

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/>
2015-2016 CATALOG

	Department(s) & Course #(s)	Completed/ Grade(s)	Needed
<u>MASON CORE REQUIREMENTS (27)</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 (partially satisfied by completion of major requirements)		___	___
k. Synthesis (may satisfied by completion of major requirements) (3)		___	___

Go to: <http://masoncore.gmu.edu/> to link to information on Mason Core requirements.

ATMOSPHERIC SCIENCE CORE (24 hours required)

a. CLIM 102 (4)		a. ___	___
b. CLIM 111, CLIM 112 (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. ___	___

OTHER SCIENCE, COMPUTER SCIENCE, MATHEMATICS, STATISTICS (27 hours required)

a. CHEM 211(4)		a. ___	___
b. PHYS 160, PHYS 161 (3,1)		b. ___	___
c. PHYS 260, PHYS 261 (3,1)		c. ___	___
d. CS 112 (4)		d. ___	___
e. MATH 113 (4)		e. ___	___
f. MATH 114 (4)		f. ___	___
g. STAT 250 (3)		g. ___	___

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

a. Meteorology Option (9)			
1. CLIM 312 (3) or GGS 312 (3) (circle choice)		1. ___	___
2. CLIM 314 (3) or GGS 314 (3) (circle choice)		2. ___	___
3. CLIM 319 (3) or GGS 319 (3) (circle choice)		3. ___	___
b. Computational Atmospheric Sciences Option (9)			
1. CLIM 440 (3) or CLIM 470 (3) (circle choice)		1. ___	___
2. CDS 251 (3)		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 353 (3); GGS 354 (3); GGS 455 (3); GGS 456 (3); MATH 214 (3)

<u>GENERAL ELECTIVES (10-12)</u>		___	___
		___	___
		___	___

MINIMUM HOURS TO GRADUATE: 120

UPPER DIVISION HOURS (minimum 45):

COURSE LISTS (ATMOSPHERIC SCIENCES)

Mason Core Requirements

Written Communication: ENGH 101 (or 100) and ENGH 302

Oral Communication: COMM 100 or COMM 101

Quantitative Reasoning: **MATH 113**. The Math Placement Test is required to take MATH 113. See this web site for more information: http://math.gmu.edu/placement_test.php

Literature: ARAB 325; CHIN 310, 311, 325, 328; CLAS 250, 260, 340, 350, 360, 380; ENGH 201, 202, 203, 204; FREN 325, 329; FRLN 330; GERM 325; ITAL 320, 325; JAPA 340; PHIL 253; RELI 235; RUSS 325, 326, 327; SPAN 325

Arts: ARTH 101, 102, 103, 200, 201, 203, 204, 321, 322, 324, 333, 334, 335, 340, 341, 342, 344, 345, 360, 362, 370, 372, 373, 376; AVT 103, 104, 215, 222, 232, 243, 252, 253, 262, 272; DANC 101, 119, 125, 131, 145, 161, 225, 231, 245, 301, 325, 331, 345, 425, 445, 390, 391; ENGH 370, 372, 396; FAVS 225; GAME 101; MUSI 100, 101, 102, 107, 280, 301, 302, 380, 381, 382, 383, 384, 385, 387, 389, 485; PHIL 156; THR 101, 150, 151, 210, 230, 395, 411, 412.

Western Civilization: HIST 100 or 125; transfer students may substitute: the following courses for HIST 100: HIST 101, 102, 301, 302, 304, 305, 306, 308, 309, 312, 314, 322, 388, 435, 436, 480; and the following courses for HIST 125: HIST 202, 387.

Social and Behavioral Sciences: AFAM 200; ANTH 114, 120, 135, 363, 372, 396; BUS 100; CONF 101; CONS 410; CRIM 100; ECON 100, 103, 104, 105, 367; EDUC 372; GGS 103; GOVT 101, 103, 367; HEAL 230; HIST 121, 122; LING 306; PSYC 100, 211, 231; SOCI 101, 352, 355; TOUR 311; WMST 200

Natural Sciences: **CLIM 102; CLIM 111/112**

Global Understanding: ANTH 302, 306, 307, 308, 309, 311, 312, 313, 316, 331, 332; ARTH 319, 320, 380, 382, 383, 384, 385, 386; BUS 200; CEIE 100; COMM 305, 456; CRIM 405; DANC 118, 318, 418; ECON 360, 361, 362, 380, 390; ENGH 362, 366; FAVS 300; FRLN 331; GCH 205; GGS 101; GLOA 101; GOVT 132, 133; HIST 251, 252, 261, 262, 271, 272, 281, 282, 328, 329, 356, 357, 358, 360, 364, 365, 387, 460, 462; JAPA 310; MUSI 103, 431; PHIL 243; PSYC 379; RELI 100, 211, 212, 313, 315, 320, 322, 341, 374; RUSS 354; SOCI 120, 320, 332; SPAN 322, 466; SYST 202; THR 359, TOUR 210; WMST 100

Information Technology: **CS 112; one of the following**: CDS 151, CEIE 409, CS 105, ENGR 107, IT 304, PHIL 112, CDS 130 (CDS 151 or CS 105 recommended)

Synthesis: ANTH 400; ARTH 394; AVT 385, 497, 498; BENG 492, 493; BINF 354; BIOL 301; BIS 490; BUS 498; CEIE 490; COMM 326, 362, 454; CONF 490; CONS 490, 491; CRIM 495; CS 306; DANC 490; ECE 492, 493; ECON 309; EDCI 490; EVPP 335, 480; FAVS 352; FRLN 385; GAME 490; GCH 465; **GEOL 420**; GGS 303, 304; GOVT 490, 491; HAP 465; HDFS 400; HIST 300, 499; IT 492; LAS 499; MATH 400; MUSI 490; NCLC 308; NURS 465; PHIL 309, 343, 377, 378, 379; PHYS 346; PROV 342; PSYC 405, 406, 427; RELI 490; RUSS 353; SOCI 377, 483; SOCW 375; SPAN 388; SYST 495; THR 440, 496

