

**Introduction**

The Bachelor of Science degree in Meteorology focuses on the study of weather and climate as well as extensive preparation in environmental sciences. Students learn about weather systems, the atmosphere, climate issues, ocean dynamics, and forecasting. Students may become involved with research, utilize micrometeorological observing stations, and use state-of-the-art computer workstations dedicated to monitoring meteorological issues.

This meteorology program offers all the US federal government civil service requirements for classification as a meteorologist. Graduates of the program have the opportunity to pursue different career paths, including meteorology or environmental science, for employment in government, education, or private industry. Graduates also have a firm foundation in order to pursue graduate study.

Although most graduates will find work in a related field, some may choose a career that does not require this specific major, but rather a wide range of demonstrated skills and accomplishments. Regardless of your career choice, increase your marketability to employers through internships, responsible work experience, good grades, and involvement in college activities.

**Types of Employers**

<b>A Sample of Private &amp; Non-Profit Organizations</b>		
Agricultural firms Air carriers Commodities firms Environmental advocacy groups Environmental consulting firms Environmental education centers	Environmental public relations firms Environmental research organizations Insurance companies Private consulting firms Private weather forecasters Radio and television stations	Research and testing firms Research organizations Scientific journals Testing laboratories Universities
<b>A Sample of Government Agencies (Federal, State, County, Local)</b>		
Air Force Bureau of Land Management Bureau of Reclamation Department of Agriculture Department of Defense Department of Energy Forest Service Mount Washington Observatory	National Aeronautics and Space Administration (NASA) National Oceanic and Atmospheric Administration (NOAA) National Science Foundation Navy N.J. Dept. of Environmental Protection Occupational Safety & Health Admin.	Peace Corps Public Health Service Soil Conservation Service U.S. Coast Guard U.S. Environmental Protection Agency U.S. Fish and Wildlife Service U.S. Geological Survey

**A Sample of Related Occupations**

Air Quality Engineer Astronomer Atmospheric Scientist Climatologist Ecologist Envir. Protection Specialist Environmental Affairs Mgr.	Environmental Consultant Environmental Educator Environmental Engineer Environmental Impact Analyst Environmental Lawyer Environmental Manager Geoscientist	Hydrologist Lobbyist Meteorologist Natural Resource Manager Naturalist Oceanographer Physicist	Research Scientist Risk Manager Safety Engineer Science Librarian Technical Sales Rep. Technical Writer Water Quality Specialist
---	---	--	--

### Skills

Ability to conduct research, organization  
 Attention to detail, critical thinking, analyzing, problem solving  
 Interpreting technical/scientific data, using computing systems to observe and forecast the weather

### Sample of Jobs Obtained by Rutgers Graduates in Meteorology

(Many of these jobs come after additional education resulting in a master's or doctoral degree.)	
Administrator Assistant, NNJAC-Raritan District UMC Airman, U.S. Coast Guard Air Quality Consultant, ENSR Consulting & Engineering Associate Environmental Scientist, Environ International Corp. Atmospheric Perils Meteorologist, SwissRe Insurance Company Atmospheric Scientist, Versar, Inc. Attorney, Pitney, Hardin, Kipp and Szuch Cabin Service Crew, Continental Airlines Commander, USAF - 7th Weather Squadron Curator, National Air & Space Museum Deputy Commander, US Air Force Combat Climatology Center Director, N.J. Dept. of Agriculture Environmental Lawyer, Maine Dept. of Transportation Fighter Pilot, US Navy Flight Attendant, Continental Airlines Head-Air Toxic Section, Maine, D.E.P.A. Hydrogeologist, Safety-Kleen Consulting Hydrologist, U.S. Geological Survey Manager, Accenture Foundation, Inc. Manager, Air Quality Department, Roy F. Weston, Inc. Meteorological Developer, The Weather Underground TV Meteorologist, 3Tier (Alternative Energy Co in Seattle) Meteorologist, Accuweather, Inc. Meteorologist, Air Force Research Laboratory Meteorologist, California Edison (Energy Forecasting) Meteorologist, Constellation Energy (Energy Trading) Meteorologist, ENSR Corporation Meteorologist, MDA Federal Inc. Meteorologist, National Weather Service Meteorologist, NBC Meteorologist, NOAA Geophysical Fluid Dynamics Laboratory Meteorologist, NOAA Headquarters	Meteorologist, SDI Weather Trends Inc. Meteorologist, Unisys Corp. Meteorologist, United States Army CHPPM Meteorologist, WBAL-TV, Baltimore, MD Meteorologist, Weather Channel & Weather.com Meteorologist, WHDH-TV, Boston Meteorologist, WKTV-TV, Utica, NY Meteorologist, Woodward-Clyde Consultants National Account Manager, IBM Corporation Naval Aviator, United States Navy PC Systems Consultant, Clancy Paul Computers Physical Scientist, NOAA/Satellite Research Laboratory Pilot, USAF Principal Consultant, CJZ Associates Programmer, Passaic Valley Sewerage Commission Professor, Cornell University Professor, Rutgers University Professor, University of South Alabama Project Scientist, All4 Consulting Radio Broadcast Meteorologist, The Weather Channel Research and Development, AT&T Research Meteorologist, Pennsylvania State University Science Teacher, West Essex Regional High School Science Instructor, Sanborne NH Regional High School Senior AE, AT&T Senior Manager, Business Solutions, The Gap, Inc. Sr. Member Tech. Staff, Science Systems & Applications Inc. Sr. Research Associate, Northeast Regional Climate Center Systems Analyst, Johnson & Johnson Systems Engineer, O.A.O. Corp. Utica Weather Observer, Mount Washington Observatory Weather Officer, U.S. Air Force

### Sample of Graduate Schools Attended by Rutgers Graduates in Meteorology

Columbia University Georgia Institute of Technology Florida State University Pennsylvania State University Rutgers University	University at Albany – SUNY University of California – Santa Cruz University of Colorado University of Maryland University of Washington
---	--

### Career Services Resources - A Sampling

#### Resources

*Hidden Job Market*  
*Opportunities in Environmental Careers*  
*Opportunities in Research & Development Careers*  
*Outdoor Careers*  
*Peterson's Graduate & Professional School Programs*

#### Services

Alumni Career Network: Rutgers alumni who provide career/educational information and advice  
 Career counseling appointments and drop-in hours (check program schedule)  
 Career days & e-fairs  
 Career Services website: <http://careerservices.rutgers.edu>  
 Computerized career guidance programs and career assessment inventories  
 On-campus recruiting, full time, internship, and co-op opportunities (CareerKnight)  
 Salary information  
 Seminars on choosing a major, resume writing, job hunting, interviewing; alumni panels