

GEORGE MASON UNIVERSITY
COLLEGE OF SCIENCE
B.A. DEGREE IN CHEMISTRY (303 Planetary Hall, 993-1071)
<https://cos.gmu.edu/chemistry/undergraduate-programs/>
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 completion of major requirements)			
d. Literature (3)	_____	_____	_____
e. Arts (3)	_____	_____	_____
f. Western Civilization (3)	_____	_____	_____
g. Social & Behavioral Science (3)	_____	_____	_____
h. Natural Science (satisfied by completion of major requirements)			
i. Global Understanding (3)	_____	_____	_____
j. Information Technology (3)	_____	_____	_____
k. Synthesis (3)	_____	_____	_____

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

COLLEGE REQUIREMENTS (*18)

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|---|-------|-------|-------|
| a. Foreign Language: Intermediate level in a single foreign language. | | | |
| b. Philosophy or Religious Studies (3) (not PHIL 323 or 324) | _____ | _____ | _____ |
| c. Three credits in social & behavioral sciences in addition to the university-wide requirement in social & behavioral science for a total of 6 credits. The two courses used to fulfill the combined college and university requirements must be from different disciplines. This requirement may be fulfilled by completing any course in ANTH, CRIM, ECON, GOVT, HIST (except 100 or 125), LING, PSYC, or SOCI & these courses in GGS: 101, 103, 110, 301, 303, 304, 305, 306, 315, 316, 320, 325, 330, 357, 380 | | | |
| d. Non-Western Culture (3) | _____ | _____ | _____ |

*The number of hours needed to fulfill Mason Core requirements may vary; see the University Catalog for information. The two courses used to fulfill the college and university requirements for social & behavioral sciences must be from different disciplines.

MAJOR REQUIREMENTS (56 credit hours required)

Students majoring in chemistry must complete the chemistry program requirements with a minimum GPA of 2.30 and present no more than two courses with a grade of D (1.00) in CHEM coursework at graduation.

Chemistry Courses (37 credits)

a. CHEM 211/213, CHEM 212/214 (3/1,3/1)	a. ___ ___	___ ___
b. CHEM 313, CHEM 314 (3,3)	b. ___ ___	___ ___
c. CHEM 315, CHEM 318 (2,2)	c. ___ ___	___ ___
d. CHEM 321 (4)	d. ___	___
e. CHEM 331, CHEM 336 (writing intensive course) (3,2)	e. ___ ___	___ ___
f. CHEM 332, CHEM 337 (3,2)	f. ___ ___	___ ___
g. Other chemistry course work (list course #) (5 credits)		
1. CHEM _____	1. _____	_____
2. CHEM _____	2. _____	_____

Math Courses (11 credits)

h. MATH 113, MATH 114 (4,4)	h. ___ ___	___ ___
i. MATH 213 (3)	i. _____	_____

Physics Courses (8 credits)

j. PHYS 243, 244; PHYS 245, 246 (3,1,3,1) OR PHYS 160/161; PHYS 260/261 (3,1,3,1)	j. - - - -	- - - -
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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.

B.A. Chemistry

2018 - 2019

FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
CHEM 211	3	CHEM 212	3	
CHEM 213	1	CHEM 214	1	
MATH 113	4	MATH 114	4	
HIST. Req.	3	COMM Req.	3	
ENGH 101	3	Elective	3	
UNIV 100	1			
Total:	15 credits	Total:	14 credits	

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
CHEM 313	3	CHEM 314	3	*S.B.S. = Social
CHEM 315	2	CHEM 318	2	and Behavioral
PHYS 243 or 160	3	CHEM 321	4	Science
PHYS 244 or 161	1	PHYS 245 or 260	3	
MATH 213	3	PHYS 246 or 261	1	
S.B.S. Req.	3	IT Req.	3	
Total:	15 credits	Total:	16 credits	

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
CHEM 331	3	CHEM 332	3	*G.U. = Global
CHEM 336	2	CHEM 337	2	Understanding
G.U. Req.	3	ENGH 302	3	*N.W.C. = Non-
Foreign Language	3	Fine Art Req.	3	Western Culture
N.W.C. Req.	3	Foreign Language	3	
Total:	14 credits	Total:	14 credits	

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
CHEM Elective	2	CHEM Elective	3	*S.B.S.II = Second
S.B.S.II Req.	3	Synthesis Req.	3	Social and
Foreign Language	3	Foreign Language	3	Behavioral
Lit. Req.	3	Elective	3	Science
PHIL/REL Req.	3	Elective	4	*PHIL/REL =
Elective	3			Philosophy and
Total:	17 credits	Total:	16 credits	Religious Studies

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