

# Chesapeake Bay Landscape Professional Certification



Stormwater & Green Infrastructure Workforce Development Forum

National Conservation Training Center, Shepherdstown, WV

September 11, 2019

# CBLP Programs

|                                 | Audience                         | Cost  |
|---------------------------------|----------------------------------|---|
| CBLP Level 1                    | Landscape professionals          | \$445   |
| CBLP Level 2                    | Landscape professionals          | \$580/\$630   |
| CBLP-A<br>(Associate)           | Young people entering work force | Partner fee to establish program: \$3500<br>Registration: \$50 per person |
| Maintenance Certificate (Pilot) | Maintenance crew leaders/Crew    | TBD   |



# CBLP Program Requirements

|                                      | Entry into Program  | Requirements for Completion                       | Recertification                |
|--------------------------------------|---|---|--------------------------------|
| CBLP Level 1 Certification           | Degree or certificate OR pro certification OR work experience     | 2-day class + Written exam                        | 20 CEUs every 2 years<br>\$150 |
| CBLP Level 2 Certification           | Level 1 certification + experience in design/installation of BMPs | 3-day seminar + project + written assessment      | None                           |
| CBLP-A Certificate                   | None  | Combined passing score (quizzes, field exercises) | None                           |
| Maintenance Crew Certificate (Pilot) | None  | 1-day workshop + in-class quizzes                 | None                           |



# CBLP Program Content

**Level 1** baseline credential with a focus on design, install, maintenance of stormwater practices and sustainable landscapes

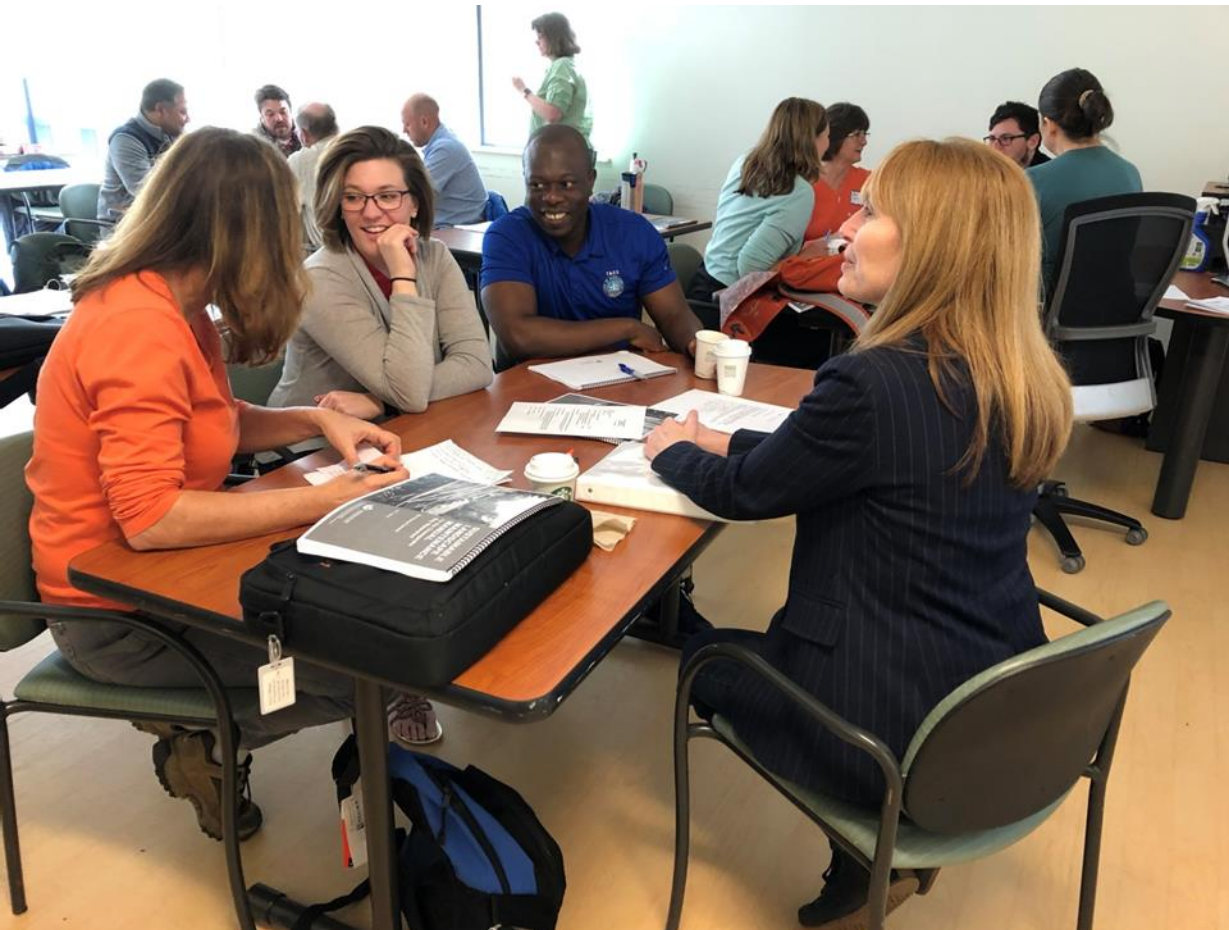
**Level 2** advanced credential in design, installation

**CBLP-A (Associate)** introduction to green infrastructure and sustainable landscaping

Program Hallmarks – We Teach:

- *collaborative practice*
- *critical thinking*
- *proactive approach*
- *adaptive management*
- *unique ecology and regulatory environment of the Bay region*

# CBLP Classroom Experience



- Experienced Instructors
- “Flipped Classroom”
- Active Learning
- Self-Study



# Level 1 Field Maintenance Practicum

- Good, Bad and Ugly
- BMP Inspection “Visual Indicators” Protocol
- Understanding Why BMPs Fail
- Simple Tools
- Guest Speakers
- Collaboration

Vegetated Practices: bioretention, rain gardens, bioswales, filter strips, living wall, buffers/shoreline, constructed wetlands, infiltration w/ vegetation. NOTE: Shaded cells to be used for BMP verification

|  |  |                                 |
|--|--|---------------------------------|
| Date of Inspection: _____  | Project/BMP Name: _____  | Plan/BMP # if applicable: _____ |
| Type of Inspection: <input type="checkbox"/> Verification 1 <sup>st</sup> Inspection for Permit Cycle <input type="checkbox"/> Verification Re-Inspection To Confirm Corrective Actions  |  |                                 |
| BMP Type: <input type="checkbox"/> Stormwater Retrofit <input type="checkbox"/> New LID Practice <input type="checkbox"/> Old Stormwater Practice <input type="checkbox"/> Homeowner BMP |  |                                 |
| Date BMP Placed into Service: _____  | Site Address: _____  |                                 |
| Verification Inspector: _____  | Inspector Credential(s): _____   |                                 |
| Photo #s Taken at Site: _____  | Is BMP Still Present? <input type="checkbox"/> YES <input type="checkbox"/> NO |                                 |

| Component:   | Check For:   | Observations: | VERIFICATION  |
|--|--|---------------|---|
| Drainage Area  | <input type="checkbox"/> Erosion<br><input type="checkbox"/> Sediment/Grit/Dirt<br><input type="checkbox"/> Stockpiles:<br><input type="checkbox"/> Bare soil<br><input type="checkbox"/> Chemicals, oil, etc.:<br><input type="checkbox"/> Other: |               | <input type="checkbox"/> Drainage area conforms to plan?<br>If different from plan, note how it is different: |
| Inlets to Practices:<br><input type="checkbox"/> Pipes | <input type="checkbox"/> Obstruction<br><input type="checkbox"/> Erosion   |               |   |





# Level 2 Intensive Seminar Content

**Day 1 – Site Assessment; Soil  
Vegetation Protection**

**Day 2 – Stormwater  
Design & Installation**

**Day 3 – Natural Plant  
Communities**



# Program Outcomes/Metrics

- L1 trained: 630
- L1 certified: 447
- L2 trained/certified: 77/60
- CBLP-A: 55
- Advanced training attendees: 172



## Level 1 “Hands On” Projects (2016-17)

### *Reductions:*

Sediment – 699,104 lbs

Nitrogen –1873 lbs

Phosphorus - 1117 lbs



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