HYDROLOGIST FORECASTER

Posting ID: EM1791858E
Company: National Weather Service, River Forecast Center

Position Type: Full-Time
College Major(s): Civil Engineering (CEE), Mechanical Engineering (ME)

Company Website: http://www.weather.gov/
Work Location: Portland, OR
Salary:
College Level(s): Undergraduate-Junior, Undergraduate-Senior, Graduate Student, PhD. Student

OVERVIEW

This position is located in the National Weather Service (NWS), River Forecast Center (RFS) in Portland, OR.

This position is also announced under vacancy number NWS-WR-2018-0001, which is open to status candidates. You must apply to both announcements if you want to be considered for both.

*A one year probationary period may be required.
*Payment of relocation expenses is not authorized.
*This position is in the bargaining unit.

NOTE:

This Job Opportunity Announcement may be used to fill other Senior Hydrologist, GS-1315-13 positions throughout NOAA. The position must be alike (e.g.: within the same geographic locations, same grade/band and requires the same qualifications and specialized experience as indicated in this vacancy announcement).

Learn more about this agency

Roles and Responsibilities
As a Senior Hydrologist, you will be performing the following duties:

Perform lead Hydrologic forecast functions in the day-to-day hydrologic operations of the River Forecast Center (RFC) including both real- and non-real time operations, with the latter supporting procedure development activities critical to the enhancement, implementation and maintenance of the forecast system technology.
Perform routine daily short-range forecast operations before and during high water and flood episodes including stage forecasts, discharge forecasts, daily forecasts of inflow volume for
reservoirs and river velocity forecasts. Perform long-range water resources forecast operations include spring snowmelt flood outlooks, reservoir inflow forecasts, river volume forecasts and minimum flow forecast. Participate in RFC effort to increase interaction and cooperative support between RFC and stakeholders including Weather Forecast Office (WFO) personnel. Perform special non-real time procedure development activities including providing background information, help and training to RFC staff and implementing new or enhanced operational procedures.

**Education and Qualifications**

**Conditions of Employment**
Must be a U.S. Citizen or National to apply. Required to pass a background investigation and fingerprint check. Must be suitable for Federal employment. Must be registered for Selective Service, if applicable (www.sss.gov) Qualifications requirements must be met by closing date of announcement. College Transcript: If you are qualifying based on education, submit a copy of your college transcript that lists college courses detailing each course by the number and department (i.e., bio 101, math 210, etc.), course title, number of credit hours and grade earned. You must submit evidence that any education completed in a foreign institution is equivalent to U.S. education standards with your resume. You may submit an unofficial copy of the transcript at the initial phase of the application process. If course content cannot be easily identified from the title of the course as listed on your transcript, you must submit an official course description from the college/university that reflects the content at the time the course was taken.

Note: Your college transcript is used to verify successful completion of degree, or college course work. An official college transcript will be required before you can report to duty.

Applicants must meet ALL application requirements, to include a complete online resume, by 11:59 p.m. EASTERN TIME (ET) on the closing date of this announcement.

**CONDITIONS OF EMPLOYMENT:** Long arduous work periods may be required when flood conditions threaten or occur. During flood events the duty may result in extended periods of stressful activity. Evening or overnight shift work may be required to support 24 hour operations during flood events.

**Qualifications**
Qualification requirements in the vacancy announcements are based on the U.S. Office of Personnel Management (OPM) Qualification Standards Handbook, which contains federal qualification standards. This handbook is available on the Office of Personnel Management's website located at: http://www.opm.gov/qualifications.

**BASIC REQUIREMENTS:** This position has a positive Education Requirement in addition to at least one year of Specialized Experience in order to be found minimally qualified. Transcripts must be submitted with your application package. You MUST meet the following requirements:

To qualify for the 1315 series:
A. Degree: physical or natural science, or engineering that included at least 30 semester hours in any combination of courses in hydrology, the physical sciences, geophysics, chemistry, engineering science, soils, mathematics, aquatic biology, atmospheric science, meteorology, geology, oceanography, or the management or conservation of water resources. The course work must have included at least 6 semester hours in calculus (including both differential and integral calculus), and at least 6 semester hours in physics. Calculus and physics, as described above, are requirements for all grade levels.

OR

B. Combination of education and experience: course work as shown in A above, plus appropriate experience or additional education.

Experience refers to paid and unpaid experience, including volunteer work done through National Service programs (e.g., Peace Corps, AmeriCorps) and other organizations e.g., professional; philanthropic, religious; spiritual; community, student, social). Volunteer work helps build critical competencies; knowledge, and skills and can provide valuable training and experience that translates directly to paid employment. You will receive credit for all qualifying experience, including volunteer experience.

-AND-

To qualify at the GS-13 level:

**Preferred Skills**

SPECIALIZED EXPERIENCE: In addition to meeting the Basic Requirements above, applicants must also possess one full year (52 weeks) of specialized experience equivalent to the GS-12 in the Federal service. Specialized experience MUST include all of the following:
- Analyzing and executing computer-based hydrologic modeling procedures for short-term and long-term operational forecasting;
- Utilizing overall and hydrologic forecast operations including communication systems, relational databases, computer-based modeling technology and advanced observation systems; and
- Conducting streamflow forecasts.

**How to Apply**

[https://www.usajobs.gov/GetJob/ViewDetails/481423700](https://www.usajobs.gov/GetJob/ViewDetails/481423700)