



Hydroponic Vine Crop Intensive Workshop

with **Dr. Triston Hooks** February 2nd - 4th, 2024

Friday, February 2nd

Morning Session (Online and In-Person)

9:00 am - 10:00 am	Introductions & History of the CEAC
10:00 am - 11:00 am	Overview of Controlled Environment Agriculture (CEA) and Hydroponics
11:00 am - 12:00 pm	Hydroponic Vine Crop Propagation and Transplanting

Afternoon Session (In-Person Only)

12:00 pm - 1:00 pm	Lunch Provided
1:00 pm - 2:30 pm	CEAC Facilities Tour
2:30 pm - 3:00 pm	Break
3:00 pm - 4:00 pm	Hands-on Hydroponic Vine Crop Propagation
4:00 pm - 5:00 pm	Hands-on Hydroponic Vine Crop Transplanting





Hydroponic Vine Crop Intensive Workshop

Saturday, February 3rd

Morning Session (Online and In-Person)

- | | |
|----------------------------|--|
| 9:00 am - 10:00 am | Hydroponic Nutrient Solutions and Plant Nutrition |
| 10:00 am - 11:00 am | Plant Response to Light and Environmental Factors |
| 11:00 am - 12:00 pm | Vine Crop Morphology and Plant Steering |

Afternoon Session (In-Person Only)

- | | |
|---------------------------|--|
| 12:00 pm - 1:00 pm | Lunch Provided |
| 1:00 pm - 2:00 pm | Hands-on with Nutrient Solution Stocks, Fertigation, and EC/pH Measurements |
| 2:00 pm - 3:00 pm | Hands-on with Greenhouse Equipment, Sensors, and Controls |
| 3:00 pm - 3:30 pm | Break |
| 3:30 pm - 5:00 pm | Hands-on Hydroponic Vine Crop Steering |



THE UNIVERSITY OF ARIZONA
BIOSYSTEMS ENGINEERING
Controlled Environment
Agriculture Center



Hydroponic Vine Crop Intensive Workshop

Sunday, February 4th

Morning Session (Online and In-Person)

- | | |
|----------------------------|---|
| 9:00 am - 10:00 am | Integrated Pest Management (IPM) for CEA and Vine Crops |
| 10:00 am - 11:00 am | Vine Crop Pollination, Fruit Development, and Harvesting/Grading |
| 11:00 am - 12:00 pm | Review and Q&A with CEAC Faculty |

Afternoon Session (In-Person Only)

- | | |
|---------------------------|--|
| 12:00 pm - 1:00 pm | Lunch Provided |
| 1:00 pm - 2:30 pm | Hands-on with IPM and Beneficial Insects |
| 2:00 pm - 3:00 pm | Hands-on with Greenhouse Bumblebees and Vine Crop Pollination |
| 3:00 pm - 3:30 pm | Break |
| 3:30 pm - 5:00 pm | Hands-on Harvesting, Grading, and Tasting Hydroponic Vine Crops |
| 5:00 pm - 5:30 pm | Group Photo and Farewells |



THE UNIVERSITY OF ARIZONA
BIOSYSTEMS ENGINEERING
Controlled Environment
Agriculture Center