



# Bee Campus USA Annual Report for 2018 Pollinator Conservation & Education

University of North Carolina Asheville  
Asheville, North Carolina



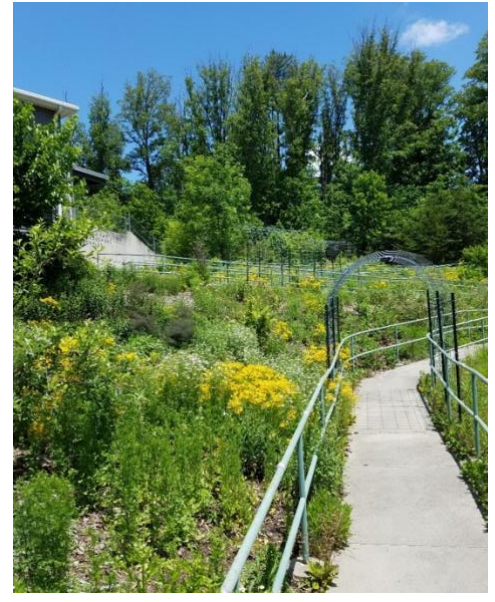
## EDUCATION & OUTREACH



UNC Asheville hosted several education and outreach events last year with a combined attendance of almost 300. These events include:

Event Name	Date	Est. attendance
Ramsey Seed Library Launch (photo above center)	3/26/2018	40
Feed the Bees- Brown Bag Lunch Presentation	3/28/2018	25
Science Festival Event: Make Your Own Bee Box (photo above left)	4/24/2018	50
Asheville Newcomers- Bee Hotel Tour	4/26/2018	12
Bring your kids to work day: Bee Hotel Tour	4/26/2018	18
Tabling: Food and Pollinators	4/27/2018	40
co-present AASHE Bee Campus webinar	6/20/18	40
Asheville GreenWorks garden tour	6/26/18	40
Spriggley's Bee Lecture and Tour	9/12/18	5
Fall Grounds Tour	11/16/18	15

# POLLINATOR HEALTH & HABITAT



UNC Asheville Grounds Department planted over 1,500 native pollinator friendly plants last year:

Planting or Habitat Creation	Date	# of plants planted
Phenology Gardens, Chestnut Ridge	summer 2018	50
Campus View Pollinator Parking Lot	Summer 2018	100
P1 Parking Lot	4/5/18	19
Core Zone 3 Hillside	4/9/18	15
Campus Dr. Below Pond	4/19/18	8
Campus Dr. North-facing Slope	4/19/18	10
Front of Millar	4/19/18	5
P12 Parking Lot (Zageir)	5/18/18	9
Behind Sherrill	5/18/18	14
Front of Millar	5/18/18	17
Campus Drive	5/30/18	18
P11 Parking Lot (across from Sherrill)	5/31/18	4
P12 Parking Lot (Zageir)	5/31/18	4
Behind Sherrill	6/28/18	10
Greenway	8/27/18	27
Pisgah House	8/27/18	11
Baseball Field Breezeway	9/11/18	500

## POLICIES & PRACTICES



### Recommended Locally Native Plant Species Lists

#### Dry Meadow:

<https://facilities.unca.edu/sites/default/files/Sunny%20Dry%20Meadow%20Plant%20List.pdf>

#### Sunny:

<https://facilities.unca.edu/sites/default/files/Sunny%20Average-Moist%20Plant%20List.pdf>

#### Moist:

<https://facilities.unca.edu/sites/default/files/Sunny%20Moist-Wet%20Plant%20List.pdf>

#### Shady:

<https://facilities.unca.edu/sites/default/files/Shady-Edge%20Habitat%20Plant%20List.pdf>

### Regional Native Plant Supplier List—

<https://www.ashevillegreenworks.org/native-pollinator-plants-and-nurseries.html>

### Pollinator Friendly Integrated Pest Management Plan—

<https://facilities.unca.edu/sites/default/files/UNCAshevilleIPMPlan0718071.doc.pdf>

## SERVICE-LEARNING

In the summer, a local high school student chose to complete her required service learning project with the UNC Asheville Grounds Department. The student prepped nesting materials for cavity-nesting native bees. She then helped community members assemble their own bee hotels to take home. The student wrote a paper on native bees and presented the information to her high school classmates.

Also last summer, one of UNC Asheville's Biology faculty members facilitated a research project for two UNC Asheville undergraduate students studying visitation of flowers by certain pollinators.

## CURRICULUM




UNC Asheville offers several courses that explore pollinators including: Plant Ecology, Forest Ecology, Flowering Plant Systematics, Wildlife Ecology and Management, Entomology, Field Botany. In addition to these Biology and Environmental Studies courses, UNC Asheville also offers a first year seminar course called Honeybees and Humans. Over twenty incoming freshmen participated in the course last Fall, during which they helped manage the honeybee hives on campus.

# EDUCATIONAL SIGNAGE




## Cavity Nesters

More than 90% of bees in North America are solitary nesters, constructing and provisioning their own nest. Typically, nests have separate brood cells in which females lay one egg per cell. Brood cells may be lined with pieces of leaves, mud, or a waxy secretion to protect the developing bee from drying out, excess moisture, fungi, and disease. Each cell is provisioned with a food source called "bee bread" made up of a mixture of pollen and nectar.



Thirty percent of native bees are cavity nesters including, mason bees and carpenter bees. These are the types of bees that live in the Bee Hotel. In nature, these bees may use abandoned beetle tunnels in dead trees. Other bees will nest in hollow stems or chew out the central pith of plants like elderberry.



UNC Asheville spent time developing new signage for our Bee Hotel. The signs explain the differences between native bees and honey bees; describe cavity nesting habitat; cover threats to bees; and more. The signs are still awaiting approval; we hope to put them up later in 2019.

## CONTACT US!

**Committee**— UNC Asheville Bee Committee; Jackie Hamstead, [jhamstea@unca.edu](mailto:jhamstea@unca.edu)

**Website**—<https://facilities.unca.edu/pollinator-gardens-unc-asheville>