## **ACCELERATED PLAN**

PHY 799 Master's Thesis

**TERM SUBTOTAL:** 

2

10

PHY 799 Master's Thesis

**TERM SUBTOTAL:** 

4

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## **Bachelor of Science in Biomedical Physics (BS)** to Master of Science in Medical Physics (MS)

FALL COURSES	CREDITS	SPRING COURSES	CREDITS	SUMMI COURSES
RSP: Intro to Collegiate Life	0.5	RSP: Intro to Collegiate Life	0.5	
Critical Issues	3	Composition	3	
Oral Communications	1	Philosophical Ideas	3	
General Physics I	2	General Physics II	2	
(PHY 213 - <b>OR</b> - 221) General Physics Lab	3 1	(PHY 214 <b>-OR-</b> 222) General Physics Lab	3 1	
(PHY 205 - <b>OR-</b> PHY 223)	I	(PHY 206 - OR- PHY 224)	1	
MTH 245 Calculus I	4	CHM 205 General Chemistry II	3	
CHM 203 General Chemistry I	3	CHM 206 General Chemistry Lab II	1	
CHM 204 General Chemistry Lab I	1	MTH 246 Calculus II	4	
TERM SUBTOTAL:	16.5	TERM SUBTOTAL:	18.5	
		Biblical Traditions	3	
Christian Tradition	3	Understanding Social Science PHY 471 Classical Mechanics	3 3	
Global Perspectives	3	PHY 497 Directed	J	
BIO 201 General Biology I	3	Independent Research	3	
BIO 205 General Biology I Lab	1	BIO 202 General Biology II	3	
MTH 347 Calculus III	3	BIO 206 General Biology II Lab	1	
PHY 301 Modern Physics	3	MTH 350 Applied Linear Algebra		
PHY 397 Research Methods TERM SUBTOTAL	2 <b>18</b>	and Differential Equations 3 TERM SUBTOTAL:	10	
IERM SOBIOTAL	18	TERM SUBIOIAL:	19	
Doing Social Science	3			
BIO 333 Comparative		Ethics	3	
Vertebrate Anatomy	3	Fine Arts	3	
PHY 303 Electronics Lab	1	PHY 481 Electricity and Magnetism - <b>OR</b> - Elective	3	
PHY 531 Quantum Mechanics PHY 541 Thermo and Stat Mech	3	PHY 351 Physics in Medicine - <b>OR</b> -	5	
- <b>OR</b> - Elective	3	PHY 353 Intro to Biological Physics	3	
PHY Elective	3	PHY 449 Animal Physiology	4	
TERM SUBTOTAL:	16	TERM SUBTOTAL:	16	
			_	
Literature	3	Ultimate Questions	3	
Foreign Language Intersections	4 3	PHY 499 Research Capstone PHY 553 -and- 662 <b>-OR-</b> PHY 561	1	
PHY 491 Seminar	3 1	- <b>AND-</b> 566**	6	
PHY 567 -AND- 661		PHY 792 Medical Physics Seminar	1	PHY 798
- <b>OR</b> - PHY 562 <b>-AND-</b> 565*	6	Electives	5	Clinical F
TERM SUBTOTAL:	17	TERM SUBTOTAL:	16	TERM SU
PHY 567 <b>-AND-</b> 661				
-OR- PHY 562 -AND- 565*	6	PHY 553 <b>-AND-</b> 662 <b>-OR-</b>		
PHY 797 Directed		PHY 561 - <b>AND-</b> 566**	6	
Independent Research	2	PHY 792 Medical Physics Seminar	1	

8 Medical Physics Rotation SUBTOTAL:

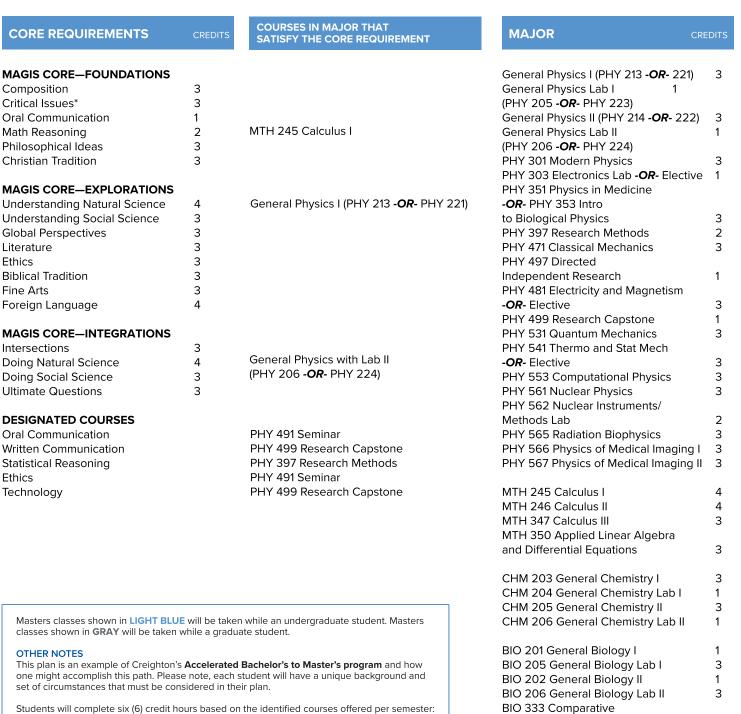
GRAND TOTAL: 1	61
116 Undergraduate + 43 Graduate Credit Hou 18 credit hours used by both BA and MS Deg	

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## **ACCELERATED PLAN**

## Bachelor of Science in Biomedical Physics (BS) to Master of Science in Medical Physics (MS)



Students will complete six (6) credit hours based on the identified courses offered per semester: \*PHY 567 Physics of Medical Imaging II -*AND*- PHY 661 Physics of Radiation Therapy -*OR*- PHY 562 Nuclear Instruments and Methods Lab -*AND*- PHY 565 Radiation Biophysics

\*\*PHY 553 Computational Physics -*AND*- PHY 662 Dosimetry and Radiation Protection -*OR*- PHY 561 Nuclear Physics -*AND*- PHY 566 Physics of Medical Imaging I Vertebrate Anatomy

**BIO 449 Animal Physiology** 

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