

INTERNSHIP JOB DESCRIPTION

ENVIRONMENTAL ENGINEERING SUPPORT



ABOUT Engineering Services (ES), UW Facilities

UW Facilities manages the University's buildings, infrastructure, and land, with more than 1,100 employees in a variety of fields. The Asset Management group includes Engineering Services, Capital & Space Management, Real Estate, Sustainability, and other teams responsible for planning and workload management. The Operations group includes Project Delivery, Maintenance & Construction, Campus Utilities & Operations, Building Services, Transportation Services, and Safety. Supporting these groups, as well as the separate Emergency Management team, are the Business Intelligence & Information Technology group and the Finance & Administration group.

This internship is part of the Engineering Services group which provides professional engineering support and is responsible for facility and asset data collection and integrity. The internship will support greenhouse gas accounting and reporting under the environmental engineer.

POSITION PURPOSE

Put classroom skills to work in a real world setting, assisting with greenhouse gas accounting and reporting for all three University of Washington campuses to help the University better understand its impacts to the environment and reach its Sustainability Action Plan goals. During the internship, you will learn about local, state, and federal climate change regulations and reporting programs. Position reports to the Facilities Environmental Engineer.

RESPONSIBILITIES

Greenhouse Gas Accounting (30%)

Assist with data collection for greenhouse gas (GHG) reporting to meet requirements of 40 CFR Part 98, WAC 173-441, the Washington State Climate Commitment Act, and the American College & University Presidents' Climate Commitment. You will learn how to collect utility consumption data and emission factor data for Scope 1 and Scope 2 emissions in Western Washington.

Historical Greenhouse Gas Database Management (40%)

Assist with building a database of UW's historical GHG emissions and utility consumption. You will learn about database management basics and have the opportunity to work with Tableau and Python.

Greenhouse Gas Reporting (30%)

Assist in preparing GHG reports for the EPA and the Department of Ecology. You will learn how to calculate Scope 1 and Scope 2 emissions, as well as how to use EPA's e-GGRT tool, and Ecology's WEDGE tool. You may also be involved in GHG mitigation reporting for the WA Climate Commitment Act (Washington's new cap and trade bill).

QUALIFICATIONS

- Current enrollment as an undergraduate student at start of internship
- Proficiency in or ability to learn Microsoft Office: Word, Excel, and Access; proficiency in Python preferred
- Inherent to success in this position is the ability to manage proactively, take initiative, work independently, communicate effectively, and exercise good judgment

TO APPLY

Email resume and cover letter to:	Jecca Canet (jgcanet@uw.edu)
Use subject line:	ES-Environmental Engineering Internship
Application Deadline:	5:00 pm Thursday, April 14, 2022
Internship Term:	April 2022 - July 2022
More Information:	https://facilities.uw.edu/unit/engineering

