University of the Incarnate Word®

# Bachelor of Science in Broadcast Meteorology

School of Mathematics, Science and Engineering

## PROGRAM OVERVIEW

The Bachelor of Science (B.S.) in Broadcast Meteorology in the School of Mathematics, Science and Engineering at the University of the Incarnate Word readies future weather science professionals for successful and important careers that serve to inform and educate the public, as well as for advanced study in graduate programs. UIW offers the only B.S. Meteorology and Broadcast Meteorology program in San Antonio and throughout South Texas.

The B.S. in Broadcast Meteorology is a 130-hour program that integrates meteorological studies in forecasting, climatology, satellite, radar and synoptic meteorology, with higher mathematics and advanced communications. Students can expect an exciting and rigorous program that also offers hands-on practical learning that prepares them for work in the field and in front (or behind) the camera. Students in this program who complete Meteorology courses taken in these majors are partially fulfilling the academic requirements to earn the AMS or NWA Seal of Approval.

## ADMISSION REQUIREMENTS

The requirements for admission to the B.S. in Broadcast Meteorology program are the same as the requirements for admission to the University of the Incarnate Word.

## CONTACT

**UIW Admissions**
(210) 829-6005
admission@uiwtx.edu



This publication is available in alternate format by request. To request an alternate format, please contact the UIW Office of Admissions at (210) 829-6005. 02/2023

Broadcast Meteorology

DEGREE PLAN

# B.S. in Broadcast Meteorology

## FRESHMAN YEAR

### Fall

FYES 1211: First Year Experience Seminar (2 hours)
ENGL 1311: Composition I (3 hours)
CHEM 1301: Chemical Principles I (3 hours)
CHEM 1101: Chemical Principles I Lab (1 hour)
MATH 1311: Pre-Calculus* (3 hours)
METR 1430: Intro Meteorology & Lab (4 hours)

**Total Hours: 16**

*May not be required if student comps out.

### Spring

ENGL 1312: Composition I (3 hours)
CHEM 1302: Chemical Principles II (3 hours)
CHEM 1102: Chemical Principles II Lab (1 hour)
MATH 2312: Calculus I (3 hours)
METR 1325/1125: Natural Hazard & Lab (4 hours)

**Total Hours: 14**

## SOPHOMORE YEAR

### Fall

ENGL 2310: World Literature (3 hours)
SPAN 1311: or other Foreign Lang (3 hours)
PHYS 2305: Physics I (3 hours)
PHYS 2105: Physics I Lab (1 hour)
MATH 2313: Calculus II (3 hours)
METR 3310: Radar Meteorology* or METR 3360 Satellite Meteorology** (3 hours)

**Total Hours: 16**

*taught in odd years
**taught in even years

### Spring

COMM 1301: Intro to Mass Communication (3 hours)
SPAN 1312 or other Foreign Lang (3 hours)
PEHP Physical Activity Course (1 hour)
PHYS 2306: Physics II (3 hours)
PHYS 2016: Physics Lab II (1 hour)
MATH 2314: Differential Equations (3 hours)
METR 1360: Climatology (3 hours)

**Total Hours: 17**

## JUNIOR YEAR

### Fall

Religious Core (3 hours)
PHIL 1381: Intro to Philosophy (3 hours)
METR 3310: Radar Meteorology* or METR 3360: Satellite Meteorology** (3 hours)
GEOL 1420: Oceanography & Lab (4 hours)
METR 3356: Synoptic Meteorology (3 hours)

**Total Hours: 16**

*taught in odd years
**taught in even years

### Spring

PHIL/RELS 3000-4000 (3 hours)
MATH 2340: Comp. Programming or CIS 2230: Programming Languages or CIS 3360: Comp Sci (3 hours)
Fine Arts Core (3 hours)
METR 3340: Hydrology (3 hours)
METR 3320: Forecasting I (3 hours)
METR 3325: Thermodynamic Meteorology* or METR 3335: Severe Weather** (3 hours)

**Total Hours: 18**

*taught in odd years
**taught in even years

## SENIOR YEAR

### Fall

Social Studies (3 hours)
History Core (3 hours)
METR 3330: Forecasting II (3 hours)
METR 3390: Met Instrumentation (3 hours)
METR 3190: Met Instrumentation Lab (1 hour)
METR 4310: Weathercasting I (3 hours)

**Total Hours: 16**

### Spring

COMM 3353, 3390 or 3395 (3 hours)
COMM 3353, 3390 or 3395 (3 hours)
METR 3325: Thermodynamic Meteorology* or METR 3335: Severe Weather** (3 hours)
METR xxxx: Advanced METR elective (3 hours)
METR 4320: Weathercasting II (3 hours)
METR 4210: Capstone Broadcast Met (2 hours)

**Total Hours: 17**

*taught in odd years
**taught in even years

130 hours needed to complete the B.S. in Broadcast Meteorology.

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