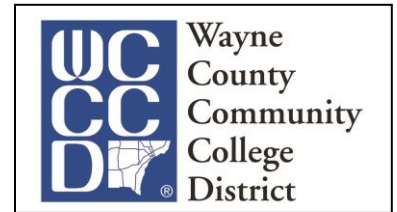


# Fruit and Vegetable Crop Management

## A unique partnership with Wayne County Community College District

The Institute of Agricultural Technology (IAT) has partnered with Wayne County Community College District (WCCCD) in Detroit, MI to offer a unique way to help students earn an MSU certificate in Fruit and Vegetable Crop Management while also working toward an Associate of Applied Science Degree. This unique partnership allows students to access resources in academics, financial aid, career services, and student life at Michigan State University and Wayne County Community College District.

**For more information contact:** *Jacqueline Grow*  
**Program Coordinator**  
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### Fruit and Vegetable Crop Management

27 MSU Credits min. requirement  
 +21 WCCCD Credits min requirement  
**= 48 total credits for certificate**

27 MSU credits min. requirement  
 +33 WCCCD credits min. requirement  
**= 60 total credits for Certificate & Associate**

Required MSU Courses 27 credits			Wayne County Community College District Courses. 33 credits	
AT 293	Professional Internship in Agricultural Technology	3 cr.	Natural Science Requirement	8 credits
AT 202	Agricultural Regulation, Compliance and Safety	3 cr.	Math Requirement	4 credits
CSS 143	Introduction to Soil Science	2 cr.	Humanities Requirement	6 credits
ENT 110	Applied Entomology of Economic Plants	3 cr.	Social Science Requirement	6 credits
HRT 206	Training and Pruning of Plants	1 cr.	Written and Oral Communications	6 credits
HRT 207	Horticulture Career Development	1 cr.	Program Requirements	3 credits
HRT 218	Irrigation Systems for Horticulture	3 cr.		
PLP 105	Fundamentals of Applied Plant Pathology	2 cr.		
	MSU approved electives	9 cr.		

\* Specific courses will be determined by the Wayne County Community College District Catalog and as approved by the Institute of Agricultural Technology program coordinator.

AT	202	<b><u>Agricultural Regulation, Compliance and Safety</u></b> Regulation, laws, compliance and safety as it relates to Michigan's agricultural sector. Michigan Occupational Safety and Health Administration safety standards, food safety, water protection, pesticide and fertilizer application and voluntary programs for agricultural producers. Preparation for the pesticide core exam.	Online	Fall	3 credits
AT	293	<b><u>Professional Internship in Agricultural Technology</u></b> Supervised professional experience in agencies, business and industry related to a student's major field of study.			3 credits
CSS	143	<b><u>Introduction to Soil Science</u></b> Soil and its impact on plant growth, plant and water relations, drainage, nutrients, soil as a resource, and erosion control techniques.	Online	Fall & Spring	2 credits
ENT	110	<b><u>Applied Entomology of Economic Plants</u></b> Arthropod pests of horticultural plants and turf grasses. Groups and species of economic importance to Michigan.	Face to Face	Fall Odd Years	3 credits
HRT	206	<b><u>Training and Pruning Plants</u></b> Principles and techniques of pruning for landscape and nursery ornamentals, Christmas tree production, tree fruits, and small fruits. Pruning practices, equipment, and basic large tree care techniques. Class meets last five weeks of the semester.	Face to Face	Spring Even Years	1 credit
HRT	207	<b><u>Horticulture Career Development</u></b> Internship preparation and identification of employment opportunities. Career goal establishment, resume construction, correspondence development, personal budgeting, interview skills and strategies.	Face to Face	Fall	1 credit
HRT	218	<b><u>Irrigation Systems for Horticulture</u></b> Design, installation and maintenance of irrigation systems for turfgrass and landscape plants. Design hydraulics, equipment selection, pump stations, water features, water quality and conservation.	Hybrid	Spring Even Years	3 credits
PLP	105	<b><u>Fundamentals of Applied Plant Pathology</u></b> Diseases of major agronomic and horticultural plants. Disease management. Offered first ten weeks of the semester	Face to Face	Fall Even Years	2 credits

Michigan State University reserves the right to make changes in its programs, policies, rules, regulations, procedures, fees, tuition, organizational structure, faculty, and staff through the appropriate university processes. Every effort will be made to give as much advance notice as possible in the event of such changes.

MSU is an affirmative-action, equal-opportunity employer.

06/2017

