PURDUE UNIVERSITY

Computer Science Honors
College of Science

Code - BS
Code – CSHO
120 cr for graduation
"C" or better in all major courses

Computer Science Honors Major Courses (at least 59 credits)

Required CS Honors Major Math Courses (7-8 credits) **(must have C or better to meet prerequisite for certain upper level CS courses)**

_____ (4-5) MA 26100 or MA 27101
_____ (3) MA 35100

Required CS Major Core Courses (21 credits) **(must have C or better in all courses)**

_____ (4) CS 18000 Problem Solving & Object Oriented Programming (satisfies CoS computing requirement)
_____ (3) CS 18200 Foundations of Computer Science
_____ (3) CS 24000 Programming in C
_____ (4) CS 25000 Computer Architecture
_____ (3) CS 25100 Data Structures & Algorithms
_____ (4) CS 25200 Systems Programming

Required CS Major Track Selectives – (18-21 credits) **(must have C or better in all courses)** *select from list* LINK

_____ (3) CS Track Required course
_____ (3) CS Track Required Course
_____ (3) CS Track Required/Elective course
_____ (3) CS Track Required/Elective course
_____ (3) CS Track Elective course
_____ (3) CS Track Elective course
_____ (3) CS Track Elective course *(if Computational Science & Engineering track or Database & Information Systems track)*

Required CS Honors – (13 credits) *select from list* (need CS GPA of 3.60 or better & cumGPA of 3.25 and **must have a C or better in all**) LINK

_____ (3) MA course >MA 35100
_____ (4) ECE 27000
_____ (0) CS 39700
_____ (3) CS 49700 (may use for Track Elective – see Track chairperson for approval)
_____ (3) CS 500 level course (may use for Track Elective – see Track chairperson for approval)

Other Departmental/Program Course Requirements (44-62 credits)

_____ (3-4) ENGL 10600 or ENGL 10800 - ***(satisfies Written Communication and Information Literacy)***
_____ (0-3) Technical Writing & Presentation – ***(may satisfy Oral Communication)*** *select from list* LINK
_____ (0-3) Technical Presentation - ***(may satisfy Oral Communication)*** *select from list* LINK
_____ (3-4) Language I – *select from three options; select from list* LINK
_____ (3-4) Language II – *select from three options; select from list* LINK
_____ (3-4) Language and Culture III – ***(may satisfy Human Cultures Humanities)*** *select from three options; select from list* LINK
_____ (3) General Education I – ***(may satisfy Human Culture Humanities and Behavioral/Social Science)*** *select from list* LINK
_____ (3) General Education II – ***(may satisfy Human Culture Humanities and Behavioral/Social Science)*** *select from list* LINK
_____ (3) General Education III – *select from list* LINK
_____ (3) Great Issues –*select from list* LINK
_____ (0-3) Multidisciplinary – *select from list* LINK
_____ (0-4) Teambuilding and Collaboration Experience – *select from list* LINK
_____ (3-4) Lab Science I selective – ***(satisfies Science)*** *select from list* LINK
_____ (3-4) Lab Science II selective – ***(may satisfy Science)*** *select from list* LINK
_____ (4-5) MA 16100 or MA 16500 ***(satisfies Quantitative Reasoning)*** **(must have C or better *to meet prerequisite for CS 182*)**
_____ (4-5) MA 16200 or MA 16600 ***(satisfies Quantitative Reasoning)***
_____ (3) STAT 35000 or STAT 51100

Electives (0-17 credits)

____ ( )_____	____ ( ) _____	____ ( ) _____	____ ( ) _____
____ ( )_____	____ ( ) _____	____ ( ) _____	____ ( ) _____
____ ( )_____	____ ( ) _____	____ ( ) _____	____ ( ) _____

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University Core Requirements LINK

Human Cultures Humanities	☐_____	*Science, Technology & Society Selective*	☐_____
Human Cultures Behavioral/Social Science	☐_____	*Written Communication*	☐_____
Information Literacy	☐_____	*Oral Communication*	☐_____
Science Selective	☐_____	*Quantitative Reasoning*	☐_____
Science Selective	☐_____		

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The student is ultimately responsible for knowing and completing all degree requirements.
MyPurdue Plan is knowledge source for specific requirements and completion.

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Computer Science Honors

http://www.cs.purdue.edu/academic_programs/undergraduate/curriculum/bachelor/index.sxhtml

Suggested Arrangement of Courses:

Credits	**Fall 1st Year**	**Prerequisite**	Credits	**Spring 1st Year**	**Prerequisite**
4	CS 18000 ***	Co-req Calc I	3	CS 18200 ***	CS 18000 & Calc I
1	CS 19100 (Free elective)	Co-rec CS 18000	3	CS 24000 ***	CS 18000 & Co-req CS 18200
4-5	Calculus I	ALEKS score 85+	4-5	Calculus II	Calc I
3-4	ENGL 10600/ENGL 10800		3-4	Language 10100	
1	CS 19000 Tools (Free elective)		3	COM 21700	
2	Free elective		1	CS 197 Freshman Honor's Seminar (Free elective	
15-17			15-17		

Credits	**Fall 2nd Year**	**Prerequisite**	Credits	**Spring 2nd Year**	**Prerequisite**
4	CS 25000 ***	CS 18200 & CS 24000	4	CS 25200 ***	CS 25000 & Co-req CS 25100
3	CS 25100 ***	CS 24000	3	Linear Algebra	Calc II
4-5	Calculus III	Calc II	3	Language 20100/Culture or Diversity course	Lang 10200
3-4	Language 10200	Lang 10100	1	Free elective/minor	
1	CS 29100 (Free elective)		4	ECE 27000	check mypurdue
15-17			15		

Credits	**Fall 3rd Year**	**Prerequisite**	Credits	**Spring 3rd Year**	**Prerequisite**
3	CS track requirement ***	check mypurdue	3	CS track requirement ***	check mypurdue
3	CS track requirement ***	check mypurdue	3	CS track elective ***	check mypurdue
3	STAT 35000/STAT 51100	Calc II	3	Great Issues	check mypurdue
0	CS 39700 (Free elective)		3	General Education II	
3	General Education I		3	MA >35100	check mypurdue
3	Free elective/minor				
15			15		

Credits	**Fall 4th Year**	**Prerequisite**	Credits	**Spring 4th Year**	**Prerequisite**
3	CS track elective ***	check mypurdue	3	CS track elective ***	check mypurdue
3-4	Lab Science I	check mypurdue	3-4	Lab Science II	Lab I & check mypurdue
3	Multidisciplinary	check mypurdue	3	Free elective/minor	
3	General Education III		3	CS 50000 level	check mypurdue
3	CS 49700		3	Free elective	
15-16			15-16		

120 semester credits required for Bachelor of Science degree.
2.0 Major and Graduation GPA required for Bachelor of Science degree.

*****All CS core courses and all track requirements, regardless of department, must be completed with a grade of "C" or higher (effective fall 2011).** **All prerequisites to CS core courses and track requirements, regardless of department, must be completed with a grade of C or higher (effective Fall 2015).**

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