

**Spokane Community College - University of Idaho
Curriculum Plan
Physics (B.S.)**

Successful completion of the requirements in 2009-10 Catalog year articulation agreement will lead to an Associate of Science Transfer for Physics from Spokane Community College, and a B.S. in Physics from the University of Idaho.

Freshman Year at Spokane Community College														
Fall Quarter			SCC Credit	UI Equivalent Course	Winter Quarter			SCC Credit	UI Equivalent Course	Spring Quarter			SCC Credit	UI Equivalent Course
ENGL&	101	English Composition I	5	ENGL 101	MATH&	142	Pre-Calculus II	5	MATH 144	CHEM&	163	General Chemistry w/Lab III	5	CHEM 000
MATH&	141	Pre-Calculus I	5	MATH 143			Social Science Elective	5				Humanities Elective	5	
CHEM&	161	General Chemistry w/Lab I	5	CHEM 111	CHEM&	162	General Chemistry w/Lab II	5	CHEM 112			Social Science/Humanities Elec	5	
							General Education Elective	3				General Education Elective	3	
Total			15		Total			18		Total			18	

Sophomore Year at Spokane Community College														
Fall Quarter			SCC Credit	UI Equivalent Course	Winter Quarter			SCC Credit	UI Equivalent Course	Spring Quarter			SCC Credit	UI Equivalent Course
MATH&	151	Calculus I	5	MATH 000	MATH&	152	Calculus II	5	MATH 170	PHYS	203	Engineering Physics III	5	PHYS 213
CS&	141	Computer Science I Java	5	CS 000	PHYS	202	Engineering Physics II	5	PHYS 212	MATH&	153	Calculus and Analytic Geometry	5	MATH 175
PHYS	201	Engineering Physics I	5	PHYS 211			General Education Elective	5				General Education Elective	5	
Total			15		Total			15		Total			15	

Junior Year at University of Idaho							
Fall Semester			Credit	Spring Semester			Credit
PHYS	321	Analytical Mechanics	3	PHYS	305	Modern Physics	3
PHYS	200	Physics Seminar	1			Advisor Approved Elective	3
PHYS	341	Electromagnetic Fields I	3	PHYS	342	Electromagnetic Fields II	3
PHYS	371	Mathematical Physics	3			Advisor Approved Elective	3
		Advisor Approved Elective	3			Advisor Approved Elective	3
		Advisor Approved Elective	3			Advisor Approved Elective	3
Total			16	Total			18

SCC does not offer PHYS 201, 202, 203
Students will take those courses at SFCC
approved by Jim Minkler 10/13/09

Senior Year at University of Idaho							
Fall Semester			Credit	Spring Semester			Credit
PHYS	433	Thermal and Statistical Physics	3	PHYS	351	Introductory Quantum Mechanics	3
		Advisor Approved Elective	3			Advisor Approved Elective	3
		Advisor Approved Elective	3			Advisor Approved Elective	3
		Advisor Approved Elective	3			Advisor Approved Elective	3
		Advisor Approved Elective	3			Advisor Approved Elective	3
Total			15	Total			15

64

128

Notes:

The physics program at UI introduces students in technical and non-technical curricula alike to the scientific method and to physical laws. The B.A. and B.S. curricula in physics emphasize a broad liberal-arts education and the core subjects in physics. Many B.A. and B.S. recipients go on to graduate study in physics or related disciplines.