

Student ID: _____	Catalog: 2017-2018 Catalog
Student Name: _____	Program: Meteorology, B.S.
Adviser Name: _____	Minimum Credits Required: _____

Meteorology, B.S.

Major Code: 7224	Degree Awarded: Bachelor of Science
Delivery Mode(s): Classroom	Age Restriction: No
Admission Status: Undergraduate	Location(s): Main Campus - Melbourne

Meteorology is an interdisciplinary applied science program with its research roots and applications in three colleges: Science, Engineering and Computing, and Aeronautics (S.E.A.). The program is currently administered by the Department of Physics and Space Sciences. A related degree program in aviation meteorology is offered by the College of Aeronautics.

Degree Requirements

Candidates for the Bachelor of Science in Meteorology complete a minimum of 133 credit hours as outlined below. A meteorology major completing at least 24 credit hours including MET 3401, MET 3402, MET 4233, MET 4305, MET 4306, SPS 4030, and six credit hours from among AVS 3201, ENS 3101, MET 4310 and OCN 3401, is eligible to be certified as a professional meteorologist by the American Meteorological Society and the U.S. Office of Personnel Management, and is thus qualified for entry into positions in NOAA National Weather Service, NASA and the U.S. Armed Forces.

Freshman Year

Fall (15 credit hours)

Course Name	Term Taken	Grade	Gen Ed
CHM 1101 General Chemistry 1			
COM 1101 Composition and Rhetoric			
ENS 1001 The Whole Earth Course			
FYE 1000 University Experience			
MTH 1001 Calculus 1 or MTH 1010 Mathematical Analysis 1			

Spring (16 credit hours)

Course Name	Term Taken	Grade	Gen Ed
AVS 1201 Aviation Meteorology			
CHM 1102 General Chemistry 2			
MTH 1002 Calculus 2 or MTH 1020 Mathematical Analysis 2			
PHY 1001 Physics 1			
PHY 2091 Physics Laboratory 1			

Sophomore Year

Fall (15 credit hours)

Course Name	Term Taken	Grade	Gen Ed
COM 1102 Writing About Literature			
MTH 2001 Calculus 3			
PHY 2002 Physics 2			
PHY 2092 Physics Laboratory 2			
Restricted Electives (CSE) Credit Hours: 3			

Spring (16 credit hours)

Course Name	Term Taken	Grade	Gen Ed
COM 2223 Scientific and Technical Communication			
HUM 2051 Civilization 1: Ancient Through Medieval			
MTH 2201 Differential Equations/Linear Algebra			
OCN 2407 Meteorology			
PHY 2003 Modern Physics			

Junior Year

Fall (17 credit hours)			
Course Name	Term Taken	Grade	Gen Ed
ENS 3101 Atmospheric Environments			
MET 3401 Synoptic Meteorology 1			
MTH 2401 Probability and Statistics			
OCN 3430 Fundamentals of Geophysical Fluids			
OCN 3433 Geophysical Fluids Laboratory			
PHY 3060 Thermodynamics, Kinetic Theory and Statistical Mechanics			
Spring (17 credit hours)			
Course Name	Term Taken	Grade	Gen Ed
ENS 3105 Atmospheric Pollution Lab			
ENS 3911 Environmental Field Projects Proposal			
MET 3402 Synoptic Meteorology 2			
SPS 4030 Physics of the Atmosphere			
Humanities Core Course Credit Hours: 3 Restricted Elective (ENS, COM, MET, MTH, OCN) Credit Hours: 3 Technical Elective Credit Hours: 3			
Summer (6 credit hours)			
Course Name	Term Taken	Grade	Gen Ed
ENS 4911 Environmental Field Projects 1 (Q)			
ENS 4912 Environmental Field Projects 2 (Q)			
Senior Year			
Fall (16 credit hours)			
Course Name	Term Taken	Grade	Gen Ed
ENS 4700 Environmental Hydrology			
MET 4233 Remote Sensing for Meteorology			
MET 4305 Atmospheric Dynamics 1			
OCN 3401 Physical Oceanography			
OCN 3411 Physical Oceanography Laboratory			
Humanities Elective Credit Hours: 3			
Spring (15 credit hours)			
Course Name	Term Taken	Grade	Gen Ed
MET 4306 Atmospheric Dynamics 2			
MET 4310 Climatology			
Free Elective Credit Hours: 3 Social Science Elective Credit Hours: 3 Technical Elective Credit Hours: 3			
Total Credits Required: 133			
Humanities Core Courses			
Not all humanities core courses are offered online or every term; check the current schedule of classes for humanities core options.			
Course Name	Term Taken	Grade	Gen Ed
HUM 2052 Civilization 2: Renaissance Through Modern			
HUM 2142 World Art History 2: Early Modern to Post-Colonial			
HUM 2212 British and American Literature 1			
HUM 2213 British and American Literature 2			
HUM 2331 American History: Pre-Columbian to Civil War Era			
HUM 2332 American History: From Reconstruction to the Present			

HUM 3333 American Military History

Notes: