

ICON KEY



THE OFFICE OF SUSTAINABILITY

The Office of Sustainability works to reduce the College's green house gas emissions, while creating innovative programs, events, and initiatives to engage the campus in environmental and social justice issues. Their main office is located within the K Building, while the Outreach Coordinator (C212) and Student Transportation Coordinator (C106) are located in C Building.



RAIN GARDEN

Comprised of native plants, rain gardens assists in the removal of harmful pollutants from storm water before reaching streams, lakes, and the Puget Sound.



LEED® CERTIFIED

LEED® (Leadership in Energy and Environmental Design) is a green building certification system, providing verification that a building or community was designed and built using strategies aimed at sustainability.



GREEN ROOF

Green roofs assist in regulating the indoor temperature of buildings, while also reducing reflective heat that contributes to the Urban Heat Island Effect. The plants work to slow stormwater runoff and filter toxins and sediments in the process. (Not Accessible to Tour)



GEOTHERMAL HEATING

Geothermal heating harnesses the earth's stable core temperature to make building spaces comfortable for occupants, and therefore eliminates the need for fossil fuel heating/cooling systems.



SOLAR PANELS



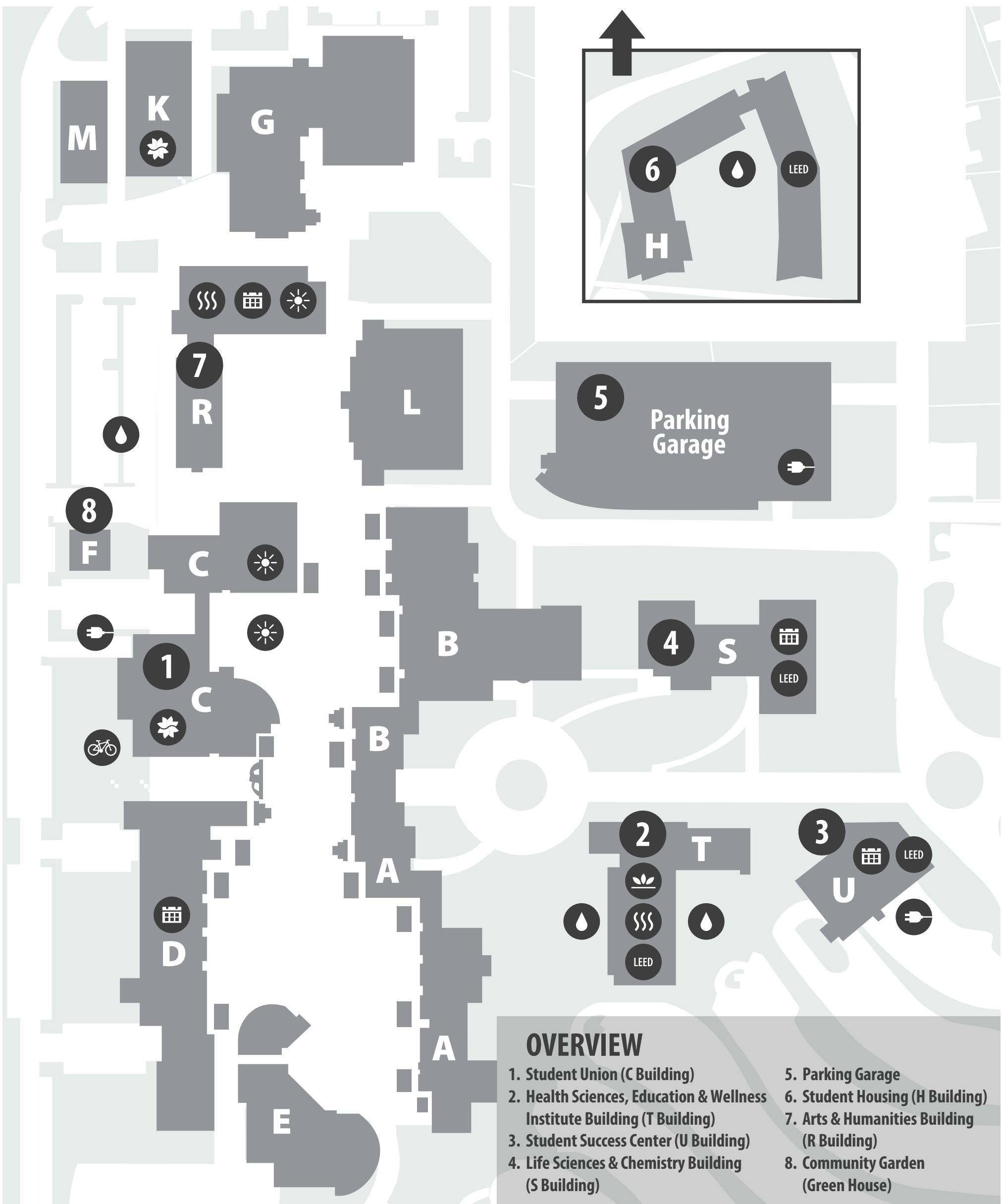
BIKE RENTALS



ELECTRIC VEHICLE CHARGING STATION



MENSTRUAL PRODUCT DISPENSER



OVERVIEW

- | | |
|--|--|
| 1. Student Union (C Building) | 5. Parking Garage |
| 2. Health Sciences, Education & Wellness Institute Building (T Building) | 6. Student Housing (H Building) |
| 3. Student Success Center (U Building) | 7. Arts & Humanities Building (R Building) |
| 4. Life Sciences & Chemistry Building (S Building) | 8. Community Garden (Green House) |

1 STUDENT UNION C BUILDING

The **cafeteria and campus cafés**, provide nearly 100% compostable serviceware, such as coffee cups, plates, cutlery, and straws, and more much! Vegetarian and organic options are available, along with fair trade coffee served all over campus.

New to the C Café, **EvoEco Smart Bins** help guide waste sorting through engaging and interactive displays. The screens scroll through sorting guidelines, while sensors weigh items and detect if items have been improperly disposed of, prompting users to think again about their choice.

2 HEALTH SCIENCES, EDUCATION & WELLNESS INSTITUTE BUILDING T BUILDING (LEED® Gold)

The Health Sciences, Education, and Wellness Institute building, opened in the fall of 2015, is a LEED® Gold educational facility. The following are some of the building's sustainable features:

Earth Tubes

Ground source pumps moderate the temperature of incoming outside air, thereby reducing energy consumption. During the hot summers, the earth tubes are able to provide up to nine degrees of free cooling.

Solar Shades

Located on the exterior of the building, solar shades provide natural shading and reduce the load on cooling systems in the warmer months.

Efficient Lighting

Efficient bulbs and lighting systems like LED lighting, motion sensors, and daylighting reduce energy consumption.

Rapidly Renewable Materials

On the interior of the building, rapidly renewable materials (e.g. bamboo) are used as an alternative to traditional lumber made of old-growth trees that can take centuries to grow.

Low Flow Water Fixtures

Using low flow fixtures means toilets and urinals save over 40% of water when compared to conventional fixtures.

Porous Concrete

Permeable sidewalks allow stormwater to easily flow into the ground and be filtered, instead of going directly into storm drains and carrying sediments and pollutants with it.

3 STUDENT SUCCESS CENTER U BUILDING (LEED® Silver)

The Student Success Center is BC's first version 4 LEED certified building and is certified LEED® Silver. Set to be a hub for student resources and activities, it exemplifies the College's commitment to advancing pluralism, inclusion and global awareness; and will act as a catalyst and collaborator for our vibrant region. With these themes at the forefront, the U Building has an abundance of sustainable features incorporated throughout.

Energy and Atmosphere

A variable refrigerant flow (VRF) heating and cooling system, energy efficient lighting, building controls, and other energy saving strategies allow the SSC to require 20% less energy compared to current industry standards.

Low-Emitting Materials

Low-emitting products were used for 100% of the paints & coatings, flooring, ceilings, walls, and insulation. Volatile Organic Compounds (VOCs) are solids or liquids that consist of a variety of chemicals and when emitted, may have short and long-term health effects on building occupants.

Site Development

The landscape design reinforces the native and adaptive northwest plant pallet. Following the example set by the rest of campus, the SSC project protected native trees on site, and restored existing landscapes in parking islands

and around the edge of construction by removing invasive species and planting new native plants.

Material Recovery

The wood used to construct the outdoor seating and tables for the building was salvaged and recovered from trees cut down during the construction of the Student Housing building. All offcuts and scraps from the milling process were turned into wood chips and used as mulch at the SSC and around campus

Water Efficiency

By installing low flow water fixtures, toilets, and urinals, the water usage for the building can be reduced by over 35%.

4 LIFE SCIENCES & CHEMISTRY BUILDING S BUILDING (LEED® Gold)

The Life Sciences and Chemistry Building opened in 2009 and received LEED® Gold certification. This science building contains 22 labs and classrooms along with many sustainable features.

Downward Lighting

Outside the building, you'll find lighting designed to reduce light pollution, which negatively affects wildlife and washes out our view of the stars. These downward facing lamps can also be found outside the T Building and Student Housing.

Apiary

Hear that buzzing? Behind the S Building, multiple beehives reside and are maintained by BC's Beekeeping Club. Club members learn how to keep a healthy and thriving colony by applying effective and sustainable apiary techniques. New members welcome!

5 PARKING GARAGE

Fix-it Station and Practice Bus Rack

To help bicyclists ride to, from, and around campus, there's a bike fix-it station, along with a practice bus rack. Use the fix-it station's tire pump and tools for a bike tune-up or the practice bus rack to get comfortable loading a bike onto a metro bus without the pressure of doing it in real time.

Bus Shelter

The Bus Shelter provides real-time bus arrival information, making it convenient to take alternative transportation while being inside and protected from the weather.

Covered Bike Parking

In the NW corner of the 1st floor and the SE corner of the 4th floor, a total of 66, covered bicycle parking spots are available with racks to securely lock your bike and keep it out of the rain.

6 STUDENT HOUSING H BUILDING (LEED® Platinum)

Built with sustainability in mind, BC's first student housing building received the highest LEED® certification, platinum. The building opened in Fall 2018 and has the capacity to house 400 students.

Energy and Water Consumption Dashboard

Located in the 1st floor hub, the utility dashboard shows the buildings real-time electricity and water usage. Residents can keep tabs on their consumption and make improvements in their day-to-day lives to reduce their use and help BC be green.

Building features

This green building has super-efficient domestic hot water heat pumps, LED lighting throughout, a solar-ready rooftop design, and covered bike parking. The interior materials were selected to be sustainable, durable, and high quality and were required to meet strict VOC (volatile organic compounds) emission and indoor air quality criteria for LEED®. The building also achieved various certifications including FloorScore, Green Label Plus, and Greenguard. Lastly, many of the interior furniture and products not only contain recycled material, but can be easily maintained and recycled at the end of their life cycle.

7 ARTS & HUMANITIES BUILDING R BUILDING

The Arts and Humanities building has **natural ventilation** as well as **ground source heating**, which uses the earth's stable core temperature to heat and cool the building. This innovative system reduces the need for mechanical fans and therefore eliminates their associated electrical consumption.

On the roof, 83 KW **solar photovoltaic array**, produces enough to power about 70% of the building during a sunny day.

In the parking lot you'll find a storm water management feature called a **bioswale**. This bioswale was started as a student project in 2016 and was funded through the SESF. It works by filtering out toxins and sediments in surface runoff before the water reaches the storm drain. Students worked with faculty, staff, BC clubs, and bioswale experts to develop the design, aiming to reduce the amount of parking lot pollutants entering our waterways.

8 COMMUNITY GARDEN GREEN HOUSE (INSIDE ACCESS FOR CLASS ONLY)

Surrounding the greenhouse community gardens are maintained by students, faculty, and staff. Facing Snoqualmie River Road is the student garden, where garden club maintains the beds and learns about sustainable gardening from seed to plate. On the other side is the faculty and staff garden. A place where faculty and staff can work in the dirt and de-stress during a busy week. New members welcome for both.

... FEATURES AROUND CAMPUS

Bathrooms have **hand dryers** to conserve paper and reduce greenhouse gas emissions.

Paper towel composting at North Campus and Student Housing aim to divert waste from the landfill, and instead paper towels are broken down and transformed into a nutrient rich soil amendment-compost! Each bathroom has a green compost bin where paper towels used to dry hands can be disposed of and then sent to our compost hauler, Cedar Grove.

Water-refill stations are scattered throughout campus to encourage the use of reusable cups and bottles in order to reduce single-use plastic.

The Cigarette Recycling Program, diverts waste from the landfill by collecting the cigarettes and ashes from smoke huts on campus and shipping them to TerraCycle, a company that recycles and transforms what would be waste into useful items such as pallets and park benches. Who knew cigarettes could be anything but litter!

Recycling on campus is co-mingled, meaning that recyclables (paper, plastic, glass, and aluminum) can all go into the same bin and ultimately dumpster, making it more convenient and easy for everyone.