

GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE
B.S. DEGREE IN ASTRONOMY (203 Planetary Hall, 703-993-1280)
<http://physics.gmu.edu/bs-in-astronomy/>
2018 - 2019 CATALOG

	<u>Department(s) & Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<u>MASON CORE REQUIREMENTS (*30)</u>			
a. Written Communication: ENGH 101 (100), ENGH 302 (C or better) (3,3)		_____	_____
b. Oral Communication: COMM 100 or 101 (please circle choice) (3)		_____	_____
c. Quantitative Reasoning (satisfied by completions of major requirements)			
d. Literature (3)		_____	_____
e. Arts (3)	_____	_____	_____
f. Western Civilization (3)	_____	_____	_____
g. Social & Behavioral Science (3)	_____	_____	_____
h. Natural Science (satisfied by completions of major requirements)			
i. Global Understanding (3)	_____	_____	_____
j. Information Technology (3)	_____	_____	_____
k. Synthesis (satisfied by ASTR 402)	_____	_____	_____

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

MAJOR REQUIREMENTS
(52 credits in physics and astronomy and 14 credits in mathematics with a minimum GPA of 2.00)

a. ASTR 210 (3)		a. _____	_____
b. ASTR 328 (3)		b. _____	_____
c. ASTR 402 (writing intensive course) (3)		c. _____	_____
d. Two of the following: ASTR 403, 404, 480 (circle choices) (3,3)		d. _____	_____
e. PHYS 160 (3)		e. _____	_____
f. PHYS 161 (1)		f. _____	_____
g. PHYS 260 (3)		g. _____	_____
h. PHYS 261 (1)		h. _____	_____
i. PHYS 251 (3)		i. _____	_____
j. PHYS 301 (3)		j. _____	_____
k. PHYS 303 (3)		k. _____	_____
l. PHYS 305 (3)		l. _____	_____
m. PHYS 308 (3)		m. _____	_____
n. PHYS 416 (1)		n. _____	_____
o. Fourteen hours of Mathematics as follows:(14)			
1. MATH 113 , 114 (4,4)		1. _____	_____
2. MATH 213, 214 (3,3)		2. _____	_____
p. Fifteen hours from the following (at least twelve hours must be in upper-level courses): ASTR 301, 408, PHYS 306, 307, 402, (ASTR 403 or ASTR 404, or PHYS 428 or ASTR 480, if not picked for d. above), any other ASTR or PHYS course with the permission of the department (list courses) (15)			
1. _____		1. _____	_____
2. _____		2. _____	_____
3. _____		3. _____	_____
4. _____		4. _____	_____
5. _____		4. _____	_____

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.

FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
MATH 113	4	MATH 114	4	*students who do
PHYS 122/123	2	ASTR 124	1	not place into
ENGH 101	3	PHYS 160	3	Calculus 1 can
Mason Core	3	PHYS 161	1	visit the physics
Mason Core	3	Mason Core	3	website for an
UNIV 100	1	Mason Core	3	alternative
Total:	16 credits	Total:	15 credits	schedule.

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
MATH 213	3	MATH 214	3	
PHYS 260	3	PHYS 308	3	
PHYS 261	1	ASTR 210	3	
PHYS 251	3	Mason Core	3	
Mason Core	3	Elective	3	
Elective	3			
Total:	16 credits	Total:	15 credits	

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
ASTR 328	3	ASTR 404	3	
PHYS 301	3	PHYS 306	3	
PHYS 303	3	PHYS 402	3	
PHYS 305	3	Elective	3	
ENGH 302	3	Elective	3	
Total:	15 credits	Total:	15 credits	

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
ASTR 401	3	PHYS 428	3	
ASTR 402	4	ASTR 420 OR 428	3	
ASTR 403	3	Elective	3	
ASTR 408	3	Elective	3	
PHYS 416	1	Elective	3	
Total:	14 credits	Total:	15 credits	

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

*Schedule will vary depending on if student began in an odd or even year; details can be found at physics.gmu.edu.