

M.S. Degree in Geosciences Concentration: Broadcast Meteorology

List of Required Courses

Required Meteorology Courses

GR 6402	Weather Analysis I
GR 6412	Weather Analysis II
GR 6422	Weather Forecasting I
GR 6432	Weather Forecasting II
GR 6502	Practicum in Broadcast Meteorology I
GR 6512	Practicum in Broadcast Meteorology II
GR 6522	Practicum in Broadcast Meteorology III
GR 6532	Practicum in Broadcast Meteorology IV
GR 6613 / 8990	Applied Climatology
GR 6623	Physical Meteorology
GR 6633 / 8990	Statistical Climatology
GR 6733	Synoptic Meteorology (Prerequisite Calculus I)
GR 6753 / 8990	Satellite & Radar Meteorology
GR 6823	Dynamic Meteorology I (Prerequisite Calculus II)
GR 6943 / 8990	Mesoscale Meteorology (Prerequisite Calculus II)

Other Required Department Courses

GR 6203	Geography of North America
GR 6813 / 8990	Natural Hazards
GG 6613	Water Resources
GR 8553	Research Methods

Free Elective

Students are required to select one free three-credit elective. A student who does not have any undergraduate background in communication is strongly encouraged to select a television production course. All other students may select a course at the graduate or undergraduate level to supplement their current program of study.

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2-Year Schedule of Courses

Year 1 Fall Semester	Hours	Year 1 Spring Semester	Hours
Weather Analysis I	2	Weather Analysis II	2
Practicum in Broadcast Met. I	2	Practicum in Broadcast Met. II	2
Synoptic Meteorology	3	Physical Meteorology	3
Statistical Climatology	3	Applied Climatology	3
Research Methods	3	Broadcast Elective *	3
Total	13	Total	13

Year 2 Fall Semester	Hours	Year 2 Spring Semester	Hours
Weather Forecasting I	2	Weather Forecasting II	2
Practicum in Broadcast Met. III	2	Practicum in Broadcast Met. IV	2
Dynamic Meteorology I	3	Mesoscale Meteorology	3
Satellite and Radar Meteorology	3	Natural Hazards	3
Water Resources	3	Geography of North America	3
Total	13	Total	13