

Major: Geological Sciences

(Atmospheric Science Option)

Offered by: Department of Earth and Atmospheric Sciences

1123 Bradfield Hall, 255-3034, www.eas.cornell.edu

Introduction to Engineering Courses

ENGR1 1XX (to be chosen from the list of Introduction to Engineering courses)

Engineering Distributions

ENGRD 270 Basic Engineering Probability and Statistics (required)

ENGRD 2XX (to be chosen from the list of engineering distribution courses)

Required Major Courses

EAS 131 Basic Principles of Meteorology

EAS 133 Basic Meteorology Lab

EAS 250 Meteorological Observations and Instruments

EAS 331 Climate Dynamics

EAS 341 Atmospheric Thermodynamics and Hydrostatics

EAS 342 Atmospheric Dynamics

EAS 352 Synoptic Meteorology I

EAS 435 Statistical Methods in Meteorology and Climatology

EAS 447 Physical Meteorology

EAS 451 Synoptic Meteorology II

Electives

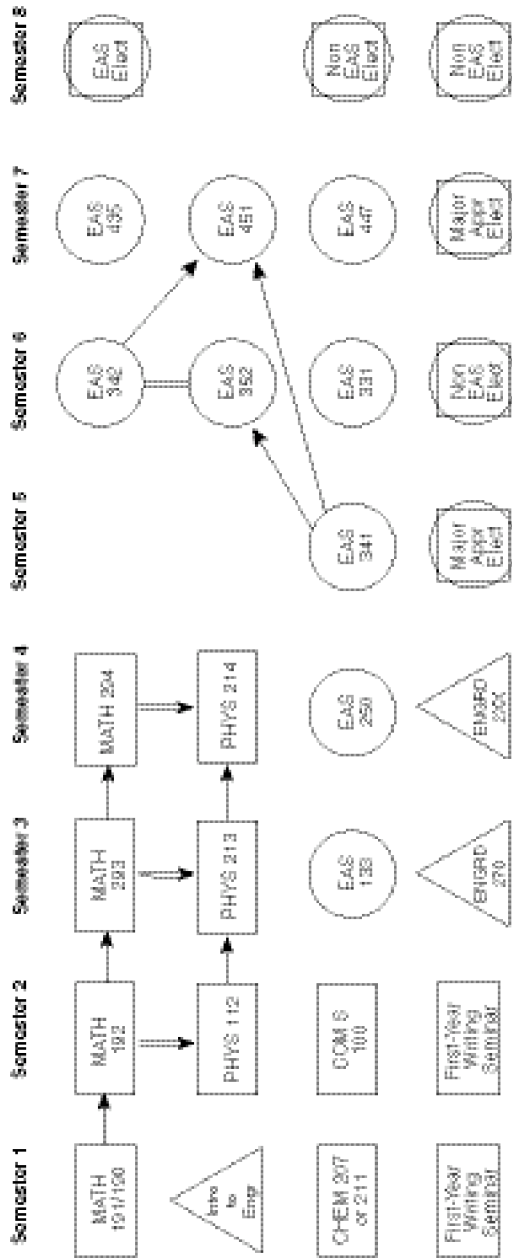
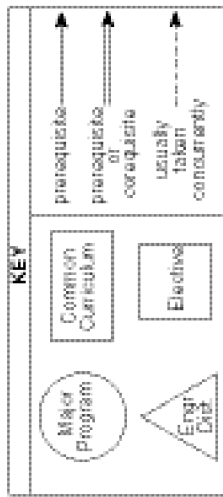
One additional EAS course at or above the 300 level

Three non-EAS courses at or above the 300 level

Two Major-approved electives at or above the 300 level

GEOLOGICAL SCIENCES MAJOR (Geo S) Atmospheric Science Option

Note: Courses in this path are sequential and may be rearranged



Geological Sciences Major Checklist

Science of Earth Systems Option

	<i>Min.</i> Credit Hours	✓ When Done
MATH 191	4	n
MATH 192	4	n
MATH 293	4	n
MATH 294	4	n
CHEM 207 (or 211 or 215)	4	n
PHYS 112 (or 116)	4	n
PHYS 213 (or 217)	4	n
PHYS 214 (or 218)	4	n
COM S 100	4	n
Intro. to Engr.: ENGR1 1XX	3	n
Engr. Dist. 1: ENGRD 270 (required)	3	n
Engr. Dist. 2:	3	n
First-Year Writing Seminar 1†	3	n
First-Year Writing Seminar 2	3	n
Liberal Studies Distribution—6 courses (18-credit minimum)§		
Lib. Studies 1		n
Lib. Studies 2		n
Lib. Studies 3		n
Lib. Studies 4		n
Lib. Studies 5		n
Lib. Studies 6		n
Approved Elective (2 courses; 6-credit minimum)		n
Approved Elective		n
Physical Education (2 semesters) and swim test		
Required Major Courses (48-credit min.)#		
EAS 131	3	n
EAS 133	1	n
EAS 250	3	n
EAS 331	4	n
EAS 341	3	n
EAS 342	3	n
EAS 352	3	n
EAS 435	3	n
EAS 447	3	n
EAS 451	3	n
Electives		
EAS Elective (3XX or above)	3/4	n
Major-Approved Elective	3/4	n
Major-Approved Elective	3/4	n
Non-EAS Elective (3XX or above)	3/4	n
Non-EAS Elective (3XX or above)	3/4	n
Non-EAS Elective (3XX or above)	3/4	n
Total Required Credits	123 min.	_____
Additional Elective Courses (0 credits min., no max.)		n

#In addition to the first-year writing seminars, a technical writing course must be taken as an engineering distribution, liberal studies, approved elective, or Major course.

§Approved courses must be chosen from at least three of the following six groups: (1) Cultural Analysis (CA), (2) Historical Analysis (HA), (3) Literature and the Arts (LA), (4) Knowledge, Cognition, and Moral Reasoning (KCM), (5) Social and Behavioral Analysis (SBA), (6) Foreign Languages (not literature courses). At least two courses must be from the first three groups (CA, HA, LA). At least two of the six courses must be at 200-level or higher.

#Nine credits of major-complementary courses must be outside the major.