

# Advanced Placement Guide for CS Majors



Field	AP Exam	Score	Course(s)	Semester Units	Most Common Worksheet Placement (*)	Note on Worksheet
Calculus	AB	4, 5	Project-Based Calculus I (MATH 181)	4	Mathematical 7a	
	BC	3	Project-Based Calculus I (MATH 181)	4	Mathematical 7a	
		4, 5	Project-Based Calculus I (MATH 181) <i>and</i> Project-Based Calculus II (MATH 182)	8	Mathematical 7a <i>and</i> 7b	
Statistics		3, 4, 5	Intro to Statistics (STAT 145)	3	Gen Ed Elective <i>or</i> Free Elective	
Physics (College) – prior to 2015	B	4, 5	College Physics I (PHYS 111) <i>and</i> College Physics II (PHYS 112)	8	Science Electives 1 <i>and</i> 2	1
Physics (College) – as of 2015	1	4, 5	College Physics I (PHYS 111)	4	Science Electives 1 <i>or</i> 2	2
	2	4, 5	College Physics II (PHYS 112)	4	Science Electives 1 <i>or</i> 2	2
Physics (University)	C-Mech	4, 5	University Physics I: AP-C Mechanics (PHYS 206)	3	Science Elective	3 or 5
Physics (University)	C-E&M	4, 5	University Physics II: AP-C Electricity & Magnetism (PHYS 208)	3	Science Elective	4 or 5
Biology		4, 5	General Biology I (BIOL 101) General Biology I Lab (BIOL 103) <i>and</i> General Biology II (BIOL 102) General Biology II Lab (BIOL 104)	8	Lab Science 1 <i>and</i> 2	
Chemistry		4, 5	General & Analytical Chemistry I (CHMG 141) <i>and</i> General & Analytical Chemistry I Lab (CHMG-145)	4	Lab Science 1	6
Environmental Science		4, 5	Concepts of Environmental Science (ENVS 101)	3	Science Elective	
Computer Science	A	4, 5	General Education Elective (CSCI 105) (may also be used as a Free Elective)	4	Computer Science I	
Computer Science	P	4, 5	General Education Elective (CSCI 101) (may also be used as a Free Elective)	3	Gen Ed Elective <i>or</i> Free Elective	

\*There can be other options for placing AP credit. For example, chemistry credit may be used instead to satisfy the scientific principles perspective or as a science, gen ed, or free elective. Students can discuss specific possibilities with their academic advisor.

Notes on Undergraduate Computer Science Worksheet:

1. If student elects to complete University Physics for their lab science sequence they forfeit 8cr. of AP Physics B, College Physics
2. If student elects to complete University Physics for their lab science sequence they forfeit either 4 cr. of AP Physics 1, or 4 cr. of AP Physics 2, or 8cr. of AP Physics 1 and 2, College Physics
3. If student elects to complete the University Physics lab science sequence they can move PHYS 206 (AP Physics C-Mech) to Lab Science and must complete PHYS 207 (1 unit) and PHYS 212 (4 units) to fulfill sequence
4. If student elects to complete the University Physics lab science sequence they can move PHYS 208 (AP Physics C-E&M to Lab Science and must complete PHYS 209 (1 unit) and PHYS 211 (4 units) to fulfill sequence
5. If student elects to complete the University Physics lab science sequence they can move PHYS 206 and PHYS 208 to Lab Science and must complete PHYS 207 (1 unit) and PHYS 209 (1 unit) to fulfill sequence
6. Student must complete CHMG 142/146 to fulfill Chemistry Lab Science sequence or can move CHMG 141/145 to science electives and complete the lab science sequence in General Biology or University Physics

\*Student who completed AP Chemistry AND AP College Physics (Physics B or Physics 1 or Physics 2) need note #6 (with University Physics crossed out) AND Note #1