

Air quality and atmospheric chemistry 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 (normally taught in Fall or Winter)
 - AOS 90. Introduction to undergraduate research in the climate, atmospheric, and oceanic sciences (normally taught in Spring)
- Recommended core courses (4 required):
 - 101. Fundamentals of Atmospheric Dynamics and Thermodynamics (recommended to take in Fall of JR year)
 - 104. Fundamentals of Air and Water Pollution
 - M105. Introduction to Chemical Oceanography
 - 112: Climate Change Assessment (101 recommended)
- Advanced upper division courses (3 required)
 - Recommended:
 - 141. Introduction to Atmospheric Chemistry and Air Pollution
 - 145. Atmospheric Physics: Radiation, Clouds, and Aerosols (101 recommended)
 - 150. Atmospheric and Oceanic Sciences Laboratory
 - Suggested:
 - C110. Advanced Dynamic and Synoptic Meteorology (101 required)
 - C111. Introduction to Machine Learning for Physical Sciences
 - C144. Atmospheric Boundary Layer (101 required)
 - 155. Introduction to Ecosystem-Atmosphere Interactions
 - C160. Remote Sensing of Atmosphere and Oceans
 - C182. Data Analysis in Atmospheric and Oceanic Sciences
 - 203A. Introduction to Atmospheric Chemistry (requires petition to enroll)
- Upper division courses from other science departments (2 required)
 - Recommended:
 - CEE 154: Chemical fate and transport in aquatic environments
 - Chem 110A. Physical Chemistry: Chemical Thermodynamics
 - EHS C152D Properties and Measurement of Airborne Particles
 - Suggested:
 - CEE 103 Applied Numerical Computing and Modeling in Civil and Environmental Engineering
 - CEE 110 Introduction to Probability and Statistics for Engineers
 - Chem 184. Chemical Instrumentation
 - EHS C125 Atmospheric Transport and Transformations of Airborne Chemicals
 - ENV 157 Energy, Environment, and Development
 - Math 142. Mathematical Modeling
 - Stats 101A. Introduction to Data Analysis and Regression