

**Note: The 2022 curriculum will be made available later in the Spring.
No major changes are expected to be made from 2021.**

Curriculum Schedule (subject to change)

NATURAL RESOURCES CAREERS CAMP

Sunday, July 25 – Saturday, July 31, 2021

Hickory Environmental Education Center
604 Pride Parkway, Accident, Maryland
Garrett County
301-746-8461

Presented by

**The Maryland Association of Forest
Conservancy District Boards**
and
Allegany College of Maryland

In partnership with

The Maryland Forestry Foundation
and
**The Maryland Department of Natural Resources —
Forest Service**

Students successfully completing the entire week-long NRCC 2021 Camp will be eligible to:

- Apply for several \$1,000 college scholarships.
- Complete the Boy Scout requirements to earn the Forestry Merit Badge.
- Receive two college credits at Allegany College of Maryland for an "INTRODUCTION TO FORESTRY" course with these conditions:
 - ✓ Students must pass a final exam at the end of the week.
 - ✓ Students must pay separate tuition plus fees to Allegany College of Maryland. The cost will depend on your County/State of residence plus your high school status (returning to HS vs. graduate). A letter will be sent to all campers prior to camp which explains the program.
 - ✓ Credits will transfer to many colleges in Maryland and surrounding states. You might consider contacting the school where you are considering enrollment prior to signing up for the credit.

Camp Staff:

Camp Director: Gabrielle Oldham, Chair of Cecil County Forestry Board

Curriculum Director: James Watson, Assistant Professor, Allegany College of Maryland

Additional Assistance Provided by: Marie Perrin Miller- ACM Forestry and Steve Resh, Retired ACM Forestry

SUNDAY, JULY 25

Parents drop students off between 3 and 4 pm

3:00 – 4:00	Registration, Cabin Assignments
4:00 – 4:30	Welcome
4:30 – 5:00	Meet Your Group and Counselors — James Watson and Forestry Interns from Allegany College of Maryland
5:00 – 6:00	Icebreaker Activities — Gabrielle Oldham and James Watson
6:00 – 7:00	Recreation & Cookout Dinner
7:00 – 8:30	Wildlife Management — Clarissa Harris, MD DNR Wildlife
8:30 – 10:00	Maryland's Misunderstood Mammal — TBA
10:00 – 10:30	Snacks
10:30	To Cabins
11:00	Lights Out

MONDAY, JULY 26

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — James Watson or Gabrielle Oldham
8:00 – 9:00	Breakfast/Clean-up
9:00 – 10:30	Tree Identification — Allegany College
10:15 – 11:15	Break <i>Students interested in College Credits will officially register.</i>
11:15 – 12:00	Developing a Management Plan — MD DNR Forester
12:00 – 1:00	Lunch
1:00 – 1:30	Travel by bus to Casselman River State Park, Grantsville, MD <i>Students rotate in three groups through the following three activities.</i>
1:30 – 2:30	What is in Our Streams? — DNR Fisheries
2:30 – 3:30	Soils Workshop — Brad Metzger, MDE
3:30 – 4:30	Wild Lands Fire Suppression — DNR Forest Service
4:30 – 5:00	Return by bus to Hickory Environmental Center
5:00 – 6:00	Recreation
6:00 – 7:00	Dinner with Career Night guests
7:00 – 8:30	Career Night, What's My Line –
8:30 – 10:00	Scales n' Tales —
10:00 – 10:30	Snacks
10:30	To Cabins
11:00	Lights Out

TUESDAY, JULY 27

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — James Watson or Gabrielle Oldham
8:00 – 9:00	Breakfast/Clean-up
9:00 – 11:00	GPS Data Collection — Allegany College of Maryland
11:00 – 12:00	Using GPS Data
12:00 – 1:00	Lunch
1:00 – 2:00	The Power of GIS – Amo Oliverio- Garrett College
2:00 – 5:00	Team GIS Project
5:00 – 6:00	Recreation
6:00 – 7:00	Dinner/Clean-up
7:00 – 8:30	Basic Tree Measurement Tools (DBH, Merchantable Height, Tree Volume and Value) — James Watson
8:30 – 10:00	Keeping or making your forest healthy (Silviculture) — ACM Forestry Department
10:00 – 10:30	Snacks
10:30	To Cabins
11:00	Lights Out

WEDNESDAY, JULY 28

7:00 – 8:30	Rise & Shine/Clean cabins Breakfast/Cleanup
8:30 – 9:00	Travel to Appalachian Timber Sawmill, PA.
9:00 – 11:00	Tour Sawmill, Summit Forest Products
11:00 – 11:45	Travel back to Hickory
12:00 – 1:00	Lunch and cleanup
1:00 – 2:00	Forest Measurements/Silviculture Discussion Melissa Nash, DNR Forest Service
2:00 – 5:00	Forest Measurements/Forest Health Field Work/Data Collection
5:00 – 6:00	Recreation
6:00 – 7:00	Dinner with College Night Guests.
7:00 – 9:00	College Night — College Faculty
9:00 – 10:00	Western Maryland Nocturnal Sounds – Kevin Dodge, Garrett College
10:00 – 10:30	Snacks
10:30	To Cabins
11:00	Lights Out

THURSDAY, JULY 29

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — James Watson or Gabrielle Oldham
8:00 – 9:00	Breakfast/Clean-up
9:00 – 11:00	Data collection if necessary, workup (volumes/acre value and stocking levels)
11:00 – 12:00	Panel, Introduction to Arboriculture, — Commercial Arborist, Utility Arborist, State and local government representatives
12:00 – 1:00	Lunch
1:00 – 5:00	Students rotate in three groups through these activities. Tree Planting & Pruning, Davey Tree Staff. Tree Climbing — Bartlett Tree Experts Staff Chain Saw Safety and cutting—
5:00 – 6:00	Recreation
6:00 – 7:00	Dinner/Clean-up
7:00 – 8:00	Complete data Workup — Allegany Interns and groups
8:00 – 10:00	Bear Management in Maryland – Harry Spiker, DNR Wildlife and Heritage
10:00 – 10:30	Snacks
10:30	To Cabins
11:00	Lights Out

FRIDAY, JULY 30

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — James Watson or Gabrielle Oldham
8:00 – 9:00	Breakfast/Clean-up
9:00 – 11:00	Management Plan Preparation — Allegany Interns
11:00 – 12:00	Meet with landowners
12:00 – 1:00	Lunch
1:00 – 4:00	Continue Management Plan preparation.
4:00 – 5:00	Practice presentations of management plans
5:00 – 6:00	Recreation <i>Students interested in College Credits will complete a short exam.</i>
6:00 – 7:30	Dinner/Clean-Up
7:30 – 10:30	Campfire/Snacks, (bring your instruments, talents and skits)
10:30	To Cabins
11:00	Lights Out

SATURDAY, JULY 31

***Parents and friends are invited to attend the
Management Plan presentations by the campers
&
Awards Ceremony***

7:00 – 7:50	Rise & Shine/Clean Cabins
7:50 – 8:00	Announcements — James Watson or Gabrielle Oldham
8:00 – 9:00	Breakfast/Clean-up
9:00 – 10:00	Pack/Camp Clean-up/Inspection
10:00 – 12:00	Management Plan Team Presentations —
12:00 – 12:30	Awards Ceremony — James Watson, Gabrielle Oldham, Allegany Interns
12:30	Depart Hickory