

Department of Computer Science  
Computer Science Program  
<http://pdx.edu/computer-science/programs>  
Possible 4 Year Course Plan

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR					
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING			
<b>Non-CS Course Requirements</b>														
CALCULUS			PUBLIC			TECH			E					
MTH			SPKG			WRITE			E					
251			COMM			WR			MATH					
252			220*			227			ELEC					
253 OR			A			A			MATH					
261			A			A			ELEC					
			APPROVED SCIENCE w/LAB						B					
			LAB						LAB					
			LAB						LAB					
			LAB						LAB			ELEC		
<b>Engineering / Computer Science Requirements</b>														
INTRO			COMP			SOFT			DATA					
TO CS			SYS			ENGR			BASE					
CS 162			PROG			LANG			C					
CS 163			SYS			CS320			CS UD					
CS 202			I			ELEC*			ELEC					
CS 201			II			CS 300			CS 486					
CS 250			CS 251			CS 311			C					
						ALGOR			C					
						COMP			CS UD					
						INTRO			C					
						OP SYS			CS					
						CS 333			E					
						ETHICS			E					
						CS 305			E					
						CS 305			E					
						UD			E					
						ELEC			E					
<b>General Education Requirements</b>														
D														
FREE ELEC														
D														
FREE ELEC														
D														
FREE ELEC														
FRESHMAN INQUIRY			SOPHOMORE INQUIRY											
UNST			UNST									UNST		
1X1			2XX			UP DIV								
1X2			2XX			CLUST								
1X3			2XX			CLUST								
UNST			UNST			CLUST								
UNST			UNST			CLUST			D					
1X1			2XX			CLUST			FREE					
1X2			2XX			CLUST			ELEC					
1X3			2XX			CLUST			ELEC					

EXPLANATION

CREDIT HOURS

CS 469 & CS 470 FULFILL UNST CAPSTONE

2016-2017

- 1 A - APPROVED LAB SCIENCE
- 2 B - APPROVED SCIENCE ELECTIVE
- 3 C - CS ELECTIVE\*
- 4 D - FREE ELECTIVE
- E - APPROVED MATH ELECTIVE

- \* Programming intensive CS elective
- \*Comm 220 waived for students who take freshman inquiry

SHADED AREA= CORE ADMISSION REQUIREMENTS



# Computer Science

## University General Education Requirements

- A. Freshmen entering with 29 or fewer prior university/college credits must complete all University Studies requirements, including freshman and sophomore inquiry sequences and upper division cluster courses.
- B. Continuing and transfer students with 30-59 prior university/college credits must complete the following program:
  - ┆ University Studies beginning with Sophomore Inquiry
- C. Continuing and transfer students with 60-89 prior university/college credits must complete the following program:
  - ┆ Sophomore Inquiry: 60-74 credits, two courses; 75-89 credits, one course
  - The upper division cluster must be linked with one of these Sophomore Inquiry courses.
- D. Continuing and transfer students with 90 or more prior university/college credits must complete the following program:
  - ┆ University Studies requirements beginning with upper division cluster courses. It is strongly recommended that students also take the single Sophomore Inquiry course that is linked to the chosen upper division cluster.
- E. Transfer students must have a minimum of 39 credits of University Studies courses and/or arts and letters/social science courses at their previous college(s) or at PSU prior to graduation; 12 of these credits are upper division cluster courses that must be taken at PSU. **Students should consult with an adviser for more information.**

## Computer Science Department Requirements

- a) Transfer students who have not taken Freshman Inquiry must have completed Comm 220 and Wr 121 as part of the 39 credits of arts and letters/social sciences.
- b) Approved Lab Science: One of the following 15 credit *sequences*, including their associated laboratories: Ph 211, 212, 213 with 214, 215, 216 (General Physics w/Calculus and Lab); Ch 221, 222, 223 with Ch 227, 228, 229 (General Chemistry and Lab); or Bi 211, 212, 213 (Principles of Biology with integrated Lab).
- c) Approved Science Electives: Four credits chosen from Biology, Chemistry, Physics, Geology, or Environmental Science. *At least 19 Approved Lab Science/ Approved Science Electives credits must be taken.*
- d) Approved Upper-Division CS Electives: 20 credits of any regular upper-division computer science course or ECE 455, 456, 485, 486. One of these electives must be a programming intensive course. No more than 4 credits from CS 399, 401, 405, 406, 407, and 409. CS 404 and courses specifically described as not being applicable to the CS degree may not be used. *44 of the required 52 upper division CS credits must be taken at PSU after admission to the CS Upper Division Program.*
- e) Approved Math Electives: Seven credits, selected from Mth261 or MTH253, Mth343, Mth344, Mth346, Mth356, Mth457, Mth458, Mth461, Mth462, Stat366, Stat 451, Stat452, Stat467 and Stat468. Other upper-division mathematics courses may be used to satisfy the requirement with prior written adviser approval.

**Students should consult with an adviser for more information.**

