



## ACCELERATED PLAN

# Bachelor of Science in Neuroscience (BS) to Master of Science in Neuroscience (MS)

FALL COURSES		CREDITS	SPRING COURSES		CREDITS	SUMMER, TRANSFER AND PRE-CU COURSES		CREDITS
RSP: Intro to Collegiate Life	0.5		RSP: Intro to Collegiate Life	0.5				
Critical Issues	3		Math Reasoning	3				
Composition	3		Philosophy	3				
Oral Communication	1		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		BIO 202 General Biology II	3				
BIO 201 General Biology I	3		BIO 206 General Biology Lab	1				
BIO 205 General Biology Lab	1		PSY 201 Intro Psychology	3				
<b>TERM SUBTOTAL:</b>	<b>15.5</b>		<b>TERM SUBTOTAL:</b>	<b>17.5</b>				
Christian Tradition	3		Biblical Traditions	3				
Ethics	1		Global Perspectives	3				
BIO 362 Cell Structure and Function**	3		BIO 449 Physiology <b>-OR-</b>					
CHM 321 Organic Chemistry I	3		PHA 404 Human Physiology***	3				
CHM 322 Organic Chemistry I Lab	1		PSY 437 Behavioral Neuroscience	3				
PHY 201 General Physics I	3		PHY 202 General Physics II	3				
PHY 205 General Physics Laboratory	1		PHY 206 General Physics Laboratory II	1				
<b>TERM SUBTOTAL</b>	<b>15</b>		<b>TERM SUBTOTAL:</b>	<b>16</b>				
Foreign Language	4		Fine Art	3				
Literature	3		BIO 317 Genetics (recommended)	3				
Statistics	3		CHM 371 Biochemistry (if prehealth)**					
Non-major Elective Credit	3		<b>-OR-</b> Elective	3				
BIO 462 Neuro Lecture	3		PHL 424 Philosophy of the Mind	3				
BIO 463 Neuro Lab	1		Non-major Elective Credit	3		PHR 790 Research Rotations	2	
<b>TERM SUBTOTAL:</b>	<b>17</b>		<b>TERM SUBTOTAL:</b>	<b>18</b>		<b>TERM SUBTOTAL:</b>	<b>2</b>	
Intersections	3		Ultimate Questions	3				
Non-major Elective Credit	3		NES 510 Neurophysiology Lab	3				
NES 566 Pharmacology of Drugs and Abuse <b>-OR-</b>			BIO 567 Current Topics in Neuroscience	3				
PHR 536 Drug and Drug Targets	4		NES 500 Intro to Clinical Neuroscience	4				
BMS 667 Developmental Biology	4		NES 592 Neuroscience Capstone/Journal Club	1				
IDC 601 Research Conduct	1		PHR 797 Directed Independent Research	2		PHR 797 Directed Independent Research	6	
PHR 797 Directed Independent Research	2		<b>TERM SUBTOTAL:</b>	<b>16</b>		<b>TERM SUBTOTAL:</b>	<b>6</b>	
<b>TERM SUBTOTAL:</b>	<b>17</b>							
PHR 760 Research Rounds	1		PHR 760 Research Rounds	1				
PHR 791 Research Seminar	1		PHR 791 Research Seminar	1				
PHR 797 Directed Independent Research	6		PHR 797 Directed Independent Research	6				
<b>TERM SUBTOTAL:</b>	<b>8</b>		<b>TERM SUBTOTAL:</b>	<b>8</b>				

**GRAND TOTAL:** **156**  
 111 Undergraduate + 45 Graduate Credit Hours  
 12 credit hours used by both BA and MS Degree



## ACCELERATED PLAN

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CORE REQUIREMENTS		CREDITS	COURSES IN MAJOR THAT SATISFY THE CORE REQUIREMENT		MAJOR	CREDITS
<b>MAGIS CORE—FOUNDATIONS</b>						
Composition	3					
Critical Issues*	3					
Oral Communication	1					
Math Reasoning	2					
Philosophical Ideas	3					
Christian Tradition	3					
<b>MAGIS CORE—EXPLORATIONS</b>						
Understanding Natural Science	4	Gen BIO/Gen CHM Courses				
Understanding Social Science	3	PSY 201 Intro Psychology				
Global Perspectives	3					
Literature	3					
Ethics	3					
Biblical Tradition	3					
Fine Arts	3					
Foreign Language	4					
<b>MAGIS CORE—INTEGRATIONS</b>						
Intersections*	3	PHL 404 <b>-OR-</b> PHL 425				
Doing Natural Science	1	Gen BIO/Gen CHM Labs				
Doing Social Science	3	PSY 370 <b>-OR-</b> another Doing Social Science				
Ultimate Questions	3					
<b>DESIGNATED COURSES</b>						
Oral Communication		NES 592 Neuroscience Senior Seminar				
Written Communication		NES 510 Neurophysiology Lab				
Statistical Reasoning		Statistics (BIO 310, MTH 360, MTH 361 <b>-OR-</b> PSY 370)				
Ethics						
Technology		BIO 463 Neurobiology Lab				
<p>Masters classes shown in <b>LIGHT BLUE</b> will be taken while an undergraduate student. Masters classes shown in <b>GRAY</b> will be taken while a graduate student.</p> <p><b>OTHER NOTES</b> This plan is an example of Creighton's Accelerated Bachelor's to Master's program and how one might accomplish this path. Please note, each student will have a unique background and set of circumstances that must be considered in their plan.</p> <p>Electives: All electives are NOT necessarily offered the same semester each year. Students interested in particular electives should make sure that the requirements have been met.</p> <p>Study abroad: May be an option for students BUT they must communicate with their advisor and have any course(s) approved for transfer credit through the director and/or the registrar.</p> <p>*Designated Ethics: Students can take BIO 467/BMS 667, HAP/PHL 404, HAP/PHL 457, -or- NES 464 to fulfill course requirement needed for graduation.</p> <p>**Students can choose to take BIO 362 Cell Structure and Function -or- CHM 371 Biochemistry as a required elective course. CHM 371 is highly encouraged if a student is pre-health.</p> <p>***Neuroscience Majors ARE allowed into Physiology and provided overrides for the Junior Standing Restriction in this course. Neuroscience majors can take PHA 404 Human Physiology if granted an override.</p> <p>Human Physiology and Pharmacology courses follow the graduate academic schedule. These final exams will also follow the graduate schedule.</p>						
<b>PRE-REQUISITE AND SUPPORT COURSES</b>						
BIO 201 Gen Bio:						
Organismal and Population	3					
BIO 202 Gen Bio: Cellular and Molecular	3					
BIO 205 Gen Bio:						
Organismal and Population Lab	1					
BIO 206 Gen Bio: Cellular and Molecular	1					
PSY 201 Intro Psychology	3					
CHM 203 General Chemistry I	3					
CHM 204 General Chemistry I Lab	1					
CHM 205 General Chemistry II <b>-OR-</b>						
CHM 285 Advanced General Chemistry I	1					
CHM 206 General Chemistry II Lab						
<b>-OR-</b> CHM 286 General Chemistry						
Analysis Lab	1					
CHM 321 Organic Chemistry	3					
CHM 322 Organic Chemistry Lab	1					
PHY 201 General Physics I	3					
PHY 205 Physics Lab I	1					
PHY 202 General Physics II	3					
PHY 206 Physics Lab II	1					
<b>SUBTOTAL</b>						<b>29</b>
<b>PRE-REQUISITE AND SUPPORT COURSES</b>						
BIO 201 Gen Bio:						
Organismal and Population	3					
BIO 202 Gen Bio: Cellular and Molecular	3					
BIO 205 Gen Bio:						
Organismal and Population Lab	1					
BIO 206 Gen Bio: Cellular and Molecular	1					
PSY 201 Intro Psychology	3					
CHM 203 General Chemistry I	3					
CHM 204 General Chemistry I Lab	1					
CHM 205 General Chemistry II <b>-OR-</b>						
CHM 285 Advanced General Chemistry I	1					
CHM 206 General Chemistry II Lab						
<b>-OR-</b> CHM 286 General Chemistry						
Analysis Lab	1					
CHM 321 Organic Chemistry	3					
CHM 322 Organic Chemistry Lab	1					
PHY 201 General Physics I	3					
PHY 205 Physics Lab I	1					
PHY 202 General Physics II	3					
PHY 206 Physics Lab II	1					
<b>MAJOR SUBTOTAL</b>						<b>28-29</b>

## FOR MORE INFORMATION

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