

# Texas A & M University-Corpus Christi

## Curriculum Sheet for 2019-2020 Catalog

Degree: **Bachelor of Science**  
 Major: **Atmospheric Sciences**  
 Concentration: **Broadcast Meteorology**

### UNIVERSITY CORE CURRICULUM:

		<u>HRS</u>
_____	COMM 1311 Foundations of Communications	3
_____	ENGL 1302 Writing and Rhetoric	3
_____	See Catalog Mathematics	3
_____	See Catalog Life and Sciences	6
_____	See Catalog Language, Philosophy, or Culture	3
_____	See Catalog Creative Arts	3
_____	HIST 1301 US History to 1865	3
_____	HIST 1302 US History since 1865	3
_____	POLS 2305 US Government and Politics	3
_____	POLS 2306 State and Local Government	3
_____	See Catalog Social and Behavioral Science	3
_____	See Catalog Component Area	6

### PREREQUISITES

### SUPPORTING COURSES - 12 hours

_____	MATH 2413 Calculus I	4	MATH 1314 + 1316 or MATH 2312 or placement above
_____	PHYS 2425 University Physics I	4	MATH 2413
_____	PHYS 2426 University Physics II	4	MATH 2414

### MAJOR REQUIREMENTS - 60 hours

_____	ATSC 2403/3403 Introduction to Meteorology FL,SP	4	Crosslisted with ESCI 3403
_____	ATSC 2301 Weather Observations SP	3	ATSC 2403 or ESCI 3403
_____	ATSC 3306 Atmospheric Thermodynamics	3	ATSC 2403 + PHYS 2425
_____	ATSC 3305 Physical Meteorology FL	3	ATSC 2403 + PHYS 2426
_____	ATSC 3401 Synoptic Meteorology	4	ATSC 3306
_____	ATSC 3402 Mesoscale Meteorology	4	ATSC 3306
_____	ATSC 4301 Dynamic Meteorology I	3	ATSC 3306 + MATH 2414
_____	ATSC 4302 Dynamic Meteorology II	3	ATSC 4301
_____	ATSC 4305 Remote Sensing	3	PHYS 2426
_____	ATSC 4335 Climate and Climate Variability SP	3	ESCI 3351 or 3403 or ATSC 2403
_____	CHEM 1411 General Chemistry I	4	MATH 1314 or placement above
_____	COSC 1330 Prog for Scientists, Engineers & Math	3	
_____	ESCI 4360 Physical Oceanography FL	3	PHYS 1401 or PHYS 2425
_____	MATH 2414 Calculus II	4	MATH 2413
_____	MATH 2415 Calculus III	4	MATH 2414
_____	MATH 3311 Linear Algebra	3	MATH 2413
_____	MATH 3315 Differential Equations	3	MATH 2414
_____	MATH 3345 Statistical Modeling & Data Analysis FL	3	MATH 2414 + COSC 1330

### BROADCAST METEOROLOGY TRACK: (must choose at least 7 hours of upper level from below sections)

_____	ATSC 2101 Weathercasting	1	ATSC 2403 or ESCI 3403
_____	COMM 1311 Foundations of Communications	3	

### Choose one language option (9 hours):

#### ENGLISH-ONLY BROADCASTING

_____	MEDA 2311 Media Writing	3
_____	MEDA 2350 Media Performance	3
_____	ATSC 4498 Internship in Atmospheric Science	<u>Varies</u>

#### ENGLISH-SPANISH BROADCASTING

##### Choose one course from the following:

_____	MEDA 2311 Media Writing	3	
_____	MEDA 2350 Media Performance	3	
_____	COMM 4399 Communication Internship	3	Junior/Senior standing

##### Choose two courses from the following:

_____	SPAN 2312 Spanish IV SP	3	SPAN 2311 or three years of high school Spanish
_____	SPAN 2313 Spanish for Native Speakers	3	
_____	SPAN 3302 Spanish Composition SP	3	SPAN 2312 or equivalent
_____	SPAN 3303 Spanish Conversation FL	3	SPAN 2312 or equivalent

### Atmospheric Science Electives (5 hours):

_____	ATSC 4496 Directed Independent Study	1-4	Approval from Chair and Dean
_____	ATSC 4498 Internship in Atmospheric Science	1-4	
_____	ATSC 4590 Selected Topics	1-5	Varies
_____	CHEM 1412 General Chemistry II	4	CHEM 1411
_____	CHEM 3411 Organic Chemistry I	4	CHEM 1411 (CHEM 1412 recommended)
_____	ESCI 1401 Environmental Science I	4	MATH 0300 or placement above
_____	ESCI 3351 Oceanography	3	CHEM 1412 or ESCI 1401 or GEOL 1403
_____	GEOL 1403 Physical Geology	4	
_____	GEOL 4444 Hydrogeology FL	4	GEOL 1403 + PHYS 1401 or 2425 + MATH 2413
_____	GISC 1470 Geospatial Systems I	4	
_____	MATH 2305 Discrete Mathematics I	3	MATH 1314 + 1316 or MATH 2312 or placement above
_____	MATH 4315 Partial Differential Equations SP	3	MATH 3315 + MATH 3470
_____	PHYS 1304 Intro to Astronomy: Solar Systems SP	3	

~Additional hours may be required to meet the minimum 120 hours for your degree~

### UNIVERSITY REQUIREMENTS:

Minimum Total Hours for Degree:	120	Minimum Major GPA:	2.25
Minimum Upper Division Total Hours:	45	Cumulative TAMUCC Minimum GPA:	2.00
Minimum Upper Division in Residency Hours:	36	Foreign Language Requirement (see catalog)	
Minimum Major Upper Division in Residency Hours:	12	First Year Seminar Requirement (UCCP 1101 & 1102)	