

CHECK SHEET
GEOGRAPHY MAJOR: METEOROLOGY (B.S.)
 Major Code BS 4238

The following interdisciplinary program in the Departments of Geography, Mathematics, and Physics can prepare you for graduate training in meteorology, climatology, and atmospheric physics. Work with your advisor to develop a plan to complete both University General Education Requirements, as well as courses within your major. Within the major, be aware of course prerequisites, and frequency of course offerings. Students may wish to consider a double major or a minor in Math or Physics, especially if considering graduate school.

Geography Requirements	<u>Prerequisites</u>	<u>Quarters Offered</u>
___ GEOG 101: Physical Geography		F, W, S, Su
___ GEOG 121: Human Geography		F, W, S, Su
___ GEOG 268: Intro to GIS and Mapping Sciences		F, W, S
___ GEOG 271: Intro to Statistics in Geography		F

Technique Course (choose one)

___ GEOG 365: Air Photo Interpretation.....	GEOG 101, Jr.....	W
or GEOG 466: Principles of Remote Sensing.....	GEOG 268	TBA
or GEOG 478: Principles of GIS	GEOG 268	TBA

Meteorology Core

___ GEOG 302: Meteorology.....	GEOG 101	F, W
___ GEOG 303: Climatology.....	GEOG 302, GEOG 271 or MATH 250	S odd yrs
___ GEOG 304: Observ. In Meteorology.....	GEOG 302	F, W, S, Su
___ GEOG 305: Pract. In Meteorological Forecasting	GEOG 304	F, W, S, Su
___ GEOG 310: Physical Meteorology.....	GEOG 302, MATH 263B, PHYS 251.....	W odd yrs
___ GEOG 406: Intro to Synoptic Meteorology.....	GEOG 305	W
___ GEOG 407: Advanced Synoptic Meteorology	GEOG 406	S
___ GEOG 408: Dynamic Meteorology I.....	MATH 263D 340 and PHYS 411 or CONC..	W even yrs
___ GEOG 409: Dynamic Meteorology II.....	GEOG 408	S even yrs

Mathematics

___ MATH 263A: Calculus.....	MATH 115 or placement level 3.....	F, W, S
___ MATH 263B: Calculus.....	C or better in MATH 263A.....	F, W, S
___ MATH 263C: Calculus.....	C or better in MATH 263B.....	F, W, S
___ MATH 263D: Calculus	C or better in MATH 263C.....	F, W, S
___ MATH 340: Differential Equations.....	C or better in MATH 263C.....	F, W, S

Physics

___ PHYS 251: General Physics.....	C- or better in MATH 263A or 263B.....	F, W, S
___ PHYS 252: General Physics.....	PHYS 251 and MATH 263B	F, W, S
___ PHYS 253: General Physics.....	PHYS 252	F, W, S
___ PHYS 411: Thermodynamics.....	PHYS 253; MATH 340.....	F

Other

___ CHEM 151: Fundamentals of Chemistry	MATH 113 or placement level 2 or higher,.....	F, W, S
	passing score on chemistry placement test	
___ CS 210: Programming in C.....	MATH 113.....	F, W, S

Recommended (but not required) Courses

Students pursuing further graduate study may wish to consider the following courses:

___ MATH 440: Vector Analysis.....	MATH 263D	F, W
___ MATH 441: Fourier Series and Part. Diff. Equations.....	MATH 340 and 263D.....	S
___ PHYS 311: Mechanics	PHYS 253; MATH 340.....	F
___ PHYS 312: Mechanics	PHYS 311	F, W
___ GEOL 101: Introduction to Geology.....		F, W, S
___ GEOL 211: Oceanography		F, S