This degree requires 120 total credits. 45 of these credits must be upper level (300-level and above).

	Fall		Spring	
	Course	Credits	Course	Credits
	BIOL 103: Introductory Biology I*	3	BIOL 213: Cell Structure and Function	4
ar	CHEM 211: General Chemistry I	3	CHEM 212: General Chemistry II	3
First Year	CHEM 213: General Chemistry I Lab	1	CHEM 214: General Chemistry II lab	1
rst	PSYC 100: Basic Concepts in Psychology	3	MATH Requirement**	3-4
证	Mason Core (rec. Written Comm lower level)	3	NEUR 101: Introduction to Neuroscience***	3
	UNIV 100	1	OR Mason Core	
	Total	14	Total	14-15
	Fall		Spring	
	Course	Credits	Course	Credits
<u></u>	PSYC 375: Brain and Sensory Processes	3	PSYC 376: Brain and Behavior	3
ea	MATH Requirement**or Mason Core	3-4	PSYC 373: Biopsychology Laboratory	2
Second Yea	Second Biology Course	3-4	Statistics	3-4
	Mason Core (rec. Oral Comm.)	3	Mason Core (rec. Art, Glob. Con., or Global Hist.)	3
	Mason Core (rec. Literature)	3	Mason Core (rec. Art, Glob. Con., or Global Hist.)	3
	Total	14-16	Total	14-15
	Fall		Spring	
	Course	Credits	Course	Credits
	PHYS 243: College Physics I	3	PHYS 245: College Physics II	3
			PHYS 246: College Physics II Lab	
ar	PHYS 244: College Physics I Lab	1	FH13 240. College Filysics II Lab	1
Year	PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience	3	NEUR 335: Developmental and Systems Neuroscience	3
ird Year			NEUR 335: Developmental and Systems	
Third Year	NEUR 327: Cellular Neuroscience	3	NEUR 335: Developmental and Systems Neuroscience	3
Third Year	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab	3	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex)	3
Third Year	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level)	3 2 3	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective****	3 3 3
Third Year	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level) Mason Core (rec. Art, Glob. Con., or Global Hist)	3 2 3 3	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective**** General Elective	3 3 3 3
Third Year	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level) Mason Core (rec. Art, Glob. Con., or Global Hist) Total	3 2 3 3	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective**** General Elective Total	3 3 3 3
Third Year	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level) Mason Core (rec. Art, Glob. Con., or Global Hist) Total	3 2 3 3 14	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective**** General Elective Total	3 3 3 3 16
Third	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level) Mason Core (rec. Art, Glob. Con., or Global Hist) Total Fall Course	3 2 3 3 14 Credits	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective**** General Elective Total Spring Course	3 3 3 3 16 Credits
Year Third	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level) Mason Core (rec. Art, Glob. Con., or Global Hist) Total Fall Course NEUR 411: Seminar in Neuroscience	3 2 3 3 14 Credits 3	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective**** General Elective Total Spring Course Neuroscience Elective****	3 3 3 3 16 Credits
Year Third	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level) Mason Core (rec. Art, Glob. Con., or Global Hist) Total Fall Course NEUR 411: Seminar in Neuroscience CDS 130: Computing for Scientists	3 2 3 3 14 Credits 3 3	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective**** General Elective Total Spring Course Neuroscience Elective**** Neuroscience Elective****	3 3 3 3 16 Credits 3
Third	NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab Mason Core (rec. Written Comm upper level) Mason Core (rec. Art, Glob. Con., or Global Hist) Total Fall Course NEUR 411: Seminar in Neuroscience CDS 130: Computing for Scientists Neuroscience Elective****	3 2 3 3 14 Credits 3 3 3 3	NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Apex) Neuroscience Elective**** General Elective Total Spring Course Neuroscience Elective**** Neuroscience Elective**** Neuroscience Elective****	3 3 3 16 Credits 3 3 3 3

^{**} MATH Requirement: Students must take MATH 113 OR MATH 123 & MATH 124 (2 semesters) for this degree. Students must take the math placement test (http://math.gmu.edu/placement_test.php) to determine which math they can enroll in. Depending on placement, students may have to take MATH 105 (Precalculus) before taking Calculus.

^{***}NEUR 101 is not required for the major, but will count as a Neuroscience Elective if taken before 300-level PSYC and NEUR courses.

^{****22} credits of Neuroscience Electives are required for the major. See approved list of courses on page 7-8 and on the BS Neuroscience Catalog page

Track-A: For students who will take the MCAT/exams during the spring of the third year

This degree requires 120 total credits. 45 of these credits must be upper level (300-level and above).

	Fall		Spring	
First Year	Course	Credits	Course	Credits
	BIOL 103: Intro to Cell Biology	3	BIOL 213: Cell Structure and Function	4
	CHEM 211: General Chemistry I	3	CHEM 212: General Chemistry II	3
	CHEM 213: General Chemistry I Lab	1	CHEM 214: General Chemistry II lab	1
	PSYC 100: Basic Concepts in Psychology	3	MATH Requirement**	3-4
	Mason Core (rec. Written Comm lower level)	3	NEUR 101: Introduction to Neuroscience*** OR Mason Core	3
	UNIV 100	1		
	Total	14	Total	14-15
	Fall		Spring	
	Course	Credits	Course	Credits
<u>_</u>	PSYC 375: Brain and Sensory Processes	3	PSYC 376: Brain and Behavior	3
Second Year	Mason Core (rec. Literature)	3	PSYC 373: Biopsychology Laboratory	2
	CHEM 313: Organic Chemistry I****	3	CHEM 314: Organic Chemistry II****	3
	CHEM 315: Organic Chemistry I Lab****	2	CHEM 318: Organic Chemistry II Lab****	2
	PHYS 243: College Physics I	3	PHYS 245: College Physics II	3
	PHYS 244: College Physics I Lab	1	PHYS 246: College Physics II Lab	1
	Total	15	Total	14
	Fall		Spring	
	Course	Credits	Course	Credits
	BIOL 311: Genetics	4	BIOL 431: Advanced Human Anat. and Phys. II****	4
Year	Statistics (STAT 250 or BIOL 214)	3-4	NEUR 327: Cellular Neuroscience	3
۲	BIOL 430: Advanced Human Anat. and Phys. I****	4	NEUR 328: Cellular Neuroscience Lab	2
<u>i.</u>	BIOL 483: General Biochemistry****	4	SOCI 101: Introductory Sociology	3
Third				
Н			Mason Core (rec. Written Comm upper level)	3
_	Total	15-16		14
_	Total	15-16	Mason Core (rec. Written Comm upper level)	
_	-	15-16 Credits	Mason Core (rec. Written Comm upper level) Total	
ar	Fall		Mason Core (rec. Written Comm upper level) Total Spring	14
	Fall Course NEUR 335: Developmental and Systems	Credits	Mason Core (rec. Written Comm upper level) Total Spring Course	14 Credits
Year .	Fall Course NEUR 335: Developmental and Systems Neuroscience	Credits	Mason Core (rec. Written Comm upper level) Total Spring Course NEUR 411: Seminar in Neuroscience	14 Credits
Year .	Fall Course NEUR 335: Developmental and Systems Neuroscience CDS 130: Computing for Scientists	Credits 3	Mason Core (rec. Written Comm upper level) Total Spring Course NEUR 411: Seminar in Neuroscience Mason Core	14 Credits 3
ear .	Fall Course NEUR 335: Developmental and Systems Neuroscience CDS 130: Computing for Scientists Mason Core (rec. Apex	Credits 3 3 3	Mason Core (rec. Written Comm upper level) Total Spring Course NEUR 411: Seminar in Neuroscience Mason Core Mason Core	Credits 3 3 3

^{**} MATH Requirement: Students must take MATH 113 OR MATH 123 & MATH 124 (2 semesters) for this degree. Students must take the math placement test (http://math.gmu.edu/placement_test.php) to determine which math they can enroll in. Depending on placement, students may have to take MATH 105 (Precalculus) before taking Calculus.

^{***}NEUR 101 is not required for the major, but will count as a Neuroscience Elective if taken before 300-level PSYC and NEUR courses.

****22 credits of Neuroscience Electives are required for the major. Many medical school prerequisites are accepted as neuroscience electives. Courses labeled "****" above are counted as neuroscience electives. See approved list of courses on page 7-8 and on the BS Neuroscience Catalog page

4-Year Example Schedule (Pre-Health)

Track-B: For students who will take the MCAT/exams during the spring of the fourth year

This degree requires 120 total credits. 45 of these credits must be upper level (300-level and above).

	Fall		Spring	
	Course	Credits	Course	Credits
	BIOL 103: Introductory Biology I*	3	BIOL 213: Cell Structure and Function	4
First Year	CHEM 211: General Chemistry I	3	CHEM 212: General Chemistry II	3
	CHEM 213: General Chemistry I Lab	1	CHEM 214: General Chemistry II lab	1
	PSYC 100: Basic Concepts in Psychology	3	MATH Requirement**	3-4
	Mason Core (rec. Written Comm lower level)	3	NEUR 101: Introduction to Neuroscience*** OR Mason Core	3
	UNIV 100	1		
	Total	14	Total	14-15
	Fall		Spring	
	Course	Credits	Course	Credits
	PSYC 375: Brain and Sensory Processes	3	PSYC 376: Brain and Behavior	3
ea	BIOL 311: General Genetics	4	PSYC 373: Biopsychology Laboratory	2
Second Year	CHEM 313: Organic Chemistry I****	3	CHEM 314: Organic Chemistry II****	3
	CHEM 315: Organic Chemistry I Lab****	2	CHEM 318: Organic Chemistry II Lab****	2
	MATH Requirement**or Mason Core	3-4	Mason Core (rec. Literature)	3
			Mason Core	3
	Total	15-16	Total	16
	Fall		Spring	
	Fall Course	Credits	Spring Course	Credits
		Credits		Credits
ear	Course		Course	
d Year	Course PHYS 243: College Physics I	3	Course PHYS 245: College Physics II	3
hird Year	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab	3	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems	3
Third Year	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience	3 1 3	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience	3 1 3
Third Year	PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab	3 1 3 2	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level)	3 1 3 3
Third Year	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry****	3 1 3 2 4	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core	3 1 3 3 3
Third Year	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214)	3 1 3 2 4 3-4	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Mason Core Total	3 1 3 3 3 3
Third Year	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214) Total	3 1 3 2 4 3-4	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Mason Core	3 1 3 3 3 3
r Third Y	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214) Total Fall Course	3 1 3 2 4 3-4 15-16	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Total Spring Course	3 1 3 3 3 3 16 Credits
r Third Y	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214) Total	3 1 3 2 4 3-4 15-16	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Total Spring	3 1 3 3 3 3 16 Credits
Year Third Y	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214) Total Fall Course BIOL 430: Advanced Human Anat. and Phys. I****	3 1 3 2 4 3-4 15-16 Credits	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Total Spring Course BIOL 431: Advanced Human Anat. and Phys. II****	3 1 3 3 3 3 16 Credits
Year Third Y	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214) Total Fall Course BIOL 430: Advanced Human Anat. and Phys. I**** BIOL 305: Biology of Microorganisms****	3 1 3 2 4 3-4 15-16 Credits 4 3	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Total Spring Course BIOL 431: Advanced Human Anat. and Phys. II**** NEUR 411: Seminar in Neuroscience	3 1 3 3 3 3 16 Credits 4 3
r Third Y	Course PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214) Total Fall Course BIOL 430: Advanced Human Anat. and Phys. I**** BIOL 305: Biology of Microorganisms**** BIOL 306: Biology of Microorganisms Lab****	3 1 3 2 4 3-4 15-16 Credits 4 3	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Total Spring Course BIOL 431: Advanced Human Anat. and Phys. II**** NEUR 411: Seminar in Neuroscience Mason Core (rec. Apex	3 1 3 3 3 3 16 Credits 4 3
Year Third Y	PHYS 243: College Physics I PHYS 244: College Physics I Lab NEUR 327: Cellular Neuroscience NEUR 328: Cellular Neuroscience Lab BIOL 483: General Biochemistry**** Statistics (STAT 250 or BIOL 214) Total Fall Course BIOL 430: Advanced Human Anat. and Phys. I**** BIOL 305: Biology of Microorganisms**** BIOL 306: Biology of Microorganisms Lab**** CDS 130: Computing for Scientists	3 1 3 2 4 3-4 15-16 Credits 4 3 1 3	Course PHYS 245: College Physics II PHYS 246: College Physics II Lab NEUR 335: Developmental and Systems Neuroscience Mason Core (rec. Written Comm upper level) Mason Core Total Spring Course BIOL 431: Advanced Human Anat. and Phys. II**** NEUR 411: Seminar in Neuroscience Mason Core (rec. Apex Mason Core	3 1 3 3 3 3 16 Credits 4 3 3

^{**} MATH Requirement: Students must take MATH 113 OR MATH 123 & MATH 124 (2 semesters) for this degree. Students must take the math placement test (http://math.gmu.edu/placement test.php) to determine which math they can enroll in. Depending on placement, students may have to take MATH 105 (Precalculus) before taking Calculus.

^{***}NEUR 101 is not required for the major, but will count as a Neuroscience Elective if taken before 300-level PSYC and NEUR courses.

****23 credits of Neuroscience Electives are required for the major. Many medical school prerequisites are accepted as neuroscience electives. Courses labeled "****" above are counted as neuroscience electives. See approved list of courses on page 7-8 and on the BS Neuroscience Catalog page