PURDUE
UNIVERSITY

Computer Science (CS 17700)
College of Science

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

Computer Science Major Courses (at least 46 credits)
Required CS Major Math Courses (7-8 credits)
_____ (4-5) MA 26100 or MA 17400 or MA 18200 or MA 27100
_____ (3) MA 26500 or MA 35100

Required CS Major Core Courses (21 credits)
_____ (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) *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)*

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 – *(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 – *(may satisfy Science, Technology & Society) 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)*
_____ (4-5) MA 16200 or MA 16600 or MA 17300 or MA 18100 *(satisfies Quantitative Reasoning)*
_____ (3) STAT 35000 or STAT 51100

Electives (8-30 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

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4	CS 17700 *** (free elective)		4	CS 18000 ***	Co-req Calc I
1	CS 19100 (Free elective)	Co-rec CS 17700	4-5	Calculus I	ALEKS score of 85+
3	Pre-Calculus I (no credit)	ALEKS score 60-84	3-4	Language 10100	
3-4	ENGL 10600/ENGL 10800		3	COM 21700	
1	CS 19000 Tools (Free elective)		2	Free elective/minor	
2	Free Elective				
14-15			16-17		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	CS 18200 ***	CS 18000 & Calc I	4	CS 25000 ***	CS 25000
3	CS 24000 ***	CS 18000 & Co-req CS 18200	3	CS 25100 ***	CS 24000
4-5	Calculus II	Calc I	3	Calc III	Calc II
3-4	Language 10200	Lang 10100	3	Language 201 or Culture or Diversity course	Lang 10200
1	CS 29100 (Free elective)		3	Free elective/minor	
14-16			16		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
4	CS 25200 ***	CS 25000 & Co-req CS 25100	3	CS track requirement ***	check mypurdue
3	CS track requirement ***	check mypurdue	3	CS track elective ***	check mypurdue
3	Linear Algebra	Calc II	3	Great Issues	check mypurdue
1	CS 39100 (Free elective)		3	General Education II	
3	General Education I		3	Stat 350/Stat 51100	Calc II
3	Free elective/minor				
17			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	CS track elective ***	check mypurdue
3	Multidisciplinary	check mypurdue	3-4	Lab Science II	Lab science I & check mypurdue
3	General Education III		3	Free elective/minor	
3	Free elective/minor		1	Free elective/minor	
15-16			13-14		

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).

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