

Conservation and Renewable Resources



→ Job Descriptions

- ◆ **Conservation scientist:** manages natural habitats, including parks, forests, and rangelands
- ◆ **General and Interpretive Park Ranger:** supporting the natural and cultural resources; interpretation and protection services; provide historical and natural programming, guided tours
- ◆ **Physical Science Technician:** assist by collecting, managing, analyzing, and interpreting a wide array of physical science information pertaining to renewable energy sources
- ◆ **Environmental Education Specialist, Landscape Ecologists, Park Guide, Visual Information Specialist, Museum Technician, GIS technician**

→ Industry/Location

- ◆ 424 National Park sites all over the United States, 22 National Parks in Virginia
- ◆ Positions available worldwide; natural, state, & local parks
- ◆ **Industries:** NPS, Conservation, Forestry, Virginia Department of Conservation & Recreation, Virginia Department of Wildlife Resources, Non-profits (Historic Virginia Land Conservancy)



→ Degree/Requirements

- ◆ Varies drastically among states
 - Bachelor's- typically in the geosciences, environmental sciences, natural resources, conservation, biology, chemistry, zoology, park management
 - Research-focused positions require graduate degree
 - Most positions required previous specialized work experience in a related field
 - Driver's License/other certifications, must be U.S. citizen (for park rangers)

Conservation and Renewable Resources

→ Helpful Skills

- ◆ Chemistry, mathematics, engineering, biology, ecology, botany, physics, forestry, horticulture
- ◆ First Aid/emergency medical skills/certifications, communication and administrative skills, museum/archival/curatorial experience, interpretive and informative services

→ Statistics

- ◆ **Conservation Scientists and Foresters**
 - ◆ Annual Mean Salary: \$68,000 per year
 - ◆ Job Outlook (2021-2031): 5-7%
- ◆ **Physical science technician:**
 - ◆ Annual mean salary: \$67,000 per year
 - ◆ Job outlook (2021-2031): 8%

→ References

- ◆ <https://www.parkrangeredu.org/physical-science-technician-jobs/>
- ◆ https://www.jobmonkey.com/parks/nps_job_descriptions/
- ◆ <https://www.bls.gov/ooh/life-physical-and-social-science/conservation-scientists.htm>
- ◆ <https://www.parkrangeredu.org/park-ranger-requirements/>
- ◆ <https://www.parkrangeredu.org/national-park-service-jobs/>
- ◆ <https://wildlife.org/wildlife-careers/>
- ◆ https://www.bls.gov/oes/current/oes_nat.htm#19-0000

“When I go to hire people, what makes them most competitive is a general grounding in resource management combined with people skills and relevant technical skills” - Ranger at Yellowstone

