



## 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	PHR 350 Intro to Neuropharmacology	3								
<b>TERM SUBTOTAL:</b>	<b>17</b>	<b>TERM SUBTOTAL:</b>	<b>18</b>					PHR 790 Research Rotations	2		
Intersections	3	Ultimate Questions	3					<b>TERM SUBTOTAL:</b>	<b>2</b>		
Non-major Elective Credit	3	NES 510 Neurophysiology Lab	3								
NES 566 Pharmacology of Drugs and Abuse	4	BIO 567 Current Topics in Neuroscience	3								
BMS 667 Developmental Biology	4	NES 500 Intro to Clinical Neuroscience	4								
IDC 601 Research Conduct	1	NES 592 Neuroscience Capstone/Journal Club	1								
PHR 797 Directed Independent Research	2	PHR 797 Directed Independent Research	2					PHR 797 Directed Independent Research	6		
<b>TERM SUBTOTAL:</b>	<b>17</b>	<b>TERM SUBTOTAL:</b>	<b>16</b>					<b>TERM SUBTOTAL:</b>	<b>6</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

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

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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