

GS 0401 - General Biological Sciences

General Biological specialists may work in forest and range planning, fire and fuel, natural resource management:

Duties may include: Timber sale layout (planning) or timber sale administration (inspection and contract quality control), silviculture (culturing of timber stands for future harvest), wildlife or botany (for survey and clearance of proposed projects) to NEPA (National Environmental Policy Act)¹. Candidates should be able to complete 640 hrs of work experience before graduation.

GS 0408 - Ecology

Ecologists work in forest and range planning, fire and fuel, natural resource management, and technology transfer.

Duties may include: Performance of standard analysis for environmental and scientific data using established methods and procedures. Perform environmental studies that help to determine the impact of various activities or naturally occurring environmental factors. Study focus may include climate change, invasive species, silvicultural practices, and/or natural disturbances, on ecosystems and their components. Other duties include serving as project planner for environmental resource projects. Candidates should be able to complete 640 hrs of work experience before graduation.

GS 0460 - Forestry

Forester work will be in the following landscape planning efforts: Timber sale layout (planning) or timber sale administration (inspection and contract quality control), silviculture (culturing of timber stands for future harvest), or focus on planning and NEPA¹. Work is commonly in interdisciplinary settings, these teams are formed provide the best available information to a manager or decision maker. Candidates should be able to complete 640 hrs of work experience before graduation.

GS 0482 - Fishery Biology

Fisheries biology work will include some level of consultation with regulatory agencies, and analysis of proposed projects for NEPA¹. This analysis is commonly in interdisciplinary settings used to inform a decision maker of potential alternatives and the effects of those proposals. Depending upon the jobs location, it may have a significant portion of its duties dealing with improvement of fish habitat or fish passage projects where listed Threatened or Endangered Species are part of the local fauna. Candidates should be able to complete 640 hrs of work experience before graduation.

GS 0486 - Wildlife Biology

Wildlife biology work will include some level of consultation with regulatory agencies, analysis of proposed projects for NEPA¹. This analysis is commonly in interdisciplinary settings used to inform a decision maker of potential alternatives and the effects of those proposals. Depending upon the jobs location, the job may have a portion of its duties dealing with improvement of wildlife (or game) habitats; these projects may include wildlife corridor projects. Habitat improvement projects are likely to be part of the duties if the position is in a location where listed Threatened or Endangered Species are

¹ National Environmental Policy Act - NEPA is used to disclose and document environmental effects of proposed activities. This information is then the basis for decision makers when they issue a decision on proposed work.

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part of the local fauna. Candidates should be able to complete 640 hrs of work experience before graduation.

GS 0454 - Rangeland Management

Range specialists work may include some level of consultation with regulatory agencies, analysis of proposed projects for NEPA¹. This analysis is commonly in interdisciplinary settings used to inform a decision maker of potential alternatives and the effects of those proposals. Depending upon the location, this position should deal with improvement of wildlife or game habitat; these projects may include wildlife corridor projects. Duties associated with Range will also include working with permitted allotments where livestock are allowed to graze on federally managed lands. Habitat improvement projects are likely to be part of the duties if the position is in a location where range has been degraded or if Threatened or Endangered Species are part of the local flora and fauna. Candidates should be able to complete 640 hrs of work experience before graduation.

Civil Engineering:

GS 0810 - Civil Engineering

Civil Engineers work is related to either construction or deconstruction of forest transportation infrastructure, facilities and administrative sites. These positions will also include some level of NEPA¹ analysis of proposed projects. This analysis is commonly in interdisciplinary settings used to inform a decision maker of potential alternatives and the effects of those proposals. Depending upon the location, this position should deal with improvements or maintenance of developed recreation areas geared to summer or winter activities; most have a combination of the two seasonal activities. Candidates should be able to complete 640 hrs of work experience before graduation. Following graduation many candidates usually strive toward a Professional Engineering (PE) certification, this is also encouraged by the Forest Service.

Budget Analyst:

GS 0560 – Budget

Duties will be using the basic elements of accounting to reconcile transaction registers and expenditures. Work assignments will become increasingly difficult until the candidate can apply gained knowledge and skill follow Forest Service budget-related laws, regulations, policies, precedents, methods, and techniques. Candidates should be able to complete 640 hrs of work experience before graduation. One position may be in Portland Oregon from 2012 to 2013. This candidate should also be available for work during the school year; will work < 20 hrs/week when attending classes. Hours will be flexible during the school year, full-time during the summer.

GIS (Geographical Information Systems):

GS 0150 – Geography or GS 0401 - General Biological Sciences or GS 1301 - Physical Sciences

Any of the above areas of study may qualify for a GIS SCEP position. Duties will likely producing maps and managing data for maps. Using spatial locations within GIS programs to assemble data, import GPS coordinates from field gathered forms or equipment. This will also include processing of GIS based data to aid various resource specialists (wildlife, archeology, fisheries, engineering or others) in their analysis. Candidates must ensure they can meet the requirements of their degree and be able to complete 640 hrs of work experience before graduation.