



November 3, 2015

Dr. Steve Neal
Assistant Dean for Academic Affairs
100E Agricultural Administration Building
2120 Fyffe Rd
Columbus, OH 43210

Dear Dr. Neal,

Enclosed please find the proposed curriculum plan for the Associate of Science in Horticultural Science (HORTSCI-AS), submitted for consideration by the FAES Academic Affairs Committee. The modifications of the current curriculum plan respond to the Ohio Department of Higher Education (ODHE) revised requirements for this degree program as indicated in the revised ODHE Guidelines and Procedures for Academic Program Review document, and are in alignment with the approved curriculum plan template for the Ohio State ATI Associate of Science degree program. The changes address the reduction in credit hours and alignment with the general education curriculum for this degree program. In addition, the proposed curriculum plan provides students with a course of study that will prepare them to transition smoothly to the corresponding four-year degree program(s) on the Columbus campus of The Ohio State University.

In conjunction with the Baccalaureate Sustainable Plant Systems program in Columbus, this program is being changed only slightly.

- HCS 2200 Science of Sustainable Plant Production was removed (-3 cr) and HCS 2202 Form and Function in Cultivated Plants was added (+4 cr)
- BIOTECH 2218T General and Applied Entomology was changed from an elective to required (+3 cr)
- HORTTEC 2110T Plant Materials I was changed from an elective to required (+3 cr)
- The number of electives was changed from 12 to 6 credits (-6 cr)
- Total number of credit hours was changed from 63 to 64
- Concurrence for the program change has been received from the Department of Horticulture and Crop Science

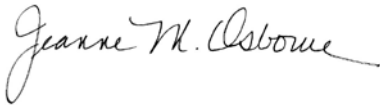
The proposed curriculum plan was developed by the Program Coordinator for the major. The courses that are included in the current and proposed curriculum plan were selected in consultation with other faculty involved in the program as well as stakeholder advisory committees and/or individuals. The proposed curriculum plan and course sequence were approved by the Horticultural Technologies Division at Ohio State ATI and the Ohio State ATI Academic Affairs committee. Ohio State ATI is committed to protecting the academic progress of students. In order that this proposed program change will not disrupt progress toward their degree, course substitutions and manual management of the degree audits will occur as needed for students enrolled in this degree program during the transition. When appropriate, coursework completed by students under the current degree program will be utilized for completion of the proposed degree program.

Enclosed please find the following documents:

- Current curriculum plan and course sequence for the Horticultural Science degree program
- Proposed curriculum plan and course sequence for the Horticultural Science degree program
- Concurrence for curriculum plan/course sequence

Please let me know if there are questions or additional information or documentation is required to accompany this submission. We look forward to hearing from the FAES Academic Affairs Committee regarding next steps in the approval process.

Sincerely,

A handwritten signature in cursive script that reads "Jeanne M. Osborne". The signature is written in black ink and is positioned to the left of the typed name.

Jeanne M. Osborne
Assistant Director, Academic Affairs

**ASSOCIATE OF SCIENCE DEGREE
HORTICULTURAL SCIENCE CURRICULUM PLAN**

Ohio State ATI – AS Degree		Major:	Horticultural Science	
Subject	Sem Crs	Course Dept. & Number	Course Title	Crs
English Composition and Literature	6 cr	ENGLISH 1110.01 AGRCOMM 2367	First-Year English Composition Agricultural Issues in Contemporary Society	3 3
Humanities	9 cr	HISTORY 1152 COMPSTD 2301 MUSIC 2250	American Civilization since 1877 Introduction to World Literature Music Cultures of the World	3 3 3
Social and Behavioral Sciences	6 cr	RURLSOC 1500 AEDECON 2001	Introduction to Rural Sociology Principles of Food & Resource Economics	3 3
Natural Science (physical and biological) and/or Mathematics	10-13 cr	BIOLOGY 1113 CHEM 1110 MATH 1148	Bio Sci: Energy Transfer and Development Elementary Chemistry College Algebra	4 5 4
Open Option or Cultures and Ideas	3 cr	HCS 2200	Science of Sustainable Plant Production	3
College/Career Orientation	1 cr	GENSTDS 1201T HORTTEC 1201T	College Orientation Exploring Horticulture	0.5 0.5
Minimum General Total	36 cr			38
Minimum of 24 cr. of transferable courses applicable to OSU bachelor's degree. Developed in consultation with affiliated department/unit where appropriate.	24 cr	CRPSOIL 2300T CRPSOIL 2301T HCS 2201 PLNTPTH 3001 PLNTPTH 3002 ELECTIVES	Introduction to Soil Science Introduction to Soil Science Lab Ecology of Managed Plant Systems General Plant Pathology Lecture General Plant Pathology Lab Consult advisor for selection	3 1 4 3 2 12
Other Course Total	24 min cr			25
Degree Totals	60 cr min– 70 cr max			63

HORTSCI-AS
Catalog Year
2014-2015

**Horticultural Science
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ELECTIVE	See List on Reverse Side – Consult Advisor	3
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
HORTTEC 1201T	Exploring Horticulture	.5
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		14
<u>1st Year – Spring Semester</u>		
AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CHEM 1110	Elementary Chemistry	5
HCS 2200	Science of Sustainable Plant Production	<u>3</u>
		15
<u>2nd Year – Autumn Semester</u>		
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
ELECTIVE	See List on Reverse Side – Consult Advisor	6
PLNTPTH 3001	General Plant Pathology Lecture	3
PLNTPTH 3002	General Plant Pathology Laboratory	<u>2</u>
		18
<u>2nd Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ELECTIVE	See List on Reverse Side – Consult Advisor	3
HCS 2201	Ecology of Managed Plant Systems	4
HISTORY 1152	American Civilization since 1877	3
MUSIC 2250	Music Cultures of the World	<u>3</u>
		16
	Total Credits	63

HORTSCI-AS
Catalog Year
2014-2015

Horticultural Science
Associate of Science

ELECTIVES – 12 hours required (select **any** combination in consultation with your advisor)

<u>GEC Courses (required in the BS degree in Sustainable Plant Systems)</u>		
AGRCOMM 3130	Oral Expressions in Agriculture	3
COMLDR 3537	Data Analysis in the Applied Sciences	3
COMPSTD 2370	Introduction to Comparative Religion	3
<u>Technical Electives</u>		
For all Sustainable Plant Systems specializations		
BIOTECH 2218T	General and Applied Entomology	3
<u>For Horticultural Science Specialization</u>		
HORTTEC 2110T	Plant Materials I	3
HORTTEC 2410T	Sustainable Nursery Management	4
HORTTEC 2500T	Greenhouse Environment Control	4
HORTTEC 2880T	Principles of Weed Science	3
<u>For Landscape Design and Management Specialization</u>		
HORTTEC 2110T	Plant Materials I	3
HORTTEC 2360T	Landscape Design	3
HORTTEC 2880T	Principles of Weed Science	3
<u>For Turfgrass and Sports Turf Science Specialization</u>		
HORTTEC 2110T	Plant Materials I	3
HORTTEC 2230T	Fundamentals of Turfgrass Science	3
HORTTEC 2260T	Sports Turf Operations Organization and Management	3
<u>For Agronomy Specialization</u>		
CRPSOIL 2200T	Introduction to Sustainable Agriculture	2
CRPSOIL 2201T	Sustainable Cropping Systems and Marketing	3
<u>For Ag Business Minor</u>		
AEDECON 2105	Managerial Records and Analysis	3
BUSTEC 2241T	Small Business Management	3
BUSTEC 2231T	Fundamentals of Marketing	3
<u>And any ONE (1) of the following:</u>		
BUSTEC 2232T	Personal Selling	3
BUSTEC 2249T	Fundamentals of Business Finance	3
BUSTEC 2248T	Introduction to Cooperatives	2
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2247T	Business Law	3

**ASSOCIATE OF SCIENCE DEGREE
HORTICULTURAL SCIENCE CURRICULUM PLAN**

Ohio State ATI		Major: Horticultural Science	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 2367	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	HISTORY 1152	3
		COMPSTD 2301*	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		HORTTEC 1201T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		HCS 2202	4
		HCS 2201	4
		MUSIC 2250*	3
Total General Education	37-40	Total General Education	43
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		BIOTECH 2218T	3
		CRPSOIL 2300T	3
		CRPSOIL 2301T	1
		HORTTEC 2110T	3
		PLNTPTH 3001	3
		PLNTPTH 3002	2
		Technical electives	6
		Total Transferable and Major Courses	21
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ASSOCIATE OF SCIENCE DEGREE
HORTICULTURAL SCIENCE CURRICULUM PLAN**

Ohio State ATI		Major: Horticultural Science	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	AGRCOMM 2367	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	HISTORY 1152	3
		COMPSTD 2301*	3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113	4
		CHEM 1110	5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T	0.5
		HORTTEC 1201T	0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		HCS 2202	4
		HCS 2201	4
		MUSIC 2250*	3
Total General Education	37-40	Total General Education	43
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		BIOTECH 2218T	3
		CRPSOIL 2300T	3
		CRPSOIL 2301T	1
		HORTTEC 2110T	3
		PLNTPTH 3001	3
		PLNTPTH 3002	2
		Technical electives	6
		Total Transferable and Major Courses	21
DEGREE TOTAL	60-65	DEGREE TOTAL	64

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

HORTSCI-AS
Catalog Year
2015-2016

Horticultural Science
Associate of Science

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st year – Autumn Semester</u>		
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
HORTTEC 1201T	Exploring Horticulture	.5
HORTTEC 2110T	Plant Materials I	3
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		14
<u>1st year – Spring Semester</u>		
AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CHEMISTRY 1110	Elementary Chemistry	5
HCS 2202	Form and Function in Cultivated Plants	<u>4</u>
		16
<u>2nd year – Autumn Semester</u>		
BIOTECH 2218T	General and Applied Entomology	3
COMPSTD 2301	Introduction to World Literature	3
CRPSOIL 2300T	Introduction to Soil Science Lecture	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
ELECTIVES	From approved list in consultation with advisor	3
PLNTPTH 3001	General Plant Pathology Lecture	3
PLNTPTH 3002	General Plant Pathology Laboratory	<u>2</u>
		18
<u>2nd year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
ELECTIVES	From approved list in consultation with advisor	3
HCS 2201	Ecology of Managed Plant Systems	4
HISTORY 1152	American Civilization since 1877	3
MUSIC 2250	Music Cultures of the World	<u>3</u>
		16
	TOTAL	64

ELECTIVES – 6 hours required (select **any** combination in consultation with your advisor)

<u>GE Courses (required in the BS degree in Sustainable Plant Systems)</u>		
AGRCOMM 3130	Oral Expressions in Agriculture	3
COMLDR 3537	Data Analysis in the Applied Sciences	3
RELSTDS 2370	Introduction to Comparative Religion	3
<u>For Horticulture Specialization in the BS degree</u>		
HORTTEC 2410T	Sustainable Nursery Management and Production	4
HORTTEC 2500T	Greenhouse Environment Control	4
<u>For Turfgrass and Sports Turfgrass Science Specialization in the BS degree</u>		
HORTTEC 2230T	Fundamentals of Turfgrass Science and Management	3
HORTTEC 2260T	Sports Turf Operations Organization and Management	3
<u>For Ag Business Minor</u>		
AEDECON 2105	Managerial Records and Analysis	3
BUSTEC 2241T	Small Business Management	3
BUSTEC 2231T	Fundamentals of Marketing	3
<u>And any ONE (1) of the following:</u>		
BUSTEC 2232T	Personal Selling	3
BUSTEC 2249T	Fundamentals of Business Finance	3
BUSTEC 2248T	Introduction to Cooperatives	3
BUSTEC 2244T	Human Resource Management and Leadership	3
BUSTEC 2247T	Business Law	3



202 Kottman Hall
2021 Coffey Road
Columbus, OH 43210-1086

Phone (614) 292-3854
Fax (614) 292-7162

metzger.72@osu.edu

November 12, 2015

Dr. James Kinder
Director, Ohio State ATI
211 Halterman Hall
Wooster, OH 44691

Dear Dr. Kinder:

The Department of Horticulture and Crop Science Academic Affairs Committee has reviewed the revised Degree Requirement Plans and 4-Year Roadmaps for the students transferring from the 2-year Associate of Science degree at ATI to the 4-year BS degree at OSU-Columbus and has made the following recommendations:

1. The Department should concur with the proposed Degree Plans and Roadmaps for the following subject areas:
 - Hort. Sci. major (A.S.) interested in SPS-Turfgrass Science (B.S.)
 - Hort. Sci. major (A.S.) interested in SPS-Landscape Design & Management (B.S.)
 - Hort. Sci. major (A.S.) interested in SPS-Horticulture (B.S.)
2. The Department of Horticulture and Crop Science should provide concurrence with the Degree Plan and Roadmap for the Agronomy major (A.S.) interested in SPS-Agronomy (B.S.) contingent upon implementation of curriculum changes in the SPS-Agronomy major designed to resolve the issues regarding the lack of similarity between CS 4411 'Grain, Oilseed and Fiber Crops' and CRPSOIL 2411T 'Grain and Oilseed Crops'; HCS5422 'Principles of Weed Ecology and Management and CRPSOIL 2422T 'Principles of Weed Control'; and HCS 5412 'Forages, Grasslands and Prairies' and CRPSOIL 2412T 'Forage Crops'. HCS will develop a three credit hour, 3000-level class that will cover the basic principles of production and management of agronomic crops. This course will draw elementary material HCS 4411, 5412, and 5422 and which is common in CRPSOIL 2411T, 2412T, and 2422T, respectively. Additional, more advanced material will then be added to the three HCS classes. As such the new course will serve as a prerequisite for the three more advanced HCS classes. ATI students transitioning to the SPS-Agronomy major who have taken CRPSOIL 2411T, 2412T, and 2422T will now be required to take HCS 4411, 5412, and 5422, but will receive credit for the new HCS 3000-level class. Until the proposed changes in the SPS-Agronomy curriculum are implemented, ATI students successfully completing CRPSOIL 2411T, 2412T, and 2422T will still receive credit for HCS 4411, 5412, and 5422, respectively.

I concur with both recommendations. I believe that the proposed changes in SPS-Agronomy major serves the interests of students in both programs.

Sincerely,

James D. Metzger
Professor and Chair
Department of Horticulture & Crop Science