



September 18, 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 Construction Systems Management (CONSYSM-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 Construction Systems Management program in Columbus, this program is being changed to take advantage of specific strengths found at the Ohio State ATI and Columbus campuses:

- One Arts/Humanities course was removed (-3 cr) and AGRCOMM 3130 Oral Expression in Agriculture was added (+3 cr)
- AEDECON 2105 Managerial Records and Analysis was removed (-3 cr)
- ENGTECH 2150T Bldg.Sci: Service Systems (-5 cr) was changed to two 3 credit courses – ENGTECH 2310T Bldg.Sci: Electrical & Lighting Systems and ENGTECH 2345T Bldg.Sci: Mechanical Systems (+6 cr)
- Four technical courses, ENGTECH 2110T, 2121T, 2160T and 2170T, were each reduced by 1 credit (-4 cr)
- Total credit hours was changed from 70 to 64
- Concurrence for the program has been received from the Department of Food, Agricultural, and Biological Engineering

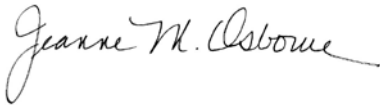
The proposed curriculum plan was developed by the Program Coordinator for the major. The courses that are included in the current and proposed curriculum plan were selected in consultation with other faculty involved in the program as well as stakeholder advisory committees and/or individuals. The proposed curriculum plan and course sequence were approved by the 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 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 Construction Systems Management degree program
- Proposed curriculum plan and course sequence for the Construction Systems Management degree program
- Concurrence for the 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 below the word "Sincerely,".

Jeanne M. Osborne
Assistant Director, Academic Affairs

**ASSOCIATE OF SCIENCE DEGREE
CONSTRUCTION SYSTEMS MANAGEMENT CURRICULUM PLAN**

Ohio State ATI – AS Degree		Major:	Construction Systems Management	
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	COMLDR 3537 MATH 1148 TECPHYS 1150T	Data Analysis in the Applied Sciences College Algebra Technical Physics	3 4 5
Open Option or Cultures and Ideas	3 cr	CRPSOIL 2300T CRPSOIL 2301T	Introduction to Soil Science Introduction to Soil Science Lab	3 1
College/Career Orientation	1 cr	GENSTDS 1201T ENGTECH 1201.02T	College Orientation Exploring Construction Careers and Industry	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	AEDECON 2105 BUSTEC 1202T ENGTECH 2110T ENGTECH 2120T ENGTECH 2121T ENGTECH 2150T ENGTECH 2160T ENGTECH 2170T ENGTECH 2440T ENGTECH 2600T ENGTECH 2191.01T	Managerial Records and Analysis Software Applications Construction Drawings & Basic Estimating Bldg Sci: Methods & Materials Drafting & Computer-Aided Design Bldg Sci: Service Systems Estimating and Scheduling Construction Project Mgmt. Site Development & Surveying Construction Safety & Health Construction Management Internship	3 1 2 4 3 5 3 3 4 2 2
Other Course Total	24 min cr			32
Degree Totals	60 cr min– 70 cr max			70

CONSYSM-AS
Catalog Year
2014-2015

Construction Systems Management
Associate of Science

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ENGTECH 1201.02T	Exploring Construction Careers and Industry	.5
ENGTECH 2110T	Construction Drawings & Basic Estimating	2
ENGTECH 2120T	Building Science: Methods & Materials	4
ENGLISH 1110.01	First-Year English Composition	3
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		17
<u>1st Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
AGRCOMM 2367	Agricultural Issues in Contemporary Society	3
BUSTEC 1202T	Software Applications	1
ENGTECH 2121T	Drafting & Computer-Aided Design	3
ENGTECH 2600T	Construction Safety and Health	2
TECPHYS 1150T	Technical Physics	<u>5</u>
		17
<u>Summer Term</u>		
*ENGTECH 2191.01T	Construction Management Internship	<u>2</u>
		2
<u>2nd Year – Autumn Semester</u>		
COMLDR 3537	Data Analysis in the Applied Sciences	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
ENGTECH 2150T	Building Science: Service Systems	5
ENGTECH 2440T	Site Development and Surveying	<u>4</u>
		16
<u>2nd Year – Spring Semester</u>		
AEDECON 2105	Managerial Records and Analysis	3
COMPSTD 2301	Introduction to World Literature	3
ENGTECH 2160T	Estimating and Scheduling	3
ENGTECH 2170T	Construction Project Management	3
HISTORY 1152	American Civilizations since 1877	3
MUSIC 2250	Music Cultures of the World	<u>3</u>
		18
	Total Credits	70

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

**ASSOCIATE OF SCIENCE DEGREE
CONSTRUCTIONS SYSTEMS MANAGEMENT CURRICULUM PLAN**

Ohio State ATI		Major: Construction Systems Management	
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 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	TECPHYS 1150T CRPSOIL 2300T CRPSOIL 2301T	5 3 1
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ENGTECH 1201.02T	.5 .5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		AGRCOMM 3130 COMLDR 3537	3 3
Total General Education	37-40	Total General Education	38
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		ENGTECH 2110T ENGTECH 2120T ENGTECH 2121T ENGTECH 2160T ENGTECH 2170T ENGTECH 2191.01T ENGTECH 2310T ENGTECH 2345T ENGTECH 2440T ENGTECH 2600T BUSTEC 1202T	1 4 2 2 2 2 3 3 4 2 1
		Total Transferable and Major Courses	26
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
CONSTRUCTIONS SYSTEMS MANAGEMENT CURRICULUM PLAN**

Ohio State ATI		Major: Construction Systems Management	
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 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	TECPHYS 1150T CRPSOIL 2300T CRPSOIL 2301T	5 3 1
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ENGTECH 1201.02T	.5 .5
Additional OTM course(s) (from 5 GE categories above)		AGRCOMM 3130 COMLDR 3537	3 3
or Open Option (course(s) as defined by OSU Columbus major)			
Total General Education	37-40	Total General Education	38
Transferable and major courses applicable to OSU bachelor's degree		ENGTECH 2110T ENGTECH 2120T ENGTECH 2121T ENGTECH 2160T ENGTECH 2170T ENGTECH 2191.01T ENGTECH 2310T ENGTECH 2345T ENGTECH 2440T ENGTECH 2600T BUSTEC 1202T	1 4 2 2 2 2 3 3 4 2 1
Developed in consultation with affiliated department/unit where appropriate			
		Total Transferable and Major Courses	26
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.

**CONSYSM-AS
Catalog Year
2015-2016**

**Construction Systems Management
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
ENGTECH 1201.02T	Exploring Construction Careers and Industry	.5
ENGTECH 2110T	Construction Drawings & Basic Estimating	1
ENGTECH 2120T	Building Science: Methods & Materials	4
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		16
<u>1st Year – Spring Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
AGRCOMM 2367 or ENR 2367	Agricultural Issues in Contemporary Society or Communicating Environmental and Natural Resources Information	3
BUSTEC 1202T	Software Applications	1
ENGTECH 2121T	Drafting & Computer-Aided Design	2
ENGTECH 2600T	Construction Safety & Health	2
TECPHYS 1150T	Technical Physics	<u>5</u>
		16
<u>Summer Term</u>		
ENGTECH 2191.01T	Construction Management Internship	<u>2</u>
		2
<u>2nd Year – Autumn Semester</u>		
COMLDR 3537	Data Analysis in the Applied Sciences	3
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Lab	1
ENGTECH 2310T	Building Science: Electrical & Lighting Systems	3
ENGTECH 2440T	Site Development and Surveying.	4
ARTS/HUMANITIES	Elective from approved list	<u>3</u>
		17
<u>2nd Year – Spring Semester</u>		
AGRCOMM 3130	Oral Expression in Agriculture	3
ENGTECH 2160T	Estimating and Scheduling	2
ENGTECH 2170T	Construction Project Management	2
ENGTECH 2345T	Building Science: Mechanical Systems	3
ARTS/HUMANITIES	Elective from approved list	<u>3</u>
		13
	Total Credits	64
<u>Arts and Humanities options (6 credits / 2 courses required):</u>		
COMPSTD 2301	Introduction to World Literature	
HISTORY 1152	American Civilization since 1877	
MUSIC 2250	Music Cultures of the World	
RELSTDS 2370	Introduction to Comparative Religion	



THE OHIO STATE UNIVERSITY

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

Department of Food, Agricultural and Biological Engineering

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September 30, 2015

RE: Ohio State ATI Roadmap Articulation

To Whom It May Concern:

I have reviewed the articulation documents for progression from an Associate of Science degree studying Construction Systems Management at Ohio State ATI to a Bachelor's degree in Construction Systems Management. The proposal has also been discussed by the Food, Agricultural, and Biological Engineering Department faculty and voted unanimously to approve that it provides a good curricular transition for Ohio State ATI students seeking a BS in Construction Systems Management on the Columbus campus.

Sincerely,

Gönül Kaletunç, Ph.D.
Professor
Food Engineer
Academic Affairs Chair