

4-Year Example Schedule (General)

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

	Fall		Spring	
	Course	Credits	Course	Credits
First Year	BIOL 103: Introductory Biology I*	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***	3
	UNIV 100	1	OR Mason Core	
	Total	14	Total	14-15
Second Year	Fall		Spring	
	Course	Credits	Course	Credits
	PSYC 375: Brain and Sensory Processes	3	PSYC 376: Brain and Behavior	3
	MATH Requirement** or Mason Core	3-4	PSYC 373: Biopsychology Laboratory	2
	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	
Third Year	Fall		Spring	
	Course	Credits	Course	Credits
	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
	NEUR 327: Cellular Neuroscience	3	NEUR 335: Developmental and Systems Neuroscience	3
	NEUR 328: Cellular Neuroscience Lab	2	Mason Core (rec. Apex)	3
	Mason Core (rec. Written Comm.- upper level)	3	Neuroscience Elective****	3
Mason Core (rec. Art, Glob. Con., or Global Hist)	3	General Elective	3	
Total	14	Total	16	
Fourth Year	Fall		Spring	
	Course	Credits	Course	Credits
	NEUR 411: Seminar in Neuroscience	3	Neuroscience Elective****	3
	CDS 130: Computing for Scientists	3	Neuroscience Elective****	3
	Neuroscience Elective****	3	Neuroscience Elective****	3
	Neuroscience Elective****	3	Neuroscience Elective****	3
Neuroscience Elective****	3	General Electives to get to 120 credits	3+	
Total	15	Total	15+	

** 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](#)

4-Year Example Schedule (Pre-Health)

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	
	Course	Credits	Course	Credits
First Year	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
Second Year	Fall		Spring	
	Course	Credits	Course	Credits
	PSYC 375: Brain and Sensory Processes	3	PSYC 376: Brain and Behavior	3
	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	
Third Year	Fall		Spring	
	Course	Credits	Course	Credits
	BIOL 311: Genetics	4	BIOL 431: Advanced Human Anat. and Phys. II****	4
	Statistics (STAT 250 or BIOL 214)	3-4	NEUR 327: Cellular Neuroscience	3
	BIOL 430: Advanced Human Anat. and Phys. I****	4	NEUR 328: Cellular Neuroscience Lab	2
	BIOL 483: General Biochemistry****	4	SOCI 101: Introductory Sociology	3
			Mason Core (rec. Written Comm.- upper level)	3
Total	15-16	Total	14	
Fourth Year	Fall		Spring	
	Course	Credits	Course	Credits
	NEUR 335: Developmental and Systems Neuroscience	3	NEUR 411: Seminar in Neuroscience	3
	CDS 130: Computing for Scientists	3	Mason Core	3
	Mason Core (rec. Apex)	3	Mason Core	3
	Mason Core	3	Major Elective	3
	Mason Core	3	General Electives to get to 120 credits	3+
Total	15	Total	15+	

** 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)

B.S. Neuroscience

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
First Year	BIOL 103: Introductory Biology I*	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
Second Year	Fall		Spring	
	Course	Credits	Course	Credits
	PSYC 375: Brain and Sensory Processes	3	PSYC 376: Brain and Behavior	3
	BIOL 311: General Genetics	4	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
	MATH Requirement**or Mason Core	3-4	Mason Core (rec. Literature)	3
Total	15-16	Total	16	
Third Year	Fall		Spring	
	Course	Credits	Course	Credits
	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
	NEUR 327: Cellular Neuroscience	3	NEUR 335: Developmental and Systems Neuroscience	3
	NEUR 328: Cellular Neuroscience Lab	2	Mason Core (rec. Written Comm.- upper level)	3
	BIOL 483: General Biochemistry****	4	Mason Core	3
Statistics (STAT 250 or BIOL 214)	3-4	Mason Core	3	
Total	15-16	Total	16	
Fourth Year	Fall		Spring	
	Course	Credits	Course	Credits
	BIOL 430: Advanced Human Anat. and Phys. I****	4	BIOL 431: Advanced Human Anat. and Phys. II****	4
	BIOL 305: Biology of Microorganisms****	3	NEUR 411: Seminar in Neuroscience	3
	BIOL 306: Biology of Microorganisms Lab****	1	Mason Core (rec. Apex)	3
	CDS 130: Computing for Scientists	3	Mason Core	3
	SOCI 101: Introductory Sociology	3	General Electives to get to 120 credits	3+
Total	14	Total	16+	

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***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](#)