

**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)**

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

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**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"/> | _____ |   |                          |       |

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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

[http://www.cs.purdue.edu/academic\\_programs/undergraduate/curriculum/bachelor/index.sxhtml](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 75+	4-5	Calculus II	Calc I
3-4	ENGL 10600/ENGL 10800		3-4	Language 10100	
1	CS 19200 (Free elective)		3	COM 21700	
2	Free elective/minor				
15-17			16-18		

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	3	Free elective/minor	
1	CS 29100 (Free elective)		3	Free elective/minor	
15-17			16		

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 350/STAT 51100	Calc II	3	Great Issues	check mypurdue
1	CS 39100 (Free elective)		3	General Education II	
3	General Education I		3	Free elective/minor	
3	Free elective/minor				
16			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	Free elective/minor	
3	Free elective/minor				
15-16			12-13		

**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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