

MASTER OF SCIENCE IN ATMOSPHERIC SCIENCE

A. UNDERGRADUATE PREREQUISITE SUBJECTS

Prospective students of the M.S. Atmospheric Science program should have an undergraduate degree in the natural sciences or engineering and should have taken a minimum of 18 undergraduate units or equivalent in the major field in which the student intend to pursue graduate work.

B. REQUIRED (CORE) COURSES

UNITS

AS 201	Foundations of Atmospheric Science	3
AS 230	Mathematical Methods for Atmospheric Science	3
PS 230	Geophysical Fluid Dynamics	3
PS 231	Computational Models for the Environment	3
PS 232	Physical Meteorology	3
PS 233	Dynamic Meteorology	3
TOTAL:		18

C. ELECTIVES

Choose a minimum of **6 units** from the courses listed below, with the approval of the Academic Adviser.

AS 204	Synoptic Meteorology	3
AS 205	Tropical Meteorology	3
AS 211	Climatology	3
AS 221	Boundary Layer Dynamics	3
AS 232	Computational Models for the Environment II	3
AS 243	Atmospheric Chemistry	3
AS 260.XX	Special Topics	3
AS 270.X	Advanced Research Laboratory	3
PS 241	Fundamentals of Air Pollution	3
PS 242	Physics of the Environment and Climate	3
PS 243	Remote Sensing and Environmental Mapping	3
TOTAL:		6

D. GRADUAT SEMINAR

AS 280.X	Seminar	1
TOTAL:		1

E. COMPREHENSIVE EXAMINATIONS

PS COMPRE 200 Comprehensive Examinations

F. THESIS WRITING AND ORAL DEFENSE

Units for the thesis are credited after the student passes the oral defense and submits the final revised copy of the thesis.

AS 291	Thesis 1 – Research Design	0
AS 292	Thesis 2 – Thesis Writing and Defense	0
TOTAL:		6

SUMMARY

Required Subjects	18	Units
Electives	6	Units
Graduate Seminar	1	Unit
Comprehensive Examinations	---	
Thesis Writing and Oral Defense	6	Units
TOTAL:	31	Units