___
CHEM-C106 Principles of Chemistry II 3 cr. ___
CHEM-C126 Experimental Chemistry II 2 cr. ___
CHEM-C341 Organic Chemistry I 3 cr. ___
CHEM-C343 Organic Chemistry Laboratory I 2 cr. ___
CHEM-C342 Organic Chemistry II 3 cr. ___
CHEM-C344 Organic Chemistry Laboratory II 2 cr. ___
PHYS-P201 General Physics I 5 cr. ___
PHYS-P202 General Physics II 5 cr. ___

D. Mathematical Sciences – 5 courses, 17 credit hours
(A single grade of D or D+ will be accepted in one of these courses. Otherwise, all courses must be a C- or higher.)

MATH 16500 Analytic Geometry and Calculus I 4 cr. ___
MATH 16600 Analytic Geometry and Calculus II 4 cr. ___
MATH 17100 Multidimensional Mathematics 3 cr. ___

One Statistics course chosen from the following: 3 cr. ___
STAT 35000 Introduction to Statistics or STAT 41600 Probability or STAT 51100 Statistical Methods I

AREA IV MAJOR CORE – 56 credit hours
(No grade below C- will be accepted in any of these courses.)

CSCI 23000 Computing I 4 cr. ___
CSCI 24000 Computing II 4 cr. ___
CSCI 34000 Discrete Computational Structure 3 cr. ___
CSCI 36200 Data Structures 3 cr. ___
CSCI 40200 Architecture of Computers 3 cr. ___
CSCI 40300 Introduction to Operating Systems 3 cr. ___
CSCI 49500 Explorations in Applied Computing 3 cr. ___
(meets capstone requirement)

NOTE: An additional 27 credit hours of upper-level CSCI courses and 6 credit hours of supporting electives are required to fulfill AREA IV requirements. See an academic advisor for a list of available courses. CSCI courses below CSCI 23000 or CSCI-N305 will NOT count toward the degree.

GENERAL INFORMATION
A. A minimum of 124 credit hours must be completed for graduation. This total must include residence of at least two semesters at IUPUI and completion of at least 32 credit hours at the 300-level or above taken at IUPUI.
B. Courses taken outside the Schools of Science and Liberal Arts must receive departmental approval. No more than 6 credit hours of athletic, studio, clinical, performing arts course work will count towards the degree. See Departmental Advisor.
C. Independent study (correspondence) courses may be taken for general electives up to a maximum of 12 credit hours with approval from the School of Science.
D. Courses taken on the pass/fail option will only count as general electives and not towards any degree requirements of the School or Program.
E. Capstone Experience Course: Required of all majors, the capstone is an independent, creative effort of the student that is integrative and builds on the student’s previous work in the major (research, independent study/project, practicum, seminar, or field experience). See departmental sections of the bulletin for specific information about the capstone and independent research courses.
F. The following courses do not count toward any degree program in the School of Science: all agriculture courses, BIOL-N120, BUS-K201, BUS-K204, all COAS courses, CSCI-N1## level courses, CPT 10600, CIT 10600, EDUC-U205, EDUC-X100, EDUC-X150, EDUC-X151, EDUC-X152, ENG-W001, ENG-W130, MATH-M010, MATH-M020, MATH-M001, MATH 00100, MATH 00200, MATH 11000, MATH 11100, MATH 12300, MATH 13000, MATH 13100, MATH 13600, PHYS 01000, UCOL-U112, all remedial or developmental courses. Topics or variable credit courses (i.e. BIOL-N222) must receive approval.

All students are advised by full-time faculty. Students in their first year should see Mr. Andy Harris. Call 274-9727 to schedule an appointment.

NOTES: ____________________________________________