

From: [Neal, Steve](#)
To: [Smith, Randy](#)
Cc: [Reed, Katie](#); [Lyvers Peffer, Pasha](#)
Subject: Requesting CAA Approval for ATI Agronomy Revision
Date: Sunday, November 26, 2017 4:40:49 PM
Attachments: [image001.png](#)
[ATI Agronomy AS Au2017.pdf](#)

Randy,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revision of the Agronomy associate of science (AS) major offered at the Agricultural Technical Institute (see attached proposal). This proposal was developed in consultation with the Department of Horticulture and Crop Science in response to changes in the Agronomy specialization in the Sustainable Plant Systems major. The ATI program is being modified to better align courses and to improve the transition for students between ATI and the Columbus campus (AS to BS degree). The proposed changes result in a slight increase in credit hours for the degree (from 62 to 62-63) as a result of technical elective options.

This proposal was reviewed and approved by the ATI Academic Affairs Committee and the College Academic Affairs Committee. Please let me know if any additional information is needed in support of this request.

Steve



Steven M. Neal, Ph.D.

Professor and Interim Associate Dean for Academic Programs
College of Food, Agricultural, and Environmental Sciences
100J Agricultural Administration, 2120 Fyffe Rd. Columbus, OH 43210
Office: 614-688-5612
Fax: 614-292-1218
neal.2@osu.edu



October 13, 2017

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 Agronomy (AGRONOM-AS), submitted for consideration by the FAES Academic Affairs Committee. The modifications of the current curriculum plan are in response to the revisions to the recently approved and enacted Sustainable Plant Systems – Agronomy BS program. The proposed curriculum plan provides students with a course of study that will prepare them to transition smoothly to the corresponding and newly revised four-year degree program on the Columbus campus of The Ohio State University.

Specifically, the proposed revisions to the Agronomy – AS program are:

- CRPSOIL 2324T Soil Management was added (+3 cr)
- CRPSOIL 2580T Soil Fertility and Fertilizers was added (+3 cr)
- CRPSOIL 2411T Grain and Oilseed Crops was removed; HCS 3100 Introduction to Agronomy was added (no net change in credit hours)
- Technical Elective credits were added; course options to fulfill the technical elective include courses that are required in the HCS Agronomy program, or that are options within the required minor equivalent (+5-6 cr)
- CRPSOIL 2412T Technology and Management of Forage Crops and CRPSOIL 2422T Weed Control Technology were removed from required courses (-6 cr) – included as options in the Technical Elective
- PLNTPTH 3001 General Plant Pathology Lecture and PLNTPTH 3002 General Plant Pathology Lab were removed (-5 cr) – included as options in the Technical Elective
- Total credit hours changed from 62 to 62-63

The proposed curriculum plan and course sequence were approved by the Agriculture and Engineering Technologies Division at Ohio State ATI and the Ohio State ATI Academic Affairs committee. Additionally, concurrence for the program has been received from the Department of Horticulture and Crop Science. Ohio State ATI is committed to protecting the academic progress of students. This program change will not disrupt progress toward degree for students enrolled in this degree program. 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 Agronomy degree program
- Proposed curriculum plan and course sequence for the Agronomy degree program
- Letter of concurrence from the Department of Horticulture and Crop Science

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 below the word "Sincerely,".

Jeanne M. Osborne
Assistant Director, Academic Affairs

**ASSOCIATE OF SCIENCE DEGREE
AGRONOMY CURRICULUM PLAN**

Ohio State ATI		Major: Agronomy	
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 or 3130 or ENR 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	Choose 2 of the following courses: HISTORY 1152 COMPSTD 2301* MUSIC 2250* RELSTDS 2370*	3 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 CHEM 1110 or 1210	4 5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T CRPSOIL 1201T	0.5 0.5
Additional OTM course(s) (from 5 GE categories above)		HCS 2201 HCS 2202	4 4
or Open Option (course(s) as defined by OSU Columbus major)			
Total General Education	37-40	Total General Education	40
Transferable and major courses applicable to OSU bachelor's degree		BIOTECH 2218T CRPSOIL 2189T CRPSOIL 2300T CRPSOIL 2301T CRPSOIL 2411T CRPSOIL 2412T CRPSOIL 2422T PLNTPTH 3001 PLNTPTH 3002	3 1 3 1 3 3 3 3 2
Developed in consultation with affiliated department/unit where appropriate			
		Transferable and Major courses	22
DEGREE TOTAL	60-65	DEGREE TOTAL	62

*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
AGRONOMY CURRICULUM PLAN**

Ohio State ATI		Major: Agronomy	
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 or 3130 or ENR 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	Choose 2 of the following courses: HISTORY 1152 COMPSTD 2301* MUSIC 2250* RELSTDS 2370*	3 3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3 3	AEDECON 2001 RURLSOC 1500	3 3
NATURAL SCIENCES	min. 6	BIOLOGY 1113 CHEM 1110 or 1210	4 5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T CRPSOIL 1201T	0.5 0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		HCS 2201 HCS 2202	4 4
Total General Education	37-40	Total General Education	40
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		BIOTECH 2218T CRPSOIL 2189T CRPSOIL 2300T CRPSOIL 2301T CRPSOIL 2411T HCS 3100 CRPSOIL 2412T CRPSOIL 2422T CRPSOIL 2324T CRPSOIL 2580T PLNTPTH 3001 PLNTPTH 3002 TECHNICAL ELECTIVE	3 1 3 1 3 3 3 3 3 3 2 5-6
		Transferable and Major courses	22-23
DEGREE TOTAL	60-65	DEGREE TOTAL	62-63

*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
AGRONOMY CURRICULUM PLAN**

Ohio State ATI		Major: Agronomy	
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 or 3130 or ENR 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	Choose 2 of the following courses: HISTORY 1152 COMPSTD 2301* MUSIC 2250* RELSTDS 2370*	3 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 CHEM 1110 or 1210	4 5
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T CRPSOIL 1201T	0.5 0.5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		HCS 2201 HCS 2202	4 4
Total General Education	37-40	Total General Education	40
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		BIOTECH 2218T CRPSOIL 2189T CRPSOIL 2300T CRPSOIL 2301T CRPSOIL 2324T CRPSOIL 2580T HCS 3100 TECHNICAL ELECTIVE	3 1 3 1 3 3 3 5-6
		Transferable and Major courses	22-23
DEGREE TOTAL	60-65	DEGREE TOTAL	62-63

*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.

AGRONOM-AS
Catalog Year
2016-2017

Agronomy
Associate of Science

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
CHEM 1110 or 1210**	Elementary Chemistry or General Chemistry	5
CRPSOIL 1201T	Exploring Agronomy, Sustainable Agriculture, and Crop Management and Soil Conservation	.5
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	<u>4</u>
		13
<u>1st Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
CRPSOIL 2412T	Forage Crops	3
HCS 2202	Form and Function in Cultivated Plants	4
ARTS/HUMANITIES	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		17
<u>2nd Year – Autumn Semester</u>		
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
BIOTECH 2218T	General and Applied Entomology	3
* CRPSOIL 2189T	Practicum in Crop and Soil Technologies	1
CRPSOIL 2422T	Principles of Weed Control	3
PLNTPTH 3001	General Plant Pathology Lecture	3
PLNTPTH 3002	General Plant Pathology Laboratory	<u>2</u>
		16
<u>2nd Year – Spring Semester</u>		
AGRCOMM 2367 or AGRCOMM 3130 or ENR 2367	Agricultural Issues in Contemporary Society Oral Expressions in Agriculture Communicating Environmental and Natural Resources Information	3
CRPSOIL 2411T	Grain and Oilseed Crops	3
HCS 2201	Ecology of Managed Plant Systems	4
ARTS/HUMANITIES	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	3
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		16
	Total Credits	62

* A grade of C or better required to meet graduation requirements.

** Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M:
or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
CHEM 1110 or 1210**	Elementary Chemistry or General Chemistry	5
CRPSOIL 1201T	Exploring Agronomy, Sustainable Agriculture, and Crop Management and Soil Conservation	.5
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
HCS 2201	Ecology of Managed Plant Systems	4
RURLSOC 1500	Introduction to Rural Sociology	3
		1315
<u>1st Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
CRPSOIL 2412T	Forage Crops	3
HCS 22023100	Form and Function in Cultivated Plants Intro to Agron	43
ARTS/HUMANITIES	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	3
AGRCOMM 2367 or AGRCOMM 3130 or ENR 2367	Agricultural Issues in Contemporary Society Oral Expressions in Agriculture Communicating Environmental and Natural Resources Information	3
		1716
<u>2nd Year – Autumn Semester</u>		
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
BIOTECH 2218T	General and Applied Entomology	3
CHEM 1110 or 1210**	Elementary Chemistry or General Chemistry	5
* CRPSOIL 2189T	Practicum in Crop and Soil Technologies	1
CRPSOIL 2422T2580T	Prin of Weed Control Soil Fertility and Fertilizers	3
PLNTPTH 3001	General Plant Pathology Lecture	3
PLNTPTH 3002	General Plant Pathology Laboratory	2
TECH ELECTIVE	From Approved List	3
		1615
<u>2nd Year – Spring Semester</u>		
AGRCOMM 2367 or AGRCOMM 3130 or ENR 2367	Agricultural Issues in Contemporary Society Oral Expressions in Agriculture Communicating Environmental and Natural Resources Information	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
CRPSOIL 2414T2324T	Grain and Oilseed Crops Soil Mngt	3
HCS 22042202	Ecol of Mngd Plant Syst. Form & Function Cult Plnts	4

ARTS/HUMANITIES	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	3
RURLSOC 1500	Introduction to Rural Sociology	3
TECH ELECTIVE	From Approved List	2-3
		16-17
	Total Credits	62-63

* A grade of C or better required to meet graduation requirements.

** Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M:
or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above

AGRONOM-AS
Catalog Year
2018-2019

Agronomy
Associate of Science

Course	Title	Credits
1st Year – Autumn Semester		
CRPSOIL 1201T	Exploring Agronomy, Sustainable Agriculture, and Crop Management and Soil Conservation	.5
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
HCS 2201	Ecology of Managed Plant Systems	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		15
1st Year – Spring Semester		
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
HCS 3100	Introduction to Agronomy	3
AEDECON 2001	Principles of Food and Resource Economics	3
ARTS/HUMANITIES	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	3
AGRCOMM 2367 or AGRCOMM 3130 or ENR 2367	Agricultural Issues in Contemporary Society Oral Expressions in Agriculture Communicating Environmental and Natural Resources Information	<u>3</u>
		16
2nd Year – Autumn Semester		
CHEM 1110 or 1210**	Elementary Chemistry or General Chemistry	5
BIOTECH 2218T	General and Applied Entomology	3
* CRPSOIL 2189T	Practicum in Crop and Soil Technologies	1
CRPSOIL 2580T	Soil Fertility and Fertilizers	3
TECH ELECTIVE	From approved list	<u>3</u>
		15
2nd Year – Spring Semester		
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
HCS 2202	Form and Function in Cultivated Plants	4
CRPSOIL 2324T	Soil Management	3
TECH ELECTIVE	From approved list	2-3
ARTS/HUMANITIES	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		16-17
	Total Credits	62-63

* A grade of C or better required to meet graduation requirements.

** Chem 1210 is open to students with one unit of high school chemistry and Math Placement Level L or M: or a grade of C- or above in Math 1130, 1131, 1148, 1150 or above

Approved List of Technical Electives		CR
CRPSOIL 2280T ^a	Applied Precision Agriculture	3
CRPSOIL 2422T	Weed Control Technology	3
CRPSOIL 2412T	Technology and Field Management of Forage Crops	3
PLNTPTH 3001 ^b	General Plant Pathology Lecture	3
PLNTPTH 3002 ^b	General Plant Pathology Laboratory	2
ENGTECH 2011T ^c	Small Engine Basics	4
ENGTECH 2016T ^a	Tillage, Planting, Harvesting, and Storage Equipment	3
ENGTECH 2040T ^c	Soil and Water Conservation Systems	4
BUSTEC 2231T ^c	Fundamentals of Marketing	3
BUSTEC 2244T ^c	Human Resource Management and Leadership	3
BUSTEC 2247T ^c	Business Law	3
ANMLTEC 2200T ^c	Introduction to Animal Sciences	3
ANMLTEC 2300T ^c	Introduction to Animal Sciences Laboratory	1

^a These courses will count toward the free elective in the bachelor degree in Sustainable Plant Systems, Agronomy Specialization

^b These courses are required for the bachelor's degree in Sustainable Plant Systems, Agronomy Specialization.

^c These ATI courses have course equivalents on the approved list for the minor equivalent groups (Group A: Farm Production and Management or Group B: Consulting and Industry) in the bachelor's degree in Sustainable Plant Systems, Agronomy Specialization.



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

October 31, 2017

Jeanne Osborne
Assistant Director, Academic Affairs
Ohio State ATI
Wooster, OH 44691

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

metzger.72@osu.edu

Dear Jeanne:

The Department of Horticulture & Crop Science has considered your request for concurrence for the proposed revision of the Agronomy AS degree program, and we provide concurrence to the first three proposed changes:

1. HCS 3100 has been added to the curriculum, replacing CRPSOIL 2411T effective SP 2018
2. CRPSOIL 2580T (Soil Fertility and Fertilizers, 3cr) and CRPSOIL 2324T (Soil Management, 3cr) replace PLNTPLTH 3001 (General Plant Pathology, 3cr) and PLNTPLTH 3002 (General Plant Pathology Laboratory, 2cr) in the Agronomy-AS program. However, this change will probably impact a decision of whether or not Plant Pathology should continue to offer a Wooster-based section of both PLNTPLTH 3001 and PLNTPLTH 3002.
3. 5-6cr of Technical Electives have been added to the curriculum, to be selected from an approved list of courses offered at Ohio State ATI. Most of the technical elective options have course equivalents which are in the SPS-Agronomy Minor Equivalent Group A (Farm Production and Management) and/or Group B (Consulting and Industry). To accommodate the addition of the technical electives, two courses (CRPSOIL 2412T Forage Crops; and CRPSOIL 2422 Weed Control Technology) were placed on the list of technical electives from which students may select.
4. However we do not support the fourth request to add CRPSOIL 2280T to the list of minor equivalent options for the SPS-Agronomy major. Currently AGSYSMT 4580 is required for minor equivalent in the SPS-Agronomy major. We feel that allowing CRPSOIL 2280T to fulfill an elective in the minor equivalent will not add to academic the academic experience for an SPS-Agronomy major and limits the breadth of the educational experience we were trying to achieve when we created the minor equivalent.

If you have further questions, please don't hesitate to ask.

Sincerely,

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