

Texas A & M University-Corpus Christi

Curriculum Sheet for 2020-2021 Catalog

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

UNIVERSITY CORE CURRICULUM:

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

HRS PREREQUISITES

<u>3</u>	this course is part of the track requirement
<u>3</u>	
<u>3</u>	
<u>6</u>	
<u>3</u>	
<u>3</u>	or HIST 2301
<u>3</u>	
<u>3</u>	
<u>3</u>	
<u>6</u>	

SUPPORTING COURSES - 12 hours

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

MAJOR REQUIREMENTS - 60 hours

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

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

_____	ATSC 2101	Weathercasting	<u>1</u>	ATSC 2403 or ESCI 3403
_____	COMM 1311	Foundations of Communications	<u>3</u>	

Choose one language option (9 hours):

ENGLISH-ONLY BROADCASTING

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

ENGLISH-SPANISH BROADCASTING

Choose one course from the following:

_____	MEDA 2311	Media Writing	<u>3</u>	
_____	MEDA 2350	Media Performance	<u>3</u>	

Choose two courses from the following:

_____	SPAN 2312	Continuing Spanish	<u>3</u>	SPAN 2311 or three years of high school Spanish
_____	SPAN 2313	Spanish for Native Speakers	<u>3</u>	
_____	SPAN 3302	Spanish Composition SP	<u>3</u>	SPAN 2312 or equivalent
_____	SPAN 3303	Spanish Conversation FL	<u>3</u>	SPAN 2312 or equivalent

Atmospheric Science Electives (5 hours):

_____	ATSC 4496	Directed Independent Study	<u>1-4</u>	Approval from Chair and Dean
_____	ATSC 4498	Internship in Atmospheric Science	<u>1-4</u>	
_____	ATSC 4590	Selected Topics	<u>1-5</u>	Varies
_____	ATSC4302	Dynamic Meteorology II	<u>3</u>	ATSC 4301
_____	CHEM 1412	General Chemistry II	<u>4</u>	CHEM 1411
_____	CHEM 3411	Organic Chemistry I	<u>4</u>	CHEM 1411 (CHEM 1412 recommended)
_____	ESCI 1401	Environmental Science I	<u>4</u>	MATH 0300 or placement above
_____	ESCI 3351	Oceanography	<u>3</u>	CHEM 1412 or ESCI 1401 or GEOL 1403
_____	GEOL 1403	Physical Geology	<u>4</u>	
_____	GEOL 4444	Hydrogeology FL	<u>4</u>	GEOL 1403 + PHYS 1401 or 2425 + MATH 2413
_____	GISC 1301	Physical Geography	<u>3</u>	
_____	GISC 1470	Geospatial Systems I	<u>4</u>	
_____	MATH 2305	Discrete Mathematics I	<u>3</u>	MATH 1314 + 1316 or MATH 2312 or placement above
_____	MATH 4315	Partial Differential Equations SP	<u>3</u>	MATH 3315 + MATH 3470
_____	PHYS 1304	Intro to Astronomy: Solar Systems SP	<u>3</u>	

~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 (UNIV 1101 & 1102)	