**Meteorology track for AOS major**

* Lower division classes
  + Math, physics, and chemistry requirements
  + AOS M71. Introduction to Computing for Geoscientists (normally taught in Fall)
    - Or PiC 10A (taught all quarters), but AOS M71 strongly recommended
  + AOS 51. Fundamentals of climate science
  + AOS 90. Introduction to undergraduate research (normally taught in Winter)
  + Recommended (not required): Statistics 12 or 13. Introduction to Statistical Methods.
  + Suggested (not required): Statistics 20. Statistical Programming (requires Stats 12 or 13).
  + Suggested (not required): Geography 7: Introduction to GIS
* Recommended core courses (4 required):
  + 101. Fundamentals of Atmospheric Dynamics and Thermodynamics (recommended to take take in Fall of JR year)
  + 103. Physical Oceanography
  + 104. Fundamentals of Air and Water Pollution
  + 112: Climate Change Assessment (101 recommended)
* Advanced upper division courses (3 required)
  + Recommended:
    - C110. Advanced Dynamic and Synoptic Meteorology (101 required)
    - C115. Mesometeorology (101 required)
    - C144. Atmospheric Boundary Layer (101 required)
    - 145. Atmospheric Physics: Radiation, Clouds, and Aerosols (101 recommended)
    - 186. Operational Meteorology (C110 required)
  + Suggested:
    - M120. Introduction to Fluid Dynamics (Corequisite: Physics 131)
    - C160. Remote Sensing of Atmosphere and Oceans
    - 180. Numerical Methods in Atmospheric Sciences
    - 210. Planetary Atmospheres and Climates (requires petition to enroll)
  + To meet the degree requirements for employment at the National Weather Service or government agency as a meteorologist, you’d need to take 110, 145, C160, 186, and C115 or C144, among other classes. For exact requirements, see https://www.opm.gov/policy-data-oversight/classification-qualifications/general-schedule-qualification-standards/1300/meteorology-series-1340/:
* Upper division courses from other science departments (2 required)
  + Recommended:
    - C&EE 103. Applied Numerical Computing and Modeling in Civil & Env. Engineering
    - EPSS 153 Oceans and Atmospheres
    - MAE 103. Elementary Fluid Mechanics
    - Math 142. Mathematical Modeling
    - Phys 131. Mathematical methods of physics
  + Suggested:
    - C&EE 110. Introduction to probability and statistics for engineers
    - C&EE 150. Introduction to Hydrology
    - Geog 104. Climatology
    - Math 136. Partial differential equations
    - Math 151A. Applied numerical methods
    - Stats 101A. Introduction to data analysis and regression