



PRE-CERTIFICATION/ CERTIFICATION PROGRAMS

INTRODUCTION TO UMD MASTER GARDENER PROGRAM & FOOD SCIENCE CAREERS

Trainees will be provided with an overview of the Masters Gardeners Program through the University of Maryland Extension. The goal of the program is to ensure that trainees will have a deeper understanding of the agricultural world and how they can play a part, both at home and through career choice.

FIRST AID, AED AND CPR

Trainees will participate in First Aid, AED and CPR training by a nationally recognized certification authority. Trainees participate in classes that will provide the information and the skills needed to help adults, children and infants during breathing and cardiac emergencies.

Trainees will also learn how to use an automated external defibrillator (AED) to assist anyone suffering from cardiac arrest.

JOB TRAINING

Self-Control
Excellence
Responsibility
Courteous

Honesty
Respect

CHARACTER EDUCATION

BECOMING BETTER CITIZENS

Students will receive training to help them address concerns or needs in the following areas:

- Abstinence-Based Teen Pregnancy Prevention
- Anxiety, Depression and Anger Management
- Conflict Resolution
- Etiquette
- Financial Literacy
- Fitness
- Food & Nutrition
- Health Education & Sex Education
- Hygiene & Personal Care
- Individual and Group Counseling
- Leveraging Community Resources
- Maintaining Healthy Relationships
- Planning & Goal Setting
- Problem Solving
- Self-Advocacy, Self-Confidence & Self Esteem
- Substance Abuse and Alcohol Prevention

EVIDENCED-BASED LIFE SKILLS TRAINING



JOB RESPONSIBILITIES

FOOD SCIENCE STEM

Working hand in hand with Master Gardeners, trainees will participate in a hands on urban agriculture and gardening course, learning how soil and sun analyses are performed, how to plant a successful fresh fruit, vegetable and herb garden, and plant a demonstration garden from which the entire community can benefit.

Trainees will also participate in a STEM Lab through Towson University's Sci-Tech Lab where they will work with an aquatic bioluminescent bacteria species (*V. phosphoreum*) to investigate antimicrobial properties of different plant species to determine which plants produce a chemical that can kill bacteria. They will also learn how to use a micropipette, understand the importance of controls in an experiment and the importance of natural products (chemicals produced by plants that have a pharmacological effect) in our everyday lives.

URBAN & HOME FARMING

In addition, trainees will be introduced to urban farming from both an operational and entrepreneurship/social enterprise perspective. They will learn how a vacant commercial or residential lot can be transformed into an urban farm.

MASTER GARDENER/ URBAN AGRICULTURE

BEAUTIFYING OUR COMMUNITIES: ONE BLOCK AT A TIME



PARTNERS

- Baltimore City Farm Alliance
- Ecological Landscaping Alliance
- Power In Dirt
- Mayor's Office of Workforce Development – Youth Works
- University of Maryland's Extension Program— Master Gardener Program



(855) 7-AT-RISK

PROGRAM BENEFITS

- 1) A Food Science and Nutrition STEM Program that promotes science with practice — an inquiry-based hands on learning experience in a real world environment
- 2) Career, College and Everyday Living Prep,
- 3) Evidenced-Based Life Skills Training that assists trainees in building self-esteem, teaches positive conflict resolution and that assists trainees in managing anxiety, depression and anger
- 4) Exposure to Urban Farms in commercial and residential settings from an entrepreneurial perspective, and
- 5) Opportunity to participate in a neighborhood beautification project that provides desperately needed services to community residents.



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A Community
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