

**GEORGE MASON UNIVERSITY**  
**COLLEGE OF SCIENCE**  
**B.S. DEGREE IN ATMOSPHERIC SCIENCES (122 Research I, 703-993-5394)**  
<https://cos.gmu.edu/aoes/academics/atmos-sci/>  
**2017-2018 CATALOG**

	<u>Department(s) &amp; Course #(s)</u>	<u>Completed/ Grade(s)</u>	<u>Needed</u>
<b><u>MASON CORE REQUIREMENTS (27)</u></b>			
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 <b>MATH 113 and STAT 250</b> )			
d. Literature (3)		____	____
e. Arts (3)		____	____
f. Western Civilization (3)		____	____
g. Social & Behavioral Science (3)		____	____
h. Natural Science (satisfied by <b>major requirements</b> )			
i. Global Understanding (3)		____	____
j. Information Technology ( <b>may be satisfied by completion of major requirements</b> )			
k. Synthesis (may be satisfied by completion of major requirements) (3)		____	____

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

**ATMOSPHERIC SCIENCE CORE (24 hours required)**

a. <b>CLIM 102</b> (4)		a. _____	_____
b. <b>CLIM 111, CLIM 112</b> (3,1)		b. _____	_____
c. CLIM 301 (4)		c. _____	_____
d. CLIM 408 (3) (writing intensive course)		d. _____	_____
e. CLIM 411 (3)		e. _____	_____
f. CLIM 429 (3)		f. _____	_____
g. PHYS 475 (3)		g. _____	_____

**A GPA of at least 2.00 is required for all core courses, with an overall GPA of at least 2.50**

**OTHER SCIENCE, COMPUTER SCIENCE, MATHEMATICS, STATISTICS (29-30 hours required)**

a. <b>CHEM 211, 213</b> (3,1)		a. _____	_____
b. PHYS 160, PHYS 161 (3,1)		b. _____	_____
c. PHYS 260, PHYS 261 (3,1)		c. _____	_____
d. <b>CS 112</b> (4) or <b>CDS 130</b> (3)		d. _____	_____
e. <b>MATH 113</b> (4)		e. _____	_____
f. MATH 114 (4)		f. _____	_____
g. MATH 213 (3)		g. _____	_____
h. <b>STAT 250</b> (3)		h. _____	_____

**OPTIONS Select one of the following: (9 hours required)**

<b>a. Meteorology Option (9)</b>			
1. CLIM 312 or GGS 312 (3) (circle choice)		1. _____	_____
2. CLIM 314 or GGS 314 (3) (circle choice)		2. _____	_____
3. CLIM 319 or GGS 319 (3) (circle choice)		3. _____	_____
<b>b. Computational Atmospheric Sciences Option (9)</b>			
1. CLIM 440 or CLIM 470 (3) (circle choice)		1. _____	_____
2. CDS 251 or CDS 301 or CDS 302 or CDS 303 (3) (circle choice)		2. _____	_____
3. MATH 214 (3)		3. _____	_____

**REQUIRED ELECTIVES (9)** The 9 credits of required electives must be chosen from this list and be independent of courses taken in the selected option (meteorology or computational atmospheric sciences) (list courses)

CLIM 312 (3) or GGS 312; CLIM 314 (3) or GGS 314 (3); CLIM 319 (3) or GGS 319 (3); CLIM 409 (3); CLIM 412 (3); CLIM 429 (3); CLIM 438 (3); CLIM 440 (3); CLIM 470 (3); GEOL 420 (3); CDS 251 (3); CDS 301 (3); GGS 354 (3); GGS 455 (3); GGS 456 (3); MATH 214 (3)

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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)

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**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.S. Atmospheric Science

2018 - 2019

FALL YEAR 1	CREDITS	SPRING YEAR 1	CREDITS	NOTES
MATH 113	4	MATH 114	4	*can be
CLIM 111	3	CDS 130 or CS 112	3 or 4	substituted for
CLIM 112	1	CLIM 102	4	a different core
COMM 100 or 101*	3	ENGH 101*	3	requirement.
SOCI 101*	3			1. CS 112 will also
UNIV 100	1			Require CS 105 or
Total:	15 credits	Total:	14 or 15 credits	CDS 151.

FALL YEAR 2	CREDITS	SPRING YEAR 2	CREDITS	NOTES
MATH 213	3	CHEM 211	3	1. CS 105/CDS
PHYS 160	3	CHEM 212	1	151 are not
PHYS 161	1	PHYS 260	3	necessary if CDS
CLIM 301	4	PHYS 261	1	130 is taken.
ARTH 101*	3	CLIM Elective	3	2. CLIM electives
CS 105 or CDS 151	1	STAT 250	3	include CLIM 314,
		Lit. Requirement*	3	GGs 312, or
Total:	15 credits	Total:	17 credits	CLIM 456.

FALL YEAR 3	CREDITS	SPRING YEAR 3	CREDITS	NOTES
CLIM 429	3	CLIM 411	3	1.Course option in
MATH 214	3	HIST 100 or 105*	3	fall: CDS 251, 301, 303
Course from option	3	CDS 302	3	2. CDS 302 not req.
CLIM 319 or 412	3	CLIM Elective	3	if a CDS course taken
ENGH 302	3			in fall.
				4. Spring Elective:
				CLIM 314, GGS 312,
Total:	15 credits	Total:	12 credits	or CLIM 456.

FALL YEAR 4	CREDITS	SPRING YEAR 4	CREDITS	NOTES
GEOL 420 (Synth.)	3	CLIM 440	3	1. Fall elective: CLIM
CLIM 470	3	PHYS 475	3	319, 412, or 409.
GGs 101*	3	CLIM 408	3	2.Spring elective:
CLIM Elective	3-6	CLIM Elective	3	CLIM 314, 409, 456 or
Total:	12-15 credits	Total:	12-15 credits	GGs 312.

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