

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	Biblical Traditions	3		
Ethics.....	1	Global Perspectives.....	3		
BIO 362 Cell Structure and Function**.....	3	BIO 449 Physiology -OR-			
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		
TERM SUBTOTAL:	15	TERM SUBTOTAL:	16		
Foreign Language	4	Fine Art.....	3		
Literature	3	BIO 317 Genetics (recommended).....	3		
Statistics	3	CHM 371 Biochemistry (if prehealth)**.....	3		
Non-major Elective Credit.....	3	-OR- 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		
TERM SUBTOTAL:	17	Non-major Elective Credit.....	3	PHR 790 Research Rotations.....	2
		TERM SUBTOTAL:	18	TERM SUBTOTAL:	2
Intersections	3	Ultimate Questions.....	3		
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			
PHR 797 Directed Independent Research....	2	Capstone/Journal Club.....	1		
TERM SUBTOTAL:	17	PHR 797 Directed Independent Research....	2	PHR 797 Directed Independent Research....	6
		TERM SUBTOTAL:	16	TERM SUBTOTAL:	6
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

GRAND TOTAL:.....156

111 Undergraduate + 45 Graduate Credit Hours
12 credit hours used by both BS and MS Degree

ACCELERATED PLAN

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

CORE REQUIREMENTS

CREDITS

MAGIS CORE—FOUNDATIONS

Composition.....	3
Critical Issues.....	3
Oral Communication.....	1
Math Reasoning.....	3
Philosophical Ideas.....	3
Christian Tradition.....	3

MAGIS CORE—EXPLORATIONS

Understanding Natural Science.....	3
Understanding Social Science.....	3
Global Perspectives.....	3
Literature.....	3
Ethics.....	3
Biblical Tradition.....	3
Fine Arts.....	3
Foreign Language.....	4

MAGIS CORE—INTEGRATIONS

Intersections.....	3
Doing Natural Science.....	1
Doing Social Science.....	3
Ultimate Questions.....	3

DESIGNATED COURSES

Oral Communication	
Written Communication	
Statistical Reasoning	
Ethics*	
Technology	

COURSES IN MAJOR THAT SATISFY THE CORE REQUIREMENT

Gen BIO/Gen CHM Courses	
PSY 201 Intro Psychology	
PHL 404 -OR- PHL 425	
Gen BIO/Gen CHM Labs	
PSY 370 -OR- another Doing Social Science	
NES 592 Neuroscience Senior Seminar	
NES 510 Neurophysiology Lab	
Statistics (BIO 310, MTH 360, MTH 361 -OR- PSY 370)	
BIO 463 Neurobiology Lab	

MAJOR

CREDITS

PRE-REQUISITE AND SUPPORT COURSES

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 -OR- CHM 285 Advanced General Chemistry I...1	
CHM 206 General Chemistry II Lab -OR- 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

SUBTOTAL:..... 31

NEUROSCIENCE MAJOR

PSY 437 Behavioral Neuroscience.....	3
BIO 462 Neurobiology Lecture.....	3
BIO 463 Neurobiology Lab.....	1
PHR 350 Intro to Neuropharmacology.....	3
HAP/PHL 457 Biomedical Ethics -OR- HAP/PHL 404 Bioethics and Society -OR- PHL 425 Sciences, Ethics and Society.....	3
PHL 424 Philosophy of the Mind.....	3
NES 510 Neurophysiology Lab.....	2
NES 592 Senior Seminar.....	1
BIO 362 Cell Structure and Function -OR- CHM 371 Biochemistry (if prehealth)**....	3
BIO 449 Physiology -OR- BMS 404 Human Physiology***.....	3
Statistics (BIO 310, MTH 360, MTH 361 -OR- PSY 370).....	3-4

At least 12 hours of electives

NES 500 Intro to Clinical Neuroscience.....	3
NES 566 Pharmacology of Drugs and Abuse.....	3
Two Electives.....	6

MAJOR SUBTOTAL:..... 28-29

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.

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.

FOR MORE INFORMATION

Annemarie Shibata, PhD | 402.280.3588 | AnnemarieShibata@creighton.edu

Creighton
UNIVERSITY

Graduate School