

Curriculum Schedule

(subject to change)

NATURAL RESOURCES CAREERS CAMP

Sunday, July 23 – Saturday, July 29, 2023

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 2023 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: Marie Miller, Forestry
Program Director, Allegany College of Maryland**

Logistics Director:

SUNDAY, JULY 23

Parents drop students off between 3 and 4 pm

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| 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 — TBA |
| 10:00 – 10:30 | Snacks |
| 10:30 | To Cabins |
| 11:00 | Lights Out |

MONDAY, JULY 24

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|---------------|--|
| 7:00 – 7:50 | Rise & Shine/Clean Cabins |
| 7:30 – 7:50 | 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 — Julie Conway, MD DNR Forest Ranger |
| 10:15 – 11:15 | Break <i>Students interested in College Credits will officially register.</i> |
| 11:15 – 12:00 | Developing a Management Plan — Adam Miller, 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? — Kenny Wampler, DNR Fisheries |
| 2:30 – 3:30 | Soils Workshop — Brad Metzger, MDE |
| 3:30 – 4:30 | Wild Lands Fire Suppression — Tim Cole, MD 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 — MD DNR Park Service |
| 10:00 – 10:30 | Snacks |
| 10:30 | To Cabins |
| 11:00 | Lights Out |

TUESDAY, JULY 25

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| 7:00 – 7:50 | Rise & Shine/Clean Cabins |
| 7:30 – 7:50 | 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 – 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) — 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 26

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| 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 27

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| 7:00 – 7:50 | Rise & Shine/Clean Cabins |
| 7:30 – 7:50 | Morning Movies (Optional) |
| 7:50 – 8:00 | Announcements/Questions — Marie Miller or Gabrielle Oldham |
| 8:00 – 9:00 | Breakfast/Clean-up |
| 9:00 – 10:00 | Data collection if necessary, workup (volumes/acre value and stocking levels) |
| 10:00 – 11:00 | PEPCO Hotline Demonstration |
| 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— Allegany College Staff |
| 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 28

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|---------------|---|
| 7:00 – 7:50 | Rise & Shine/Clean Cabins |
| 7:30 – 7:50 | 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 29

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

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| 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 |