

# Sample Plan of Study

## Meteorology Option

### 1<sup>st</sup> Year – Freshman Year

Fall Semester		Spring Semester	
MATH 113 Analytic Geom and Calc I <sup>1</sup>	4	MATH 114 Analytic Geom and Calc II	4
CLIM 111 Intro Fund Atmos Sci	3	CS 112 Intro Comp Program <sup>2</sup> <b>or</b> 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	1		
Total Credits	<b>15</b>		<b>14-15</b>

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

<sup>2</sup> 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.

### 2<sup>nd</sup> 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 <sup>4</sup>	3
ENGH 302 Advanced Composition	3	STAT 250 Introductory Statistics	3
CS 105 Computer Ethics and Society <sup>3</sup> <b>or</b> CDS 151 Data Ethics in an Inform Society <sup>3</sup>	1	Literature requirement	3
Total Credits	<b>15</b>	Total Credits	<b>17</b>

<sup>4</sup>One of the following: CLIM 314 Severe and Extreme Weather, GGS/CLIM 312 Physical Climatology or CLIM 440 Atmospheric Dynamics

### 3<sup>rd</sup> 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 <sup>5</sup>	3	CLIM option <sup>4</sup>	3
Arts Requirement	3	CLIM elective <sup>6</sup>	3
Total Credits		Total Credits	
<b>12</b>		<b>12</b>	

<sup>5</sup>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

<sup>6</sup>One of the following: CLIM 409 Research Internship, CLIM 456 Introduction to Atmospheric Radiation

### 4<sup>th</sup> Year - Senior Year

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

<sup>7</sup>Mason Core: Synthesis course

<sup>8</sup>One of the following: CLIM 470 Numerical Weather, CLIM 409 Research Internship

<sup>9</sup> Writing Intensive (WI) course in the major