

# Geography BS – Physical Geography Detailed Requirements Table

(1) ALL UMass Geography undergraduate degrees include a set of core courses including 2 intro classes (one human geography, one physical geography) and 4 skills and techniques courses, including writing, field methods, statistics, and mapping/GIS.

(2) BS student do NOT need to fulfill the College of Natural Sciences foreign language requirement.

For more information on the UMass Geography program, visit <http://blogs.umass.edu/umgeog>

Scroll down for the BS requirements.



## Geography BS – Physical Geography

<b>Supporting Sciences (8 Courses)</b>	<b>Credits</b>
Calculus (2 semesters)	6-8
General college physics (2 semesters)	6-8
Chemistry (2 semesters)	6-8
GEOSCI 101 The Earth	4
CMPSCI 121 Introduction to Problem Solving with Computers	4
<b>Introductory Courses ( 2 Courses)</b>	<b>8</b>
GEOGRAPH 102 Diversity, Globalization, and Sustainability: Introduction to Human Geography	
<i>Take <b>ONE</b> introductory physical geography course from the following:</i> GEOGRAPH 100 Earth: Introduction to Physical Geography –OR- GEOGRAPH 110 Global Environmental Change –OR- GEOGRAPH 150 The Earth Transformed: World Environmental Issues	
<b>Skills &amp; Techniques (4 Courses)</b>	<b>12</b>
GEOGRAPH 314 Writing in Geography (required; fulfills Junior Year Writing)	
GEOGRAPH 486 Field Methods in Geography (required; fulfills integrative experience req.)	
<i>Take <b>ONE</b> Statistics course from the following:</i> GEOGRAPH 340 Quantitative Methods -OR- STATISTIC 240 Intro to Statistics –OR- RES-ECON 212 Intro to Statistics for Social Science –OR- SOCIOLOGY 212 Elementary Statistics	
<i>Take <b>ONE</b> spatial methods class from the following:</i> GEOGRAPH 352 Computer Mapping -OR- GEOGRAPH 426 Introduction to Remote Sensing -OR- GEOGRAPH 468 Introduction to GIS/GEOGRAPH 597G Introduction to GIS	
<b>Advanced Physical Geography Courses (3 Courses)</b>	<b>9</b>
GEORAPH 354 Climatology GEOSCI 560 Geomorphology <i>and one advanced physical geography course, such as:</i> GEOGRAPH 468 Climate Change GEOSCI 590G Topics in Geomorphology GEOSCI 591C Introduction to Climate Modeling GEOSCI 595D Oceans and Climate	
<b>Upper-Division Elective Courses (4 Courses)</b>	<b>12</b>
Students take 12 credits in Geography/cognate courses numbered 200 and above. These courses are chosen in consultation with the chief undergraduate adviser. Up to two courses may be approved cognate courses. Students may choose electives from the methods and skills courses (see list above) which they have not used to fulfill those requirements, may use any other GEOGRAPH courses, and may also take cognate elective courses outside of the Geography Program with the approval of the undergraduate adviser. Up to 3 credits may be independent study and an additional 3 credits may be senior thesis credits.	