

GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE
B.S. DEGREE IN NEUROSCIENCE (204 Krasnow Institute, neurosci@gmu.edu)
<http://cos.gmu.edu/neuroscience/>
2018 - 2019 CATALOG

MASON CORE REQUIREMENTS (24)	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
a. Written Communication: ENGH 101 (100), ENGH 302 (C or better) (3,3)		_____	_____
b. Oral Communication: COMM 100 or 101 (circle choice) (3)		_____	_____
c. Quantitative Reasoning (satisfied by MATH 113 or STAT 250)		_____	_____
d. Literature (3)	_____	_____	_____
e. Arts (3)	_____	_____	_____
f. Western Civilization (3)	_____	_____	_____
g. Social & Behavioral Science (satisfied by PSYC 100)		_____	_____
h. Natural Science (satisfied by CHEM 211/213 and 212/214)		_____	_____
i. Global Understanding (3)		_____	_____
j. Information Technology (satisfied by CDS 130)	_____	_____	_____
k. Synthesis (3)	_____	_____	_____

Go to: <http://catalog.gmu.edu/mason-core/> to link to information on Mason Core requirements.

MAJOR REQUIREMENTS (75-78 credit hours required)

Foundation Courses (51-54 credits)

a. CHEM 211/213, CHEM 212/214 (3/1,3/1)	a. _____	_____
b. BIOL 213 (4), One course from: BIOL 311 (4), 326 (3), 425 (3), 430 (4), 431 (4)	b. _____	_____
c. One of the following: MATH 113, MATH 114, or MATH 213 (3-4)	c. _____	_____
d. PHYS 243/244; 245/246 (3/1,3/1) OR PHYS 160/161; PHYS 260/261 (3/1,3/1)	d. _____	_____
e. PSYC 100, PSYC 375 (3,3)	e. _____	_____
f. PSYC 376, PSYC 373 (3,1)	f. _____	_____
g. CDS 130 (3)	g. _____	_____
h. One course from (circle choice): STAT 250 (3), PSYC 300 (4), MATH 352 (3), BIOL 214 (4)	h. _____	_____
i. NEUR 327, *NEUR 335 (3,3)	i. _____	_____
j. NEUR 410 (writing intensive course) or NEUR 411 (writing intensive course) (3)	j. _____	_____
k. Twenty-four hours electives (24)(must be approved by the director of the program; list courses) credits of D may be applied to this requirement)		(no more than six)
1. _____	2. _____	_____
3. _____	4. _____	_____
5. _____	6. _____	_____
7. _____	8. _____	_____

A grade of C- or better required for the following courses: BIOL 213; PSYC 100, 3373, 375, 376; NEUR 327, 335, 410 or 411

GENERAL ELECTIVES: Maximum 2 credits of PHED, PRLS, and RECR coursework toward a COS degree. Only MLSC 400 and MLSC 402 may be used for credit towards a COS degree. (List courses)

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

MINIMUM 120 HOURS (including Minimum 45 UPPER DIVISION HOURS) to GRADUATE

This planning form is intended to be used in consultation with your academic advisor and reflects the requirements for the 2018 - 2019 Catalog; the University Catalog is the official reference for program requirements.

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FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
MATH 113*	4	BIOL 213*	4	*Fulfills Mason
CHEM 211*	3	CHEM 212	3	Core requirements
CHEM 213*	1	CHEM 214	1	(some may also
PSYC 100*	3	CDS 130*	3	fulfill degree
ENGH 101*	3	COMM 100 OR 101*	3	requirements).
UNIV 100	1			Note: MATH 114 or 213
Total:	15 credits	Total:	14 credits	Can replace 113.

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
CHEM 313	3	CHEM 314	3	*CHEM 313/315 are
CHEM 315	2	CHEM 318	2	not required for this
BIOL 214 OR	4	PSYC 375	3	degree, however
STAT 250	3	PSYC 373	1	they are pre-
HIST 100 or 125*	3	CLAS 250	3	requisites for many
AVT 252*	3	GLOA 101	3	medical schools.
Total:	14 or 15 credits	Total:	15 credits	Note: STAT 250,

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
PHYS 243	3	PHYS 245	3	PSYC 300 or MATH 352
PHYS 244	1	PHYS 246	1	Can replace BIOL 214
BIOL 311	4	NEUR 327	3	Note: PHYS 160/161 &
PSYC 376	3	BIOL 305	3	and 260/261 can
ENGH 302*	3	BIOL 306	1	Replace the physics
		Elective	3	Sequence. Note: NEUR
Total:	14 credits	Total:	14 credits	411 can replace 410.

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
BIOL 301*	3	NEUR 410*	3	*BIOL 483 is not
BIOL 430	4	BIOL 431	4	required for this
BIOL 483	4	BIOL 484	3	degree, however
NEUR 335	3	NEUR 405	3	it is a pre-req. for
Elective	3	NEUR 461	3	many medical
Total:	17 credits	Total:	16 credits	schools.

*Students must earn 120 credits for graduation; 45 credits must be upper-level (courses 300+).

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FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
MATH 113*	4	BIOL 213*	4	*Fulfills Mason
CHEM 211*	3	CHEM 212	3	Core requirements
CHEM 213	1	CHEM 214	1	(some may also
PSYC 100*	3	CDS 130*	3	fulfill degree
ENGH 101*	3	COMM 100 or 101*	3	requirements).
UNIV 100	1			Note: MATH 114 or 213
Total:	15	Total:	14 credits	can replace 113.

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
BIOL 214 OR	4	BIOL 311	4	Note: STAT 250, PSYC
STAT 250	3	PHYS 245	3	300, or MATH 352 can
PHYS 243	3	PHYS 246	1	Replace BIOL 214.
PHYS 244	1	CLAS 250*	3	Note: PHYS 160/161/
HIST 100 or 125*	3	GLOA 101*	3	260/261 can replace
AVT 252*	3			The physics sequence.
Total:	13 or 14 credits	Total:	14 credits	Note: Students

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
ENGH 302*	3	PSYC 376	3	Interested in pursuing
PSYC 375	3	NEUR 327	3	Medical school should
PSYC 373	1	BIOL 431	4	Enroll in organic CHEM
BIOL 430	4	NEUR Elective	3	I and II (313/315 and
NEUR Elective	3	General Elective	3	314/318) and
General Elective	3			BIOCHEM (BIOL 483).
Total:	17 credits	Total:	16 credits	Use medical tract 4
				year plan or take
				these courses over
				summer terms.

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
BIOL 301* (Synth.)	3	NEUR 405	3	Note: NEUR 411 can
NEUR 335	3	BIOL 484	3	Replace NEUR 410.
NEUR Elective	3	NEUR 410*	3	
NEUR Elective	3	NEUR 461	3	
General Elective	3	General Elective	3	
Total:	15 credits	Total:	15 credits	

*Students must earn 120 credits for graduation; 45 credits must be upper-level (courses 300+).