**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