

# MAJOR IN HEALTH PHYSICS

## Major Completion Map

### Distinctive Requirements for Degree Program:

**To prepare for first semester:** The curriculum for the Computer Science 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.

#### 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 ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences</a> )			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
Diversity, Equity, and Inclusion ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion</a> )		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 ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities</a> )			X	3B	3
Historical Perspectives ( <a href="http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives">http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives</a> )			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)	X		2	3
	Writing in the Disciplines: Sciences (GT-CO3)				
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
<b>Total Credits</b>					<b>15</b>
<b>Semester 8</b>		<b>Critical</b>	<b>Recommended</b>	<b>AUCC</b>	<b>Credits</b>
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.					
<b>Total Credits</b>					<b>16</b>
<b>Program Total Credits:</b>					<b>120</b>