

# ACADEMIC MAP

## ATMOSPHERIC SCIENCES - BROADCAST METEROLOGY BACHELOR OF SCIENCE

Bachelor of Science

START HERE



**1**

SEMESTER 1 - FALL	CREDITS	COMPLETED
UNIV 1101 UNIVERSITY SEMINAR I	1	✓
COMM 1311 FOUNDATION OF COMMUNICATION	3	
CHEM 1411 GENERAL CHEMISTRY I	4	
POLS 2305 U.S. GOVERNMENT AND POLITICS	3	
HIST 1301 U.S. HISTORY TO 1865	3	

TOTAL CREDITS: 14

**2**

SEMESTER 2 - SPRING	CREDITS	COMPLETED
UNIV 1102 UNIVERSITY SEMINAR II	1	
ENGL 1301 WRITING AND RHETORIC I	3	
ATSC 2403 INTRODUCTION TO METEOROLOGY (OR ATSC 3403)	4	
POLS 2306 STATE AND LOCAL GOVERNMENT	3	
MATH 2413 CALCULUS I	4	
HIST 1302 U.S. HISTORY SINCE 1865	3	

TOTAL CREDITS: 18

YEAR 1

**3**

SEMESTER 3 - FALL	CREDITS	COMPLETED
MATH 2414 CALCULUS II	4	
PHYS 2425 UNIVERSITY PHYSICS I	4	
MEDA 2311 MEDIA WRITING	3	
ATSC 2101 WEATHERCASTING	1	
LANGUAGE, PHILOSOPHY & CULTURE CORE REQUIREMENT	3	

TOTAL CREDITS: 15

**4**

SEMESTER 4 - SPRING	CREDITS	COMPLETED
MATH 2415 CALCULUS III	4	
PHYS 2426 UNIVERSITY PHYSICS II		
ATSC 2301 WEATHER OBSERVATIONS	3	
ATSC 2302 INTRODUCTION OF DATA ANALYSIS IN ATMOSPHERIC SCIENCES	3	

TOTAL CREDITS: 14

YEAR 2

**5**

SEMESTER 5 - FALL	CREDITS	COMPLETED
MATH 3311 LINEAR ALGEBRA	3	
ATSC 3305 PHYSICAL METEOROLOGY	3	
ATSC 3306 ATMOSPHERIC THERMODYNAMICS	3	
MEDA 2350 MEDIA PERFORMANCE	3	
CREATIVE ARTS CORE REQUIREMENT	3	

TOTAL CREDITS: 15

**6**

SEMESTER 6 - SPRING	CREDITS	COMPLETED
MATH 3315 DIFFERENTIAL EQUATIONS	3	
ATSC 3401 SYNOPTIC METEOROLOGY	4	
ATSC 4335 CLIMATE AND CLIMATE VARIABILITY	3	
ATSC ELECTIVE	3	
SOCIAL AND BEHAVIORAL SCIENCES CORE REQUIREMENT	3	

TOTAL CREDITS: 16

YEAR 3

**7**

SEMESTER 7 - FALL	CREDITS	COMPLETED
MATH 3345 STATISTICAL MODELING AND DATA ANALYSIS	3	
ATSC 4301 DYNAMIC METEOROLOGY I	3	
ESCI 4360 PHYSICAL OCEANOGRAPHY	3	
UL ATSC ELECTIVE	4	

TOTAL CREDITS: 13

**8**

SEMESTER 8 - SPRING	CREDITS	COMPLETED
ATSC 4305 REMOTE SENSING	3	
ATSC 4302 DYNAMIC METEOROLOGY II	3	
ATSC 3402 MESOSCALE METEOROLOGY	4	
ATSC 4498 INTERNSHIP IN ATMOSPHERIC SCIENCE	3	
ELECTIVES AS NEEDED FOR MIN 120	2	

TOTAL CREDITS: 15

YEAR 4

This is not an official degree plan. It is a guideline for planning your courses. To access a copy of this academic map please visit [tamucc.edu/academics/planning/academic-advising/](http://tamucc.edu/academics/planning/academic-advising/)

120 CREDITS | FINISHED!



# CAREER MAP

## ATMOSPHERIC SCIENCES - BROADCAST METEROLOGY BACHELOR OF SCIENCE

### *Bachelor of Science*



The Bachelor of Science program in Atmospheric Sciences addresses the needs of students interested in studying meteorology or climate science. The program provides students with an in-depth knowledge of the physical characteristics, motions and processes of air; as well as the interactions of this protective layer with the underlying oceans and continents. The undergraduate program emphasizes a systems approach, combining traditional atmospheric sciences with emerging fields. In particular, the program focuses on the fields of tropical meteorology and oceanography that are directly linked to the Gulf of Mexico and surrounding coastal regions where the university is strategically located. The atmospheric sciences core provides students with a broad background in meteorology and climate sciences, and satisfy the requirements for federal employment as a National Weather Service meteorologist (also referred to as NOAA GS1340 positions). The students can choose a career track in either general atmospheric sciences or the broadcast meteorology.

## CONTACT INFORMATION

### Career Counselor:

Career and Professional Development Center  
UC 304 | 361.825.2628  
career.center@tamucc.edu

### Internship Coordinator:

Patrick Fitzpatrick  
CS 243 | 361.825.4061  
patrick.fitzpatrick@tamucc.edu

### Department Contact:

Department of Physical and Environmental  
Sciences  
NRC 3500 | 361.825.2814  
richard.coffin@tamucc.edu

## ADDITIONAL SOURCES OF INFORMATION

1. American Meteorological Society
2. National Weather Association
3. World Meteorological Organization

## CAREER OPTIONS

• Research Scientist	• Meteorologist
• Atmospheric Scientist	• Environmental Consultant
• Junior Marine Scientist	• Junior Technologist
• Data Scientist - Weather, Climate and Air Quality	

## STUDENT ORGANIZATIONS

- American Meteorological Society, Islander Student Chapter
- SACNAS Chapter at Texas A&M University - Corpus Christi
- Islander Student Chapter of the American Meteorological Society - Chuntao Liu

## SKILLS/ATTRIBUTES

- Critical Thinking/Problem Solving
- Professionalism/Work Ethic
- Oral/Written Communication
- Digital Technology