

Reed, Katie

From: Neal, Steve
Sent: Thursday, March 24, 2016 3:10 PM
To: Smith, Randy
Cc: Reed, Katie; Martin, Linda
Subject: Revision of ATI Certificate Programs
Attachments: Sports & Commercial Turf Equipment Certificate - Sp2016.pdf; Hydraulic Service & Repair Certificate - Sp2016.pdf

Randy,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revisions to the Sports/Commercial Turf Equipment Certificate and the Hydraulic Service and Repair Certificate offered at the Agricultural Technical Institute (ATI) to be effective beginning Autumn 2016. As you are aware, the Ohio Department of Higher Education revised requirements for certificates and the Agricultural Technical Institute has modified these programs to bring them into compliance. The revised certificates also conform to the updated Certificate of Competency requirement framework which was approved by CAA in autumn 2015.

A proposal is attached for each certificate program, consisting of a cover memo; the existing curriculum plan and course sequence; and the proposed curriculum plan and course sequence.

Each of the proposals have been approved by the ATI Academic Affairs Committee and they have also been reviewed and approved by 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 Assistant Dean for Academic Affairs
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February 22, 2016

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 Sports/Commercial Turf Equipment Certificate of Competency (TURFEQP-CR), 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 certificate as indicated in the revised *Guidelines and Procedures for Academic Program Review* document, and are in alignment with the approved curriculum plan template for the Ohio State ATI Certificate of Competency. The changes are also consistent with the approved revisions to related associate degree programs, and thus support the requirement that certificates are 'building blocks toward future degrees and with the intent of articulating the program into the next degree' (*Guidelines and Procedures for Academic Program Review*, p. 58).

While still maintaining the career preparation integrity of the Sports/Commercial Turf Equipment Certificate of Competency, the following changes were made:

1. GENCOMM 1115 Technical and Business Writing was removed (-3)
2. Social Science/ Humanities was removed (-3)
3. HORTTEC 2230T Fundamentals of Turfgrass Science and Management was removed (-3)
4. GENMATH 1140T Technical Mathematics I was removed (-3) and a minimum Math placement level requirement was added.
5. AGRCOMM 3130 Oral Expression in Agriculture was added. (+3)
6. ENGTECH 2191.04T Agricultural Systems Technology Internship was added (+2)
7. GENBIOL 1250T General Botany with Applications was added (+4)
8. Total credit hours were changed from 36 to 33

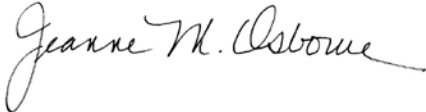
The proposed curriculum plan was developed by the Coordinator for the certificate. The courses that are included in the current and proposed curriculum plan were selected in consultation with other faculty involved in the Certificate as well as stakeholder advisory committees and/or individuals. The proposed curriculum plan and course sequence were approved by the Agricultural and Engineering 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 Certificate 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 Certificate during the transition. When appropriate, coursework completed by students under the current Certificate will be utilized for completion of the proposed Certificate.

Enclosed please find the following documents:

- Current curriculum plan and course sequence for the Sports/Commercial Turf Equipment Certificate
- Proposed curriculum plan and course sequence for the Sports/Commercial Turf Equipment Certificate

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 above the typed name.

Jeanne M. Osborne
Assistant Director, Academic Affairs

**CERTIFICATE OF COMPETENCY
SPORTS/COMMERCIAL TURF EQUIPMENT CURRICULUM PLAN**

Ohio State ATI – Certificate of Competency	Major:	Sports/Commercial Turf Equipment	
Subject	Course Dept. & Number	Course Title	Crs
Communications	GENCOMM 1115T	Technical and Business Writing	3
Mathematics	GENMATH 1140T	Technical Mathematics I	3
Basic or applied science	BUSTEC 1202T	Software Applications	1
	ENGTECH 2322T	Basic Electricity and Electronics	3
Social Science	SOCIAL SCIENCE	Elective	3
Orientation	GENSTDS 1201T	College Orientation	0.5
	ENGTECH 1201.01T	Exploring Engineering Technologies	0.5
Non-Tech Total - Min of 8 cr			14
Technical Courses	ENGTECH 2011T	Small Engine Basics	4
	ENGTECH 2214T	Fundamentals of Fluid Power and Components	4
	ENGTECH 2240T	Welding Technology	3
	ENGTECH 2312T	Engineering Technology Fundamentals	3
	ENGTECH 2336T	Methods of Power Transmission	2
	HORTTEC 2225T	Turf Equipment, Facility and Mechanical Systems Operation and Management	3
	HORTTEC 2230T	Fundamentals of Turfgrass Science and Management	3
Technical Total Min of 18 cr - Max of 22 cr			22
Degree Totals – Min of 30 cr			36

TURFEQP-CR
Catalog Year
2014-2015

Sports/Commercial Turf Equipment
Certificate

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ENGTECH 2214T	Fundamentals of Fluid Power and Components	4
ENGTECH 2240T	Welding Technology	3
ENGTECH 2312T	Engineering Technology Fundamentals	3
ENGTECH 2336T	Methods of Power Transmission	2
GENMATH 1140T	Technical Mathematics I	3
HORTTEC 2230T	Fundamentals of Turfgrass Science and Management	<u>3</u>
		18
<u>1st Year – Spring Semester</u>		
BUSTEC 1202T	Software Applications	1
GENCOMM 1115T	Technical and Business Writing	3
ENGTECH 1201.01T	Exploring Engineering Technologies	.5
ENGTECH 2011T	Small Engine Basics	4
ENGTECH 2322T	Basic Electricity and Electronics	3
GENSTDS 1201T	College Orientation	.5
HORTTEC 2225T	Turf Equipment, Facility and Mechanical Systems Operation and Management	3
SOCIAL SCIENCE	Elective	<u>3</u>
		18
	Total Credits	36

Social Science Elective options:

GENSSC 1171T	Human Relationships in the 21 st Century	3
GENSSC 1181T	Hispanic culture and Language in the Workplace	3
GENSSC 1182T	Deaf Culture and American Sign Language	3
PSYCH 1100	General Psychology	3
RURLSOC 1500	Introduction to Rural Sociology	3

**CERTIFICATE OF COMPETENCY
SPORTS/COMMERCIAL TURF EQUIPMENT**

Ohio State ATI – Certificate of Competency	Major:	Sports/Commercial Turf Equipment	
Subject	Course Dept. & Number	Course Title	Crs
General and Applied Education	AGRCOMM 3130	Oral Expression in Agriculture	3
	BUSTEC 1202T	Software Applications	1
	ENGTECH 1201.01T	Exploring Engineering Technologies	0.5
	ENGTECH 2322T	Basic Electricity and Electronics	3
	GENBIOL 1250T	General Botany with Applications	4
	GENSTDS 1201T	College Orientation	0.5
Technical Education	ENGTECH 2011T	Small Engine Basics	4
	ENGTECH 2191.04T	Ag. Systems Technology Internship	2
	ENGTECH 2214T	Fundamentals of Fluid Power and Components	4
	ENGTECH 2240T	Welding Technology	3
	ENGTECH 2312T	Engineering Technology Fundamentals	3
	ENGTECH 2336T	Methods of Power Transmission	2
	HORTTEC 2225T	Turf Equipment Operation and Maintenance	3
Certificate Total: Min 30 cr - Max 36 cr			33

Students must be eligible to enroll in GENMATH 1141T or 1145T to complete the certificate requirements. If not eligible to enroll in GENMATH 1141T or 1145T, students will need to successfully complete remedial mathematics courses depending on placement levels.

**CERTIFICATE OF COMPETENCY
SPORTS/COMMERCIAL TURF EQUIPMENT**

Ohio State ATI – Certificate of Competency	Major:	Sports/Commercial Turf Equipment	
Subject	Course Dept. & Number	Course Title	Crs
General and Applied Education	AGRCOMM 3130	Oral Expression in Agriculture	3
	BUSTEC 1202T	Software Applications	1
	ENGTECH 1201.01T	Exploring Engineering Technologies	0.5
	ENGTECH 2322T	Basic Electricity and Electronics	3
	GENBIOL 1250T	General Botany with Applications	4
	GENSTDS 1201T	College Orientation	0.5
Technical Education	ENGTECH 2011T	Small Engine Basics	4
	ENGTECH 2191.04T	Ag. Systems Technology Internship	2
	ENGTECH 2214T	Fundamentals of Fluid Power and Components	4
	ENGTECH 2240T	Welding Technology	3
	ENGTECH 2312T	Engineering Technology Fundamentals	3
	ENGTECH 2336T	Methods of Power Transmission	2
	HORTTEC 2225T	Turf Equipment Operation and Maintenance	3
Certificate Total: Min 30 cr - Max 36 cr			33

Students must be eligible to enroll in GENMATH 1141T or 1145T to complete the certificate requirements. If not eligible to enroll in GENMATH 1141T or 1145T, students will need to successfully complete remedial mathematics courses depending on placement levels.

TURFEQP-CR
Catalog Year
2016-2017

**Sports/Commercial Turf Equipment
Certificate**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ENGTECH 1201.01T	Exploring Engineering Technologies	0.5
ENGTECH 2214T	Fundamentals of Fluid Power and Components	4
ENGTECH 2240T	Welding Technology	3
ENGTECH 2312T	Engineering Technology Fundamentals	3
ENGTECH 2336T	Methods of Power Transmission	2
GENSTDS 1201T	College Orientation	0.5
HORTTEC 2225T	Turf Equipment Operation and Maintenance	<u>3</u>
		16
<u>1st Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
BUSTEC 1202T	Software Application	1
ENGTECH 2011T	Small Engine Basics	4
ENGTECH 2322T	Basic Electricity and Electronics	3
GENBIOL 1250T	General Botany with Applications	<u>4</u>
		15
<u>1st Year – Summer Term</u>		
ENGTECH 2191.04T	Agricultural Systems Technology Internship	<u>2</u>
		2
	Total Credits	33