

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 (44-59 credits)

- _____ (3-4) ENGL 10600 or ENGL 10800 - (satisfies Written Communication and Information Literacy)
- _____ (3) Technical Writing & 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 (11-30 credits)

- | | | | |
|-----------------|-----------------|-----------------|-----------------|
| _____ () _____ | _____ () _____ | _____ () _____ | _____ () _____ |
| _____ () _____ | _____ () _____ | _____ () _____ | _____ () _____ |
| _____ () _____ | _____ () _____ | _____ () _____ | _____ () _____ |

University Core Requirements [LINK](#)

- | | | | |
|--|--------------------------------|---|--------------------------------|
| Human Cultures Humanities | <input type="checkbox"/> _____ | Science, Technology & Society Selective | <input type="checkbox"/> _____ |
| Human Cultures Behavioral/Social Science | <input type="checkbox"/> _____ | Written Communication | <input type="checkbox"/> _____ |
| Information Literacy | <input type="checkbox"/> _____ | Oral Communication | <input type="checkbox"/> _____ |
| Science Selective | <input type="checkbox"/> _____ | Quantitative Reasoning | <input type="checkbox"/> _____ |
| Science Selective | <input type="checkbox"/> _____ | | |

The student is ultimately responsible for knowing and completing all degree requirements.

MyPurdue Plan is knowledge source for specific requirements and completion.

Computer Science

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 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 75+
3	Pre-Calculus I (no credit)	ALEKS score 50-74	3-4	Language 10100	
3-4	ENGL 10600/ENGL 10800		3	COM 21700	
1	CS 19200 (Free elective)		1	Free elective/minor	
1	Free Elective				
13-14			15-17		

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		3	Free elective/minor	
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).**

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