Pollution can be defined as chemical or biological mis-localization. Humans create pollution in a number of ways: by accident, by improper waste disposal, and in some cases by well-intended management of the environment. There are many challenges in pollution cleanup and in preventing future pollutant releases. This specialization prepares students to recognize pollutants, characterize the extent and consequences of pollution in the environment, identify and evaluate alternatives for remediation and prevention, and evaluate the economic and political viability of alternatives.

The PPR specialization is intended to prepare students for mid-level jobs in consulting, industry, government or nonprofit organizations. For example, in a consulting capacity, PPR specialists could occupy scientific or engineering managerial or technical positions where they might develop remedial investigation of feasibility plans for hazardous waste sites, conduct field data collection and analysis of sites under investigation, work with engineering staff to facilitate the design of new treatment works in either hazardous or municipal waste treatment, administer regulatory decisions of public clients, delineate and report treatment alternatives plus conduct cost-benefit analyses for preparing recommendations, model environmental systems in support of any of the above, and develop new business.

ALUMNI PLACEMENT

Sample initial job placements for alumni who specialized in Pollution Prevention and Remediation at the Bren School:

**Fishery Policy Fellow, Government Relations**  
Ocean Conservancy  
Non-Profit | Washington, DC

**Senior Consultant**  
Booz Allen Hamilton  
Consulting | Pittsburgh, PA

**Sr. Water Efficiency Technical Specialist**  
Planning & Water Resources  
Irvine Ranch Water District  
Government | Irvine, CA

**NEPA Compliance/Natural Resource Manager**  
NASA Ames Research Center  
Government | Moffett Field, CA

**Post-Graduate Researcher**  
Los Alamos National Laboratory  
Government | Los Alamos, NM

**EMS Specialist/Environmental Scientist I**  
Government Facilities & Infrastructure  
CH2M HILL  
Consulting | Lancaster, CA

**Environmental Scientist**  
URS Corporation  
Consulting | Oakland, CA

**Environmental Scientist**  
U.S. Environmental Protection Agency  
Government | Los Angeles, CA

**Environmental Scientist—Office of Water**  
U.S. Environmental Protection Agency  
Government | Washington, DC

**Environmental Scientist**  
Roux Associates  
Consulting | San Francisco, CA

**Research Associate**  
Clean Agency  
Consulting | Pasadena, CA

**Environmental Protection Specialist**  
Office of Atmospheric Programs  
U.S. Environmental Protection Agency  
Government | Washington, DC

**Senior Environmental Consultant**  
Sustainability Solutions Division  
Waste Management  
Corporate | Denver, CO

**Associate, Energy**  
Environmental Science Associates (ESA)  
Consulting | San Francisco, CA

These are initial job placements and might not represent the graduates’ current positions. For up-to-date information about alumni job placements, please visit the Bren School Alumni Network or the Bren School Online Community.
Sample Internship Placement Organizations - PPR students

Conservation Intern with the **City of Santa Barbara Water Resources** team in Santa Barbara, CA (Government)
Project Assistant for **Industrial Ecology Research Services (IERS)** in Goleta, CA (Consulting)
Geospatial Subsurface Modeling Intern for **Groundswell Technologies**, Inc. in Santa Barbara, CA (Corporate)
Restoration Intern for **Cheadle Center for Biodiversity and Ecological Restoration** in Goleta, CA (Research)
Graduate Student Program Intern for the **California Coastal Commission** in Ventura, CA (Government)
Intern for **TOR Environmental** in San Clemente, CA (Consulting)
Student Engineering Trainee for **NASA Ames Research Center** in Moffitt Field, CA (Government)
Graduate Student Intern for **Los Alamos National Laboratory** in Los Alamos, NM (Government)
Marine Conservation Intern for the **Reef Environmental Education Foundation** in Key Largo, FL (Non-Profit)
Research Assistant for **Lake Ecosystem Restoration** New Zealand in Hamilton, New Zealand (Government)
Field/Lab Research Assistant for **Lake Sunapee Protection Association** in Sunapee, NH (Non-Profit)
Researcher with the **Tahoe-Baikal Institute Summer Exchange Program** in South Lake Tahoe, CA (Non-Profit)
Intern for the **Bureau of Land Management (BLM)** in Ukiah, CA (Government)
Corporate Social Responsibility Intern for **Kaiser Permanente** in Oakland, CA (Corporate)
SCEP Intern with the **U.S. Environmental Protection Agency (EPA)** in Washington, DC (Government)
Intern for **Cradle to Cradle Products Innovation Institute** in San Francisco, CA (Non-Profit)
Intern for the **UC Center for Environmental Implications of Nanotechnology** in Santa Barbara, CA (Research)
Research Intern for the **United Nations Environment Programme (UNEP)** in Geneva, Switzerland (Non-Profit)

Comprehensive internship information, including complete lists of internships completed by past MESM classes, key places to look for internships, and additional internship-related resources, can be found on the Internship Restricted Site.