

# SAMPLE INTERNSHIP DESCRIPTION – NOT CURRENTLY OPEN – FOR INFORMATION ONLY

## GIS Technician Internship National Center for Conservation Science and Policy (NCCSP)

**Categories:** Outreach/ Advocacy Scientific Skilled Labor/ Technical

### Position Overview:

The GIS Technician will provide direct GIS support services to our Climate Futures Forum projects by analyzing climate change projection data and producing the maps and graphs necessary to help communities understand what climate induced disturbances they are likely to experience in the coming decades. The Technician will assist with facilitating science workshops in the communities that are hosting Climate Change Futures Forums and in writing the technical aspects of the final reports for each pilot project site.

### Responsibilities:

(to include, but not limited to):

- Processing data and creating maps using ESRI software
- Summarizing data and producing publication quality graphs
- Providing facilitation support for Climate Futures Forum science workshops
- Assist in writing technical reports
- Other GIS and cartographic tasks as needed.
- Complete and submit all necessary NCCSP, NWSA and AmeriCorps paperwork and reports in a timely manner.
- Wear an NWSA uniform and/or appropriate identifiers and required safety gear while performing service or attending official events.

### Qualifications:

- BA/BS in Geography, Computer Science, Natural Resources or related field. Related work experience and professional training may be substituted for education.
- Demonstrated skills using ArcGIS
- Demonstrated skills working with vector and raster data types
- 18 years of age or older, at beginning of service term.
- U.S. citizen, national or lawful permanent resident.
- Ability to commit to the full term of service for which you are applying.
- Successfully pass a fingerprint criminal history background check provided through NWSA and/or Project Sponsor Agency.
- Regular and reliable attendance.
- Have not previously served 2 terms in an AmeriCorps\*State or National program. Members may serve up to 3 terms in a National Service Program, but only 2 terms may be within an AmeriCorps\*State or National program. Members are only eligible for an education award for their first 2 terms of service, regardless of the type of term (full or part-time) and regardless of the successful completion of that term.

### Preferred Qualifications:

- Experience programming GIS applications in Python and/or Visual Basic
- Working with Climate Data in NetCDF format
- Training in Cartography
- Experience with the ArcHydro data model and the NHDPlus dataset
- Climate and/or hydrology modeling experience

**Compensation:** A taxable, monthly living allowance (before taxes, approximately \$1,250).

- Training fund of up to \$500.
- Upon successful completion of a term of service, eligible members receive an education award of \$4,725. The education award can be used to repay qualified student loans, for further education in an accredited institution of higher learning, vocational or trade schools. The education award is taxed in the year that it is used.
- Loan forbearance (after successful completion of a term of service, AmeriCorps will pay the accrued interest on qualified loans, which is taxable).
- Basic medical insurance (covers members only, not dependents; vision and dental not included).
- Child care allowance for those who qualify