

# WEI

Western Education Institute

## Master Certification in Horticulture & Agriculture

Optional Cannabis Concentration Available



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This accredited training program prepares graduates for careers in organic farming, agriculture / community gardening, and other sustainable agriculture related careers. A third specialized cannabis focused certificate can be added. Students can obtain an Organic Greenhouse & Sustainable Agriculture Farming Certificate Level 1, Organic Greenhouse & Sustainable Agriculture Farming Certificate Level 2, Hemp 101 or Cannabis 101 certification individually or complete them all to be certified as a Master Grower / Manager. Courses are 8 weeks in duration and equate to 3 credit hours each. Courses are in hybrid format and students' complete courses using a combination of online learning and on-site practicum.

**\*Cannabis students must complete their coursework online and their practicum at a licensed legal farm or grow.**

## **Organic Greenhouse & Sustainable Agriculture Certificate Level 1. Comprised of 8 classes, and 2 practicums. Intended for Organic Greenhouse and Farm Workers. Classes are:**

1. Farm Maintenance, Structures & Systems
2. Greenhouse Nutrition & Water Systems, Science & Conservation
3. Organic Greenhouse Management & Plant Propagation
4. Post-Harvest Processes
5. Integrated Pest Management & Plant Health
6. Principles of Plant Science
7. Organic Crop Planning & Production Practicum (Spring or Fall)
8. Organic Crop Planning & Production Practicum (Summer or Winter)



## **Organic Greenhouse & Sustainable Agriculture Farming Certificate Level 2. Comprised of 13 classes (8 from the Level 1 Certification) and 2 practicums. Intended for Organic Greenhouse and Outdoor Master Growers or Managers. Classes are:**

1. Farm Maintenance, Structures & Systems
2. Direct Food Marketing
3. Agriculture Business Overview, Industry & Economics Specialty, and Intensive Mini Courses (electives) would include Sustainable Livestock Management, Introduction to Permaculture, Herb Cultivation, Hydroponics, Vermiculture, Fruit & Berry Production, Field & Cereal Crops, Introduction to Bio-Fuel Input & Production, Composting, Aquaponics, and Aeroponics
4. Post-Harvest Processes
4. Organic Crop Planning & Production Practicum (Spring or Fall)
5. Organic Crop Planning & Production Practicum (Summer or Winter)

## **Optional Cannabis Concentration (Prerequisite Level 1 or Level 2 Certification):**

Cannabis Agriculture: Natural Farming

Cannabis Agriculture: Hydroponic Growing

Cannabis Agriculture: Large Scale Commercial Growing

Industrial Agricultural Hemp