Name: _____ **Catalog:** _____

Curriculum and Recommended Schedule --- B.S. in METEOROLOGY

First Year

FALL Semester		SPRING Semester	
METR 1102 Introduction to Meteorology	3	MATH 1242 Calculus II	3
METR 1102L Introduction to Meteorology Lab	1	PHYS 2101 Physics for Science I	3
MATH 1241 Calculus I	3	PHYS 2101L Physics for Science I - Lab	1
CHEM 1251 General Chemistry	3	1501 Global - Social Science (Recommend: ESCI 1501)	3
CHEM 1251L General Chemistry Lab	1	1502 Global - Arts Humanities	3
WRDS 1103 or 1104 Writing and Inquiry	3	1511 Local - Social Science	3
Fall Semester Total	14	Spring Semester Total	16

Second Year

METR 3140 Fundamentals of Meteorology	3	METR 3210 Atmospheric Thermodynamics	3
ESCI 3101 Global Environmental Change	3	METR 4105 Meteorological Computer Apps	3
MATH 2241 Calculus III	3	MATH 2171 Differential Equations	3
PHYS 2102 Physics for Science II	3	1512 Local - Arts Humanities	3
PHYS 2102L Physics for Science II - Lab	1	CTCM 2530 Critical Thinking Communication	3
Fall Semester Total	14	Spring Semester Total	15

Third Year

METR 3245 Synoptic Meteorology	4	METR 3250 Dynamic Meteorology	3
METR 3220 Physical Meteorology	3	METR 4205 Climate Dynamics	3
STAT 2122 Intro to Probabilty and Statistics *	3	METR 4650 Meteorology Professional Seminar	3
General Elective	3	General Elective	3
FORL 1201 (or proficiency)	3	FORL 1202 (or proficiency)	3
Fall Semester Total	16	Spring Semester Total	15

Fourth Year

METR 4245 Adv Synoptic Meteorology	3	Restricted Major Elective **	3
METR 4250 Adv Dynamic Meteorology	3	Restricted Major Elective **	3
Restricted Major Elective **	3	General Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3
Fall Semester Total	15	Spring Semester Total	15

B.S. Meteorology Requirement	
General Education Requirement	Red

BS Meteorology Degree total hours	72
UNC Charlotte Required total hours	120

Restricted Major Electives - Typical Fall Offerings		Restricted Major Electives - Typical Spring Offerings	
METR 4110 Atmospheric Instrumentation **	3	METR 3330 Weather Forecasting ***	3
METR 4320 Tropical Meteorology	3	METR 3340 Weather Communications	3
ESCI 4201 Hydroclimatology	3	METR 4350 Mesoscale Meteorology ***	3
ESCI 3220 Air Quality	3	ESCI 3205 Water Resources	3
ESCI 4170 Fundamentals of Remote Sensing	4	ESCI 4222 Watershed Science	3
ESCI 4140 Hydrologic Processes	3	ESCI 4155 Fluvial Processes	4
ESCI 4170 Fundamentals of Remote Sensing	4		
ESCI 3105 Oceanography	3		
GEOG 4110 GIS for Non-Majors	3		

NOTE: This advising sheet is valid for students who declared as a major in the Fall 2023 term or later.

* Acceptable alternatives include STAT 3122, MATH 3122, or ESCI 4122 Statistics and Data Analysis in the Earth Sciences

**** Students interested in employment as a broadcast meteorologist (e.g., TV stations) or with the federal government (e.g., the National Weather Service) must take METR 4110 Atmospheric Instrumentation**

*** METR 3330 Weather Forecasting and METR 4350 Mesoscale Meteorology are taught in alternate spring semesters