

## ASU Sustainability Certification Program - Lab

University Sustainability Practices

Your lab is on its way to being officially **Green Lab Certified** by the ASU Environmental Health and Safety Department Green Lab Program. As a Certified Green Lab, your achievement will be recognized by the university and the scientific community. Your lab will be provided a lab safety registration door sign indicating your Green Lab status. You may find this certification status beneficial during your future research and proposals.

### Lab information

Principal Investigator

Department

Green lab coordinator

Coordinator email

(Designated person to communicate green initiatives with your lab and the ASU Green Labs Program).

(You are welcome to include multiple rooms on the line below or provide a list separately).

Lab building name and room number

Number of employees in lab

Lab registration number

### Lab staff commitment

I, \_\_\_\_\_, (Principal Investigator) am applying for ASU EHS Green Lab Certification. My signature below affirms that, to the best of my knowledge, this lab has successfully completed all steps required for certification. We are aware of the significant environmental impact of scientific research and the lab members have committed to achieving ASU Green Lab Certification.

PI signature

Email address

Date

### Applying for:

Bronze (13 to 33 points)

Silver (33 to 63 points)

Gold (63 to 93 points)



## **ASU Green Lab self-assessment**

### **Instructions:**

**Complete and submit this self-assessment.** Determine which activities your lab is achieving or plan to achieve by checking the box on the left side of the assessment activities. The total points will determine which level of green lab you achieved for your lab (Bronze, Silver or Gold). Email completed self-assessments to the ASU Green Lab Program at [greenlabs@asu.edu](mailto:greenlabs@asu.edu).

### **Communication and education**

- (1 pt) Discuss lab sustainability topics and track goal progress at weekly staff meetings.
- (1 pt) Share application submission with all lab members so they are aware of their commitment and areas of improvement.

**Subtotal: \_\_\_\_/2**

### **Energy efficiency and conservation**

- (3 pt) Have laboratory freezer or refrigerator in a centralized location for multiple users.
- (2 pt) Freezer or refrigerator equipment is Energy Star rated.
- (1 pt) Freezer or refrigerator equipment defrosted on a regular basis, and the coils and motors are regularly cleaned.
- (2 pt) Ultra-low temperature freezers are set to -70° Celsius.
- (1 pt) Maintain refrigerator inventory and discard expired items
- (1 pt) Set all equipment (i.e., computers, heat plates, monitors and spinner plates, etc.) to energy-saving modes or turn them off when not in use.
- (1 pt) Energy vampires (i.e., battery chargers, cell phone chargers, etc.) are unplugged when not in use.
- (1 pt) Use task light when working alone.
- (2 pt) Lights are turned off when daylight is adequate.
- (2 pt) Ensure lights are off in vacant or rarely used areas (cold rooms, storage rooms, etc.).
- (2 pt) Motion sensors are used to automatically shut off the lights when the lab is vacant.
- (2 pt) Close fume hood sashes when not in use.
- (2 pt) Request and install fume hood energy conservation stickers. Request at [greenlabs@asu.edu](mailto:greenlabs@asu.edu).

**Subtotal: \_\_\_\_/22**



## Recycling and waste reduction

- (1 pt) Meeting agendas and information are sent electronically in place of providing printed copies.
- (2 pt) Send electronic waste to ASU Surplus and send disused batteries to EHS.
- (2 pt) Boxes, envelopes and packaging material are reused in the lab or returned to vendor for reuse.
- (3 pt) Reduce unwanted mail by **removing names from mailing lists**.
- (2 pt) Have a shared supplies area to limit wasting extra quantities of ordered items.
- (2 pt) Use **ASU Surplus** to pick-up unwanted materials.
- (1 pt) Print double-sided.
- (1 pt) Use scratch paper from one-sided printed paper.
- (1 pt) Request a recycling bin **from Zero Waste** and use it.
- (2 pt) Application of **ASU's Recycling** and Zero Waste program. Watch the **video**.
- (2 pt) Request a Blue Bag **from Zero Waste** and use it.
- (1 pt) Segregate waste to minimize contamination.
- (3 pt) Practicing any of the EPA American Chemical Society **12 Principles of Green Chemistry**.
- (2 pt) Participate in the **Chemical Exchange Program**.

**Subtotal: \_\_\_\_/25**

## Water conservation

- (1 pt) Water leaks in pipes or sinks are immediately reported to **Facilities Management**.
- (1 pt) Employees are trained to use water conservatively.
- (2 pt) Using energy efficient vacuum pumps in replacement of water aspirators.

**Subtotal: \_\_\_\_/4**



## Purchasing

- (2 pt) Laboratory purchases and uses glass or other recyclable laboratory ware.
- (1 pt) Purchase recycled paper.
- (3 pt) Energy Star and other energy efficient equipment are purchased when possible.
- (3 pt) Purchase high performance and low volume style fume hoods when possible.
- (2 pt) Attempt to decrease packaging on shipped products via requesting low or no excess packaging in shipping instructions.
- (2 pt) Nontoxic and biodegradable products such as **Safer Choice** are used.
- (2 pt) Chemicals and other needed materials are routinely inventoried and purchased in small or as needed amounts.

**Subtotal: \_\_\_\_/15**

## Create your own Green Lab activities for your laboratory to achieve.

Share any sustainable ideas for ASU laboratories that you use. You may also include other information you think should be considered relevant to the goals of the Green Labs Program.

- (5 pts) Click or tap here to enter text.
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- (5 pts) Click or tap here to enter text.

**Application points total: \_\_\_\_\_**

Thank you for submitting this assessment. We appreciate your efforts to reduce ASU's environmental footprint.

If you have any ideas, questions or suggestions, email [greenlabs@asu.edu](mailto:greenlabs@asu.edu) or call 480-965-1823.

I understand that by completing this application I am subscribing to an email list and that ASU University Sustainability Practices may send emails to the address I provided. I further understand that I may unsubscribe by selecting the unsubscribe link in the email messages I receive.