

Environmental Engineer 3 (In-Training)

APPLY

Salary

\$75,120.00 - \$98,592.00 Annually

Location

Thurston County – Lacey, WA

Job Type

Full Time - Permanent

Remote Employment

Flexible/Hybrid

Department

Dept. of Ecology

Job Number

2022-EAP3734-11966

Closing

Continuous

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Description



DEPARTMENT OF
ECOLOGY
State of Washington

Per Governor Inslee's [Proclamation 21-14.2 \(Download PDF reader\)](#), Washington State employees must be fully vaccinated against COVID-19. As a condition of employment, the successful candidate will be required to provide proof of their COVID-19 vaccination as part of the hiring process, prior to their start date. Requests for medical and religious exemptions will be considered. If you have questions, please contact Careers@ecy.wa.gov with "COVID-19 vaccination" in the subject line.

Keeping Washington Clean and Evergreen

The [Environmental Assessment Program](#) (EAP) within the Department of Ecology is looking to fill an **Environmental Engineer 3 (In-Training)** position. The position is located in our Headquarters office in [Lacey, WA](#). Upon hire, you must live within a commutable distance from the duty station.

As a licensed professional engineer, you will independently plan and conduct investigations of, and propose solutions to, environmental engineering problems relating to pollutant loading capacity, mathematical modeling of water quality, and effluent dilution. This position is directly related to Ecology's mission of protecting, preserving, and restoring Washington's environment.

Agency Mission: Ecology's mission is to protect, preserve and enhance Washington's environment, and promote the wise management of our air, land and water. The agency's goals are to prevent pollution, clean up pollution and support sustainable communities and natural resources.

Program Mission: The [Environmental Assessment Program](#) provides a range of scientific, monitoring, laboratory, and quality assurance services. Its mission is to measure and assess environmental conditions in Washington State. The Modeling and TMDL Unit is comprised of a cohesive team of scientists and engineers that work on studies to solve some of the most complex water quality issues in western Washington.

During Healthy Washington Roadmap to Recovery, employees are working a combination of in-office and/or telework based on position and business need. Telecommuting is an option. Flexible number of days per week in the office. Ecology is following current state guidance regarding mask requirements, health screening questions before entry, and social distancing.

Application Timeline: This position will remain open until filled, with an initial screening date of **September 6, 2022**. In order to be considered for initial screening, please submit an application on or before **September 5, 2022**. The agency reserves the right to make an appointment any time after the initial screening date.

About the Department of Ecology

Protecting Washington State's environment for current and future generations is what we do every day at Ecology. We are a culture that is invested in making a difference. Join a team that is highly effective and collaborative, with leadership that embraces the value of people.

Ecology cares deeply about employee wellness; we go beyond traditional benefits, proudly offering:

- A healthy life/work balance by offering flexible schedules and telework options for most positions.
- An Infants at Work Program that is based on the long-term health values of infant-parent bonding and breastfeeding newborns.
- Continuous growth and development opportunities.
- A wellness program that offers education, fitness classes, and an agency-wide fondness for outdoor meetings.
- Opportunities to serve your community and make an impact through meaningful work.

Our commitment to DEIR

Diversity, equity, inclusion, and respect (DEIR) are core values central to Ecology's work. We strive to be a workplace where we are esteemed for sharing our authentic identities, while advancing our individual professional goals and collaborating to protect, preserve, and enhance the environment for current and future generations.

Diversity: We celebrate and appreciate diversity; our unique perspectives and abilities enrich us all and lead to innovative approaches and solutions.

Equity: We champion equity, recognizing that each of us need different things to thrive.

Inclusion: We intentionally create and hold space so that we all have meaningful opportunities to participate and contribute to Ecology's work.

Respect: We treat each other with respect and dignity, acknowledging the inherent worth of our diverse perspectives and lived experiences, even in times of uncertainty and disagreement.

We believe that DEIR is both a goal and an action. We are on a journey, honoring our shared humanity and taking steps to demonstrate our commitment to a vision where each of us is heard, seen, and valued.

Duties



What is unique about this position?

In this role you will work on complex and challenging water quality surface water problems with other Ecology team members and, at times, with external stakeholders and scientists.

What you will do:

- Apply environmental engineering best practices for water quality mathematical modeling and pollutant loading capacity.
- Provide professional engineering expertise in the field of environmental engineering to understand the hydrodynamics and biochemistry of complex surface water systems including estuaries, lakes, rivers and streams.
- Independently conduct modeling studies including hydrological and water quality models.
- Serve as a technical lead for Total Maximum Daily Load projects. This task includes development of Quality Assurance Project Plans, study design and scoping, coordination with Water Quality Program staff, may include field monitoring, data analysis, mathematical modeling, report writing and presentations to peers and lay audiences.
- Develop scripts and code to run models, prepare input files and post-process output data.
- Make recommendations to management for developing and/or changing regulations, policies, and guidelines necessary for pollution abatement.

Qualifications

Required Qualifications:

This is an In-Training position: The goal class for this position is an Environmental Engineer 3 (EE3). We will consider applicants who meet the requirements for both the EE3 and the EE2 levels. If the finalist meets the requirements at the EE2 level, then they will be hired as an EE2 and will be placed in a training program to become an EE3 within a specified period of time.

At the Environmental Engineer 2 level: Pay Range 61 (\$5,399 - \$7,085 – monthly) (In-Training)

Option 1: An Engineer-In-Training Certificate or a Bachelor's degree with a major study in one of the following engineering fields: sanitary, civil, geotechnical, water resources, environmental, chemical, mechanical or related field **AND** Two years of experience in environmental engineering.

Option 2: A Master's degree or above with a major study in one of the following engineering fields: sanitary, civil, geotechnical, water resources, environmental, chemical, mechanical or related field **AND** One year of experience in environmental engineering.

At the Environmental Engineer 3 level: Pay Range 67 (\$6,260 - \$8,216 monthly) (Goal Class)

Option 1: An Engineer-In-Training Certificate or a Bachelor's degree with a major study in one of the following engineering fields: sanitary, civil, geotechnical, water resources, environmental, chemical, mechanical or related field **AND** Registration as a Professional Engineer in the state of Washington or another state based on registration requirements equivalent to those in Washington **AND** three years of experience in environmental engineering.

Option 2: A Master's degree with a major study in one of the following engineering fields: sanitary, civil, geotechnical, water resources, environmental, chemical, mechanical or related field **AND** Registration as a Professional Engineer in the state of Washington or another state based on registration requirements equivalent to those in Washington **AND** two years of experience in environmental engineering.

Option 3: A Ph.D. degree with a major study in one of the following engineering fields: sanitary, civil, geotechnical, water resources, environmental, chemical, mechanical or related field **AND** Registration as a Professional Engineer in the state of Washington or another state based on registration requirements equivalent to those in Washington **AND** one year of experience in environmental engineering.

Special Requirements / Conditions of Employment:

- Must possess and maintain a valid driver's license.

- Registration as a Professional Engineer in the state of Washington at the Environmental Engineer 3 Level.

Desired Qualifications:

We highly encourage you to apply even if you do not have some (or all) of the desired experience below.

- Experience scripting in MATLAB, R, Python or other scripting language.
- Experience working with one, two or three dimensional biogeochemical water quality models.
- Knowledge of principles, practices, methods and techniques for water quality monitoring, data gathering, research and field investigations; technical report writing.
- Skills and aptitude in data management including attention to detail.

Note: Having some (or all) of this desired experience may make your application more competitive in a highly competitive applicant pool.

NOTE: Requirements for professional registration as an engineer in the state of Washington are eight years of professional experience (which may include up to four years of college-level engineering education) and successful completion of sixteen hours of professional licensing exams.

Individuals who are interested in applying to this position, and believe they meet licensing requirements for the State of Washington based on reciprocity, are responsible for ensuring they meet licensing requirements for the State of Washington prior to submitting their application materials. These requirements can be found at the following website: WA State: Board of Registration for Professional Engineers: How to get your license: Professional engineer by comity.

Supplemental Information

Ecology seeks diverse applicants: We view diversity, equity, inclusion, and respect through a broad lens including race, ethnicity, class, age, religion, sexual orientation, gender identity, immigration status, military background, language, education, life experience, physical disability, neurodiversity, and intersectional identities. Qualified candidates from all backgrounds are encouraged to apply.

Need an Accommodation in the application and/or screening process or this job announcement in an alternative format?

- Please call: (360) 407-6186 or email: careers@ecy.wa.gov and we will be happy to assist.
- If you are deaf or hard of hearing you can reach the Washington Relay Service by dialing 7-1-1 or 1-800-833-6388.
- If you need assistance applying for this job, please e-mail careers@ecy.wa.gov. Please do not send an email to this address to follow-up on the status of your application. You can view the latest status of your application on your profile's main page.
- **If you are reading this announcement in print format**, please enter the following URL to your search engine to apply: <https://ecology.wa.gov/About-us/Get-to-know-us/Jobs-at-Ecology>.

Application Instructions:

It's in the applicant's best interest to **submit all of the documents listed below**. Applications without these documents may be declined.

- A cover letter describing why you are interested in this position.
- A resume outlining your experience and education (if applicable) as it relates to the minimum qualifications of this position.
- Three professional references.

Please do NOT include your salary history. Wage/salary depends on qualifications or rules of promotion, if applicable.

For Your Privacy:

When attaching documents to your application (such as Resume, Cover Letter, Transcripts, DD-214, etc.):

- Please be sure to remove private information such as your social security number, date of birth, etc.
- Do not attach documents that are password-protected, as these documents may not be reviewed and may cause errors within your application when downloaded.

Additional Application Instructions for Current Ecology Employees:

Please make sure to answer the agency-wide questions regarding permanent status as a classified employee within the Washington General Service or Washington Management Service. Do not forget to select Department of Ecology as a response to question 2, and type your personnel ID number for question 3. If you are not sure of your status or do not know your personnel ID number, please contact Human

Resources.

Application Attestation:

The act of submitting application materials electronically is considered affirmation that the information is complete and truthful. The state may verify this information and any untruthful or misleading answers are cause for rejection of your application or dismissal if employed.

Other Information:

If you have specific questions about the position, please email **Cristiana Figueroa-Kaminsky** at: Cristiana.Figueroa-Kaminsky@ecy.wa.gov. Please do not contact **Cristiana** to inquire about the status of your application.

To request the full position description: email careers@ecy.wa.gov

Why work for Ecology?

As an agency, our mission is to protect, preserve and enhance Washington's environment for current and future generations. We invest in our employees to create and sustain a working environment that encourages creative leadership, effective resource management, teamwork, professionalism, and accountability.

Joining Ecology means becoming a part of a team committed to protecting and restoring Washington State's environment. A career in public service allows you to help solve some of the most challenging problems facing our state, while keeping your health and financial security a priority. We combine one of the most competitive benefits packages in the nation with a strong commitment to life/work balance.

Ecology employees may be eligible for the following:

Medical/Dental/Vision for employee & dependent(s), Public Employees Retirement System (PERS), Vacation, Sick, and other Leave^{*}, 11 Paid Holidays per year^{*}, Public Service Loan Forgiveness, Tuition Waiver, Long Term Disability & Life Insurance, Deferred Compensation Programs, Dependent Care Assistance Program (DCAP), Flexible Spending Arrangement (FSA), Employee Assistance Program, Commute Trip Reduction Incentives (Download PDF reader), Combined Fund Drive, SmartHealth *See the Benefits tab in this announcement for more information

Student debt: how working for Ecology can help

The Department of Ecology is a qualifying employer for the Public Service Forgiveness Program (PSLF). See <https://studentaid.ed.gov/sa/repay-loans/forgiveness-cancellation/public-service> for more details.

To learn more about The Department of Ecology, please visit our website at www.ecology.wa.gov and follow, like or visit us on [LinkedIn](#), [Twitter](#), [Facebook](#), [Instagram](#) or our [blog](#).

Collective Bargaining: This is a position covered by a bargaining unit for which the Washington Federation of State Employees (WFSE) is the exclusive representative.

Equal Opportunity Employer: The Washington State Department of Ecology is an equal opportunity employer. We strive to create a working environment that includes and respects cultural, racial, ethnic, sexual orientation and gender identity diversity. Women, racial and ethnic minorities, persons of disability, persons over 40 years of age, veterans, military spouses or people with military status, and people of all sexual orientations and gender identities are encouraged to apply. Persons needing accommodation in the application/testing process or this job announcement in an alternative format may call (360) 407-6186. Applicants who are deaf or hard of hearing may call the Washington Relay Service by dialing 7-1-1 or 1-800-833-6388.

Note: This recruitment may be used to fill other positions of the same job classification across the agency. Once all the position(s) from the recruitment announcement are filled, the recruitment may only be used to fill additional open positions for the next sixty (60) days.