University of Idaho
B.S. Physics - Applied Physics Emphasis
(starting in an odd-numbered year)

First Year - Fall Semester

		Course	Credit
ENGL	101	Writing and Rhetoric I	3
MATH	143	College Algebra	3
MATH	144	Analytic Trigonometry	1
PHYS	200	Physics Seminar	1
		Oral Communication Elective	2
		Humanties Elective	2
		Humanties Elective	3
		Total Credits	**15**

First Year - Spring Semester

		Course	Credit
CS	120	Computer Science I	4
ENGL	102	Writing and Retoric II	3
MATH	170	Calculus I	4
PHYS	211	Engineering Physics I	3
PHYS	211L	Engineering Physics I Lab	1
		Total Credits	**15**

Second Year - Fall Semester

		Course	Credit
CHEM	111	General Chemistry I	3
CHEM	111L	General Chemistry I Lab	1
MATH	175	Calculus II	4
PHYS	212	Engineering Physics II	3
PHYS	212L	Engineering Physics II Lab	1
		Social Science Elective	3
		Total Credits	**15**

Second Year - Spring Semester

		Course	Credit
CHEM	112	General Chemistry II	3
CHEM	112L	General Chemistry II Lab	2
MATH	275	Calculus III	3
PHYS	213	Engineering Physics III	3
		American Diversity Course	3
		Social Science Elective	1
		Total Credits	**15**

Third Year - Fall Semester

		Course	Credit
MATH	310	Ordinary Differential Equations	3
PHYS	305	Modern Physics	3
PHYS	341	Electromagnetic Fields	3
		ENGINEERING/PHYS Elective	3
		Social Science Elective	3
		Total Credits	**15**

Third Year - Spring Semester

		Course	Credit
MATH	330	Linear Algebra	3
PHYS	411	Advanced Physics Lab	4
		ENGINEERING/PHYS Elective	3
		ENGINEERING/PHYS Elective	3
		International Course	3
		Total Credits	**16**

Fourth Year - Fall Semester

		Course	Credit
PHYS	321	Analytical Mechanics	3
		ENGINEERING/PHYS Elective	3
PHYS	400	Seminar	1
PHYS	490	Research	2
		ENGINEERING/PHYS Elective	3
		ENGINEERING/PHYS Elective	3
		Total Credits	**15**

Fourth Year - Spring Semester

		Course	Credit
PHYS	351	Introductory Quantum Mechanics	3
PHYS	400	Seminar	1
PHYS	490	Research	1
PHYS	492	Senior Research	1
		ENGINEERING/PHYS Elective	3
		ENGINEERING/PHYS Elective	3
		ENGINEERING/PHYS Elective	3
		Total Credits	**15**

(Updated 1/26/2023)