MAJOR IN HEALTH PHYSICS

To prepare for first semester: The curriculum for the Health Physics major assumes students enter college prepared to take calculus. Entering students who are not prepared to take calculus will need to fulfill pre-calculus requirements in the first semester.

Major Completion Map

Distinctive Requirements for Degree Program:

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
BZ 101	Humans and Other Animals (GT-SC2)	X		3A	3
CHEM 107	Fundamentals of Chemistry (GT-SC2)	X		3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	X		3A	1
MATH 160	Calculus for Physical Scientists I (GT-MA1)	X		1B	4
Social and Behavioral Sciences (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)			X	3C	3
	Total Credits				**15**
Semester 2		**Critical**	**Recommended**	**AUCC**	**Credits**
CO 150	College Composition (GT-CO2)	X		1A	3
MATH 161	Calculus for Physical Scientists II (GT-MA1)	X		1B	4
Electives					4
1C (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#aucc)		X		1C	3
	Total Credits				**14**

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
PH 121	General Physics I (GT-SC1)	X		3A	5
PHIL 110	Logic and Critical Thinking (GT-AH3)	X		3B	3
Electives			X		4
	Total Credits				**12**
Semester 4		**Critical**	**Recommended**	**AUCC**	**Credits**
PH 122	General Physics II (GT-SC1)	X		3A	5
Electives			X		3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
	Total Credits				**14**

Junior

Semester 5		Critical	Recommended	AUCC	Credits
BMS 300	Principles of Human Physiology	X			4
ERHS 310	Basic Radiological Physics and Dosimetry I	X			3
STAT 301	Introduction to Applied Statistical Methods	X			3
Program Electives (see list on Program Requirements tab)		X			6
	Total Credits				**16**
Semester 6		**Critical**	**Recommended**	**AUCC**	**Credits**
CO 300 or 301B	Writing Arguments (GT-CO3) Writing in the Disciplines: Sciences (GT-CO3)	X		2	3
ERHS 312	Basic Radiological Physics and Dosimetry II	X		4A	3
ERHS 450	Introduction to Radiation Biology	X			3
Program Electives (see list on Program Requirements tab)		X			9
	Total Credits				**18**

Senior

Semester 7		Critical	Recommended	AUCC	Credits
ERHS 311	Basic Nuclear Measurements and Instruments	X			1

Electives			X		14
	Total Credits				**15**
Semester 8		**Critical**	**Recommended**	**AUCC**	**Credits**
ERHS 400	Radiation Safety	X			3
ERHS 461	Introduction to Radiation Public Health	X		4B	3
ERHS 488	Internship--Health Physics	X		4C	7-10
Electives		X			0-3
The benchmark courses for the 8th semester are the remaining courses in the entire program of study.		X			
	Total Credits				**16**
	Program Total Credits:				**120**