Sample Plan of Study

Meteorology Option

1st Year – Freshman Year

Fall Semester		Spring Semester	
MATH 113 Analytic Geom and Calc I[1]	4	MATH 114 Analytic Geom and Calc II	4
CLIM 111 Intro Fund Atmos Sci	3	CS 112 Intro Comp Program[2] **or** CDS 130 Computing for Scientists	3-4
CLIM 112 Intro Fund Atmos Sci Lab	1	CLIM 102 Intro Global Clim Change Sci	4
COMM 101 Interpersonal & Group Interact.	3	ENGH 101 Composition	3
SOCI 101 Introductory Sociology	2		
UNIV 100 Introduction to Mason	2		
Total Credits	16		14-15

[1] A placement test is required (visit http://math.gmu.edu/placement_test.php or email Catherine Sausville at csausvil@gmu.edu)

[2] An additional information technology ethics course must be taken in order to completely fulfill the Mason Core: Information Technology requirement. Recommended courses include either CDS 151 or CS 105.

2nd Year - Sophomore Year

Fall Semester		Spring Semester	
MATH 213 Analytic Geom and Calc. III	3	CHEM 211 General Chemistry I and CHEM 213 General Chemistry I Lab	4
PHYS 160 University Physics I	3	PHYS 260 University Physics II	3
PHYS 161 University Physics I Lab	1	PHYS 261 University Physics II Lab	1
CLIM 301 Weather Analysis and Prediction	4	CLIM Option[4]	3
ENGH 302 Advanced Composition	3	STAT 250 Introductory Statistics	3
CS 105 Computer Ethics and Society[3] **or** CDS 151 Data Ethics in an Inform Society[3]	1	Literature requirement	3
Total Credits	15	Total Credits	17

[4] One of the following: CLIM 314 Severe and Extreme Weather, GGS 312 Physical Climatology, CLIM 456 Introduction to Atmospheric Radiation

3rd Year - Junior Year

Fall Semester		Spring Semester	
CLIM 429 Atmospheric Thermodynamics	3	CLIM 411 Atmospheric Dynamics	3
CLIM 319 Air Pollution	3	HIST requirement	3
CLIM Elective[5]	3	CLIM option[4]	3
Arts Requirement	3	CLIM elective[6]	3
Total Credits	**12**	Total Credits	**12**

[5]One of the following: CLIM 412 Physical Oceanography, CDS 251 Introduction to Scientific Programing, MATH 214 Elementary Differential Equations, CDS 301 Scientific Information and Data Visualization
[6]One of the following: CLIM 440 Climate Dynamics, CLIM 409 Research Internship

4th Year - Senior Year

Fall Semester		Spring Semester	
GEOL 420 Earth Science and Policy[7]	3	PHYS 475 Atmospheric Physics	3
CLIM Elective[5,8]	3-6	CLIM 408 Senior Research[9]	3
Global Understanding requirement	3	CLIM elective[6]	3-6
Total Credits	**9-12**	Total Credits	**9-12**

[7]Mason Core: Synthesis course
[8]One of the following: CLIM 470 Numerical Weather, CLIM 409 Research Internship
[9] Writing Intensive (WI) course in the major