



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				
TERM SUBTOTAL:	15.5		TERM SUBTOTAL:	17.5				
Christian Tradition	3							
Ethics	1		Biblical Traditions	3				
BIO 362 Cell Structure and Function**	3		Global Perspectives	3				
CHM 321 Organic Chemistry I	3		BIO 449 Physiology -OR-					
CHM 322 Organic Chemistry I Lab	1		PHA 404 Human Physiology***	3				
PHY 201 General Physics I	3		PSY 437 Behavioral Neuroscience	3				
PHY 205 General Physics Laboratory	1		PHY 202 General Physics II	3				
TERM SUBTOTAL	15		PHY 206 General Physics Laboratory II	1				
			TERM SUBTOTAL:	16				
PHL 424 Philosophy of the Mind	3		Fine Art	3				
Literature	3		BIO 317 Genetics (recommended)	3				
Statistics	3		CHM 371 Biochemistry (if prehealth)**					
Non-major Elective Credit	3		-OR- Elective	3				
BIO 462 Neuro Lecture	3		Foreign Language	4				
BIO 463 Neuro Lab	1		Non-major Elective Credit	3		PHR 790 Research Rotations	2	
TERM SUBTOTAL:	16		TERM SUBTOTAL:	16		TERM SUBTOTAL:	2	
Intersections	3		Ultimate Questions	3				
Non-major Elective Credit	3		NES 510 Neurophysiology Lab	2				
NES 566 Pharmacology of Drugs and Abuse	3		BIO 567 Current Topics in Neuroscience	3				
-OR- PHR 536 Drug and Drug Targets	2		NES 500 Intro to Clinical Neuroscience	4				
BIO 667 Developmental Biology (3) including lab (1)	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		TERM SUBTOTAL:	15		TERM SUBTOTAL:	6	
TERM SUBTOTAL:	14-16							
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				
TERM SUBTOTAL:	8		TERM SUBTOTAL:	8				

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

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CORE REQUIREMENTS		CREDITS	COURSES IN MAJOR THAT SATISFY THE CORE REQUIREMENT		CREDITS
MAGIS CORE—FOUNDATIONS					
Composition	3				
Critical Issues*	3				
Oral Communication	1				
Math Reasoning	2				
Philosophical Ideas	3				
Christian Tradition	3				
MAGIS CORE—EXPLORATIONS					
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				
MAGIS CORE—INTEGRATIONS					
Intersections*	3		PHL 404 -OR- PHL 425		
Doing Natural Science	1		Gen BIO/Gen CHM Labs		
Doing Social Science	3		Social Science course		
Ultimate Questions	3				
DESIGNATED COURSES					
Oral Communication			NES 592 Neuroscience Senior Seminar		
Written Communication			NES 510 Neurophysiology Lab		
Statistical Reasoning			Statistics (BIO 310, MTH 360, MTH 361)		
Ethics					
Technology			BIO 463 Neurobiology Lab		
<div>Masters classes shown in LIGHT BLUE will be taken while an undergraduate student. Masters classes shown in GRAY will be taken while a graduate student.</div> <div>OTHER NOTES 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. 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. 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. *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. **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. ***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. Human Physiology and Pharmacology courses follow the graduate academic schedule. These final exams will also follow the graduate schedule.</div>					
			MAJOR		
			PRE-REQUISITE AND SUPPORT COURSES		
			BIO 201 Gen Bio:		
			Organismal and Population		
			BIO 202 Gen Bio: Cellular and Molecular		
			BIO 205 Gen Bio:		
			Organismal and Population Lab		
			BIO 206 Gen Bio: Cellular and Molecular		
			PSY 201 Intro Psychology		
			CHM 203 General Chemistry I		
			CHM 204 General Chemistry I Lab		
			CHM 205 General Chemistry II -OR-		
			CHM 285 Advanced General Chemistry I		
			CHM 206 General Chemistry II Lab		
			-OR- CHM 286 General Chemistry		
			Analysis Lab		
			CHM 321 Organic Chemistry		
			CHM 322 Organic Chemistry Lab		
			PHY 201 General Physics I		
			PHY 205 Physics Lab I		
			PHY 202 General Physics II		
			PHY 206 Physics Lab II		
			SUBTOTAL		
			29		
			CORE REQUIREMENTS		
			BIO 201 Gen Bio:		
			Organismal and Population		
			BIO 202 Gen Bio: Cellular and Molecular		
			BIO 205 Gen Bio:		
			Organismal and Population Lab		
			BIO 206 Gen Bio: Cellular and Molecular		
			PSY 201 Intro Psychology		
			CHM 203 General Chemistry I		
			CHM 204 General Chemistry I Lab		
			CHM 205 General Chemistry II -OR-		
			CHM 285 Advanced General Chemistry I		
			CHM 206 General Chemistry II Lab		
			-OR- CHM 286 General Chemistry		
			Analysis Lab		
			CHM 321 Organic Chemistry		
			CHM 322 Organic Chemistry Lab		
			PHY 201 General Physics I		
			PHY 205 Physics Lab I		
			PHY 202 General Physics II		
			PHY 206 Physics Lab II		
			MAJOR SUBTOTAL		
			28-29		

FOR MORE INFORMATION

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Creighton
UNIVERSITY

Graduate School