

# Curriculum Schedule

(subject to change)

# NATURAL RESOURCES CAREERS CAMP

Sunday, July 22 – Saturday, July 28, 2018

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 2018 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:**

**Curriculum Director: Marie Miller, Assistant  
Professor, Allegany College of Maryland**

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

**Logistics Director: Luther Weigle, Allegany  
College of Maryland**

# SUNDAY, JULY 22

*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 — Marie Miller and Forestry Interns from Allegany College of Maryland
5:00 – 6:00	Icebreaker Activities — Gabrielle Oldham and Marie Miller
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 — Appalachian Environmental Lab
10:00 – 10:30	Snacks
10:30	To Cabins
11:00	Lights Out

# MONDAY, JULY 23

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Luther's Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — Marie Miller or Gabrielle Oldham
8:00 – 9:00	Breakfast/Clean-up
9:00 – 10:30	Tree Identification —
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? — Alan Klotz, DNR Fisheries
2:30 – 3:30	Soils Workshop — Brad Metzger, MDE
3:30 – 4:30	Wild Lands Fire Suppression — DNR Forest Service Forester
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	Scale n' Tales —
10:00 – 10:30	Snacks
10:30	To Cabins
11:00	Lights Out

# TUESDAY, JULY 24

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Luther's Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — Marie Miller 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 –
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) — Marie Miller
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 25

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 26

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Luther's Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — Marie Miller 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 27

7:00 – 7:50	Rise & Shine/Clean Cabins
7:30 – 7:50	Luther's Morning Movies (Optional)
7:50 – 8:00	Announcements/Questions — Marie Miller 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 28**

***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 — Marie Miller 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 — Marie Miller, Gabrielle Oldham, Allegany Interns
12:30	Depart Hickory