

**From:** [Smith, Randy](#)  
**To:** [Osborne, Jeanne](#); [Gerber, Carri](#)  
**Cc:** [Sutherland, Sue](#); [Smith, Randy](#); [Griffiths, Rob](#); [Reed, Katie](#); [Duffy, Lisa](#); [Hunt, Ryan](#); [Civittolo, David](#); [Kress, Cathann](#)  
**Subject:** Proposal to revise the Construction Management AAS and deactivate the Construction Management AS  
**Date:** Wednesday, January 14, 2026 5:45:20 PM  
**Attachments:** [image001.png](#)

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Carri and Jeanne:

The proposal from Ohio State ATI to revise the Construction Management major leading to the Associate of Applied Science and to deactivate the Construction System Management major leading to the Associate of Science was approved by the Council on Academic Affairs at its meeting on January 14, 2026. Thank you for attending the meeting to respond to questions/comments.

No additional level of internal review/approval is necessary. This action will be included in the Council's next [Annual Activities Report](#) to the University Senate (July 2026).

My office will now work with you on the approval process with the Ohio Department of Higher Education.

The Office of the University Registrar will work you with any implementation issues.

Please keep a copy of this message for your file on the proposal and I will do the same for the file in the Office of Academic Affairs.

If you have any questions please contact the Chair of the Council, Professor Sue Sutherland (.43), or me.

Thank you for these important programmatic steps.

Randy



**W. Randy Smith, Ph.D.**

Vice Provost for Academic Programs

Office of Academic Affairs

University Square South, 15 E. 15<sup>th</sup> Avenue, Columbus, OH 43201

614-292-5881 Office

[smith.70@osu.edu](mailto:smith.70@osu.edu)

**Assisted by:**

**Katie Reed**

Executive Assistant

(614) 292-5672

**From:** [Osborne, Jeanne](#)  
**To:** [Smith, Randy](#)  
**Cc:** [Reed, Katie](#); [Violet, Cynthia](#); [Lewandowski, Monica](#); [Gerber, Carri](#)  
**Subject:** Requesting CAA Approval for revision to the Construction Management AAS, and deactivation of Construction Systems Mngt AS  
**Date:** Monday, November 24, 2025 4:03:38 PM  
**Attachments:** [CNSTMGT-AA.pdf](#)  
[image001.png](#)  
[Construction AAS - ODHE Program Elimination Request for Temporary Waiver.docx](#)

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Dear Dr. Smith,

The College of Food, Agricultural, and Environmental Sciences is requesting Council on Academic Affairs approval for revision to Construction Management AAS degree, and deactivation of the current stand-alone major: Construction Systems Management AS as summarized below and outlined in the attached proposal. This fulfills the commitment outlined in the Temporary Waiver for Construction Management AAS submitted to ODHE in response to Senate Bill 1 (I have attached the Temporary Waiver form for this program).

Overall, the changes to the Construction Management AAS include removing 7 courses that are currently required (some of which have been or will be deactivated) and adding 8 courses, increasing student choice and providing for the consolidation of the current Construction Management AAS and Construction Systems Management AS, which will reduce confusion noted by students between the two options. The result will be an increase in the overall credit hours of the major from 60 credit hours to 61-62 credit hours. Additionally, students who have an interest in pursuing a bachelor degree will be advised on course choices that will most effectively support this degree progression – this is similar to the pathway that has been established with Columbus State Community College from their Construction Management AAS to the Construction Systems Management BS in the Department of Food, Agricultural and Biological Engineering in the CFAES. These proposed changes are informed by the industry advisory committee and employers.

Current students will not be affected by these changes and any course offering changes will be managed by petition to ensure students' progress to graduation.

This proposal has been approved by the Academic Affairs Committee of the Ohio State Agricultural Technical Institute (ATI) - Wooster and the CFAES Committee on Academic Affairs. Please let me know if any additional information is needed in support of this request.

Sincerely,

Jeanne



*Jeanne M. Osborne*

Assistant Dean for Academic Affairs  
College of Food, Agricultural, and Environmental Sciences

100E Agricultural Administration, 2120 Fyffe Rd.  
Columbus, OH 43210  
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*'Unexpected kindness is the most powerful, least costly, and most underrated agent of human change'* (Bob Kerrey)



November 4, 2025

Ms. Jeanne Osborne  
Assistant Dean for Academic Programs  
100E Agricultural Administration Building  
2120 Fyffe Rd  
Columbus, OH 43210

Dear Ms. Osborne,

Enclosed please find the proposed revision to the curriculum plan and course sequence for the Associate of Applied Science (AAS) Construction Management program and deactivation of the Associate of Science (AS) Construction Systems Management program submitted for consideration by the FAES Academic Affairs Committee.

The program coordinator, Mr. Ben King, in collaboration and consultation with faculty, stakeholder advisory committee members, and additional construction industry representatives revised the Construction Management program. Key changes include: addition of 8 courses (two of which allow for student choice), removal of 7 courses, and an increase in the number of hours from 60 to 61/62.

The rationale for the curricular changes is as follows:

This update fulfills the commitment outlined in the temporary waiver submitted to the Ohio Department of Higher Education (ODHE) in response to Senate Bill 1. That waiver detailed Ohio State ATI's intent to consolidate its two construction-related programs, the AAS in Construction Management and the AS in Construction Systems Management, into a single, streamlined offering.

The proposed consolidated curriculum changes are as follows:

**General Education - Mathematics**

- *Add* MATH 1148 College Algebra  
*Rationale* Provides students with a choice aligned to their educational goals.

**General Education - Natural Science**

- *Add* CRPSOIL 23001T Introduction to Soil Science  
*Add* CRPSOIL 2301T Introduction to Soil Science Lab  
*Rationale* Offers relevant instruction for construction site considerations, water management, and foundation concepts.
- *Remove* TECPHYS 1150T  
*Rationale* Course is scheduled for deactivation.

**Applied General Education**

- *Add* AEDECON 2105 Managerial Records and Analysis  
*Rationale* Moved from Technical Education to better align with general education outcomes

- *Remove* ENGTECH 2121T Drafting & Computer-Aided Design  
*Rationale* Course is scheduled for deactivation. Equivalent content added to Technical Studies.
- *Remove* GENCOMM 2115T Technical and Business Writing  
*Rationale* Course is scheduled for deactivation. Business communication content has been integrated into Technical Studies.

### **Technical Studies**

- *Add* CONSYSM 2210 Graphic Presentation  
*Rationale* Covers precise graphic presentation of 3D objects, including orthographic, sectional, pictorial, and introductory computer graphics
- *Add* CONSYSM 2305 Professional Development I  
*Rationale* Develops business communication and professional skills specific to the construction industry.
- *Add* ENGTECH 2240T Welding Technology  
*Rationale* Enhances instruction in construction materials and methods.
- *Add* GENSTDS 3191T Conducting your Internship in the College of Food, Agricultural, and Environmental Sciences OSU ATI  
*Rationale* Aligns with the updated internship structure at Ohio State ATI.
- *Remove* AEDECON 2105 Managerial Records and Analysis  
*Rationale* Moved to Applied General Education.

### **Business Technology (BUSTEC) Elective Options**

*Rationale* To enhance transferability and support varied educational pathways.

- *Add* BUSTEC 2249T Fundamentals of Business Finance
- *Remove* BUSTEC 2232T Personal Selling
- *Remove* BUSTEC 2233T Advertising and Promotion

In consultation with the CFAES Director of Teaching, Learning, and Assessment, Dr. Warren Flood, the program coordinator will update the program assessment plan to reflect these changes.

The proposed changes to the curriculum plan and course sequence for the Associate of Applied Science Construction Management program were approved by the Plant Science 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. 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.

Additionally, we request the **deactivation of the Associate Science Construction Systems Management program effective Summer 2026**. The deactivation was approved by the Plant Science and Engineering Technologies Division, Ohio State ATI Academic Affairs committee, and the faculty at Ohio State ATI.

Current enrollment in the Construction Systems Management program consists of:

- 8 first year students
- 5 second+ year students

3 of the 5 second+ year students have applied for SP26 graduation. No new students will be enrolled. This proposed program deactivation will not disrupt progress toward degree. Working closely with a faculty advisor and the Ohio State ATI academic affairs office, the students who

are currently enrolled can complete an Associate of Applied Science degree by successfully completing the remaining courses and labs (using substitutions of the current or newly revised courses if necessary).

Deactivating the Construction Systems Management program will have little impact on Ohio State ATI. Incoming students will be directed to the updated Associate of Applied Science Construction Management program. No courses will be deactivated at this time.

Enclosed please find the following documents:

- List of General Education and Applied General Education Course Options at Ohio State ATI
- Current curriculum plans and course sequences for the Associate of Applied Science Construction Management program
- Proposed curriculum plan and course sequence for the Associate of Applied Science Construction Management program

Please let me know if there are questions, or if 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 "Carri A. Gerber".

Carri A. Gerber, Ph.D.  
Associate Director, Ohio State ATI

**OHIO STATE ATI  
ASSOCIATE OF APPLIED SCIENCE DEGREE  
NON-TECHNICAL COURSE OPTIONS BY CATEGORY\* (Effective SP2025)**

**GENERAL EDUCATION**

Those courses in written and oral communication, quantitative principles, biological and physical sciences, social and behavior sciences and the arts and humanities that provide the foundation and common experience expected among individuals holding associate and baccalaureate degrees. These courses, along with courses within a major, provide opportunities for critical thinking, problem solving and analytic skills.

**English Composition / Oral Communication**

AGRCOMM 3130 - Oral Expression in Agriculture  
ENGLISH1110.01 - REQUIRED - First-Year English Composition

**Mathematics / Statistics and Logic**

COMLDR 3537 - Data Analysis in the Applied Sciences  
GENMATH 1141T - Business Mathematics  
GENMATH 1145T - Technical Mathematics  
MATH 1148 - College Algebra  
MATH 1149 - Trigonometry  
MATH 1150 - Precalculus  
MATH 1151 - Calculus I

**Arts and Humanities**

COMLDR 3535 - Historical and Cultural Studies  
COMPSTD 2301 - Introduction to World Literature  
HISTORY 1152 - American History since 1877  
MUSIC 2250 - Music Culture of the World  
RELSTDS 2370 - Introductions to Comparative Religion

**Social and Behavioral Sciences**

AEDECON 2001 - Principles of Food and Resource Economics  
ENR 2300 - Society and Natural Resources  
PSYCH 1100 - Introduction to Psychology

**Natural Sciences**

ANIMSCI 2200.01 - Introductory Animal Sciences  
ANMLTEC 3140T - Anatomy and Physiology  
ASM 2150 - Applied Agricultural Mechanics and Electronics  
BIOLOGY 1101 - Introductory Biology  
BIOLOGY 1113.01 - Bio Sci: Energy Transfer & Dev.  
BIOLOGY 1114.01 - Bio Sci: Form, Function, Diversity and Ecology  
CHEM 1110 - Elementary Chemistry  
CHEM 1210 - General Chemistry I  
CHEM 1220 - General Chemistry II  
CRPSOIL 2300T and 2301T Introduction to Soil Science/Intro Lab  
ENR 2100 - Intro. to Environmental Science  
GENBIOL 1250T - General Botany with Applications  
GENCHEM 1100T - Introduction to General Chemistry  
HCS 2202 - Form and Function in Cultivated Plants  
MICRBIOL 4000.01 - Basic and Practical Microbiology  
PHYSICS 1200 - Mechanics, Kinematics, Fluids, Waves  
TECPHYS 1150T - Technical Physics

\*May also be used as a technical studies course but can only be used once.

**APPLIED GENERAL EDUCATION**

Those courses within applied associate degrees that emphasize the application of general education to an occupational or technical area. Courses such as technical communication, business mathematics, calculations for health professionals, study skills, applied computing, and practical psychology are examples that fall in this category. Applied general education coursework cannot be counted toward meeting the minimum requirements for general education courses in associate or baccalaureate degrees (i.e., 15 semester hours in applied associate degree programs and 36 semester hours in associate of arts, associate of science and bachelor's degrees).

**English Composition / Oral Communication**

AGRCOMM 2330 - Public Perceptions of Agricultural and Environmental Issues  
ENR 2367 - Communicating Environmental and Natural Resources Information  
GENCOMM 2115T - Technical and Business Writing

**Business**

AEDECON 2105 - Managerial Records and Analysis  
ANMLTEC 3800T - Principles of Farm Business Management  
BUSTEC 1202T - Software Applications  
BUSTEC 2231T - Fundamentals of Marketing  
BUSTEC 2232T - Personal Selling  
BUSTEC 2240T - Introduction to Project Management  
BUSTEC 2241T - Small Business Management  
BUSTEC 2244T - Human Resource Management and Leadership  
BUSTEC 2247T - Business Law  
BUSTEC 2249T - Fundamentals of Business Finance  
CRPSOIL 3800T - Principles of Farm Business Management  
HORTTEC 2260T - Sports Turf Operations Organization and Management  
HORTTEC 2270T - Golf Course Organization and Management

**Social and Behavioral Sciences**

GENSSC 1181T - Hispanic Culture and Language in the Workplace

**Applied Sciences**

ANIMSCI 2200.03 - Animal Systems  
ANMLTEC 2201T - Introduction to Horse Science  
ANMLTEC 2603T - Swine Production and Management I  
ANMLTEC 2200.02T - Introduction to Animal Science Laboratory  
ANMLTEC 2202T - Introduction to Beef and Small Ruminant Production  
ANMLTEC 3150T - Livestock Genetic Improvement  
ANMLTEC 3157T - Dairy Cattle Genetic Improvement  
BIOTECH 2218T - General and Applied Entomology  
CRPSOIL 2422T - Weed Control Technology  
ENGTECH 2121T - Drafting & Computer-Aided Design  
ENGTECH 2310T - Building Science: Electrical and Lighting Systems  
ENGTECH 2322T - Basic Electricity and Electronics  
ENGTECH 2345T - Building Science: Mechanical Systems  
ENR 3100 - Introduction to Sustainable Agriculture  
HCS 2204 - Ecology of Managed Plant Systems  
HCS 2205 - Ecology of Managed Plant Systems Lab  
HORTTEC 2110T - Plant Materials I  
HORTTEC 2120T - Plant Materials II  
HORTTEC 2500T - Greenhouse Environment Control  
HORTTEC 2740T - Plant Propagation  
HORTTEC 2819T - Pesticides and their Use  
HORTTEC 2880T - Principles of Weed Science  
HORTTEC 2890T - Plant Diseases of Ornamentals and Turf

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

**CURRENT**

<b>Ohio State ATI</b>		<b>Major: Construction Management</b>	
<b>Non-Technical Studies</b>		<b>Non-Technical Studies</b>	
<b>General Education</b>	<b>Sem Cr</b>	<b>General Education</b>	<b>Sem Cr.</b>
Category		Course	
<b>ENGLISH COMPOSITION/ ORAL COMMUNICATION</b> ENGLISH 1110.01	3	ENGLISH 1110.01	3
<b>MATHEMATICS/STATISTICS AND LOGIC</b>	3	GENMATH 1145T	3
<b>SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES</b>	3	AEDECON 2001	3
<b>NATURAL SCIENCES</b>	3	TECPHYS 1150T	5
<b>From any of the General Education categories (listed above)</b>	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>17</b>
<b>Applied General Education</b>		<b>Applied General Education</b>	
Courses determined by program from the following:		ENGTECH 2121T	2
General Education categories		ENGTECH 2310T	3
Applied Sciences		ENGTECH 2345T	3
Business		BUSTEC 1202T	1
		BUSTEC 2247T	3
		BUSTEC 2244T	3
		GENCOMM 2115T	3
<b>COLLEGE/CAREER ORIENTATION</b>	1	GENSTDS 1201.01T	.5
		ENGTECH 1201.02T	.5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>36</b>
<b>Technical Studies</b>		<b>Technical Studies</b>	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ENGTECH 2191.01T	3
Other courses determined by program		ENGTECH 2110T	1
		ENGTECH 2120T	4
		ENGTECH 2160T	2
		ENGTECH 2170T	2
		ENGTECH 2440T	4
		ENGTECH 2600T	2
		AEDECON 2105	3
		BUSTEC ELECTIVE (from list)	3



<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>24</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>60</b>

BUSTEC Elective Options – 3 credits required:

BUSTEC	2231T	Fundamentals of Marketing	3
BUSTEC	2232T	Personal Selling	3
BUSTEC	2233T	Advertising and Promotion	3
BUSTEC	2241T	Small Business Management	3

**CONSTRUCTION MANAGEMENT**  
Associate of Applied Science

**CURRENT**

DEPARTMENT	NO	TITLE	CREDITS
<b>First Semester (Autumn)</b>			
BUSTEC	1202T	Software Applications	1
ENGLISH	1110.01	First-Year English Composition	3
ENGTECH	1201.02T	Exploring Construction Careers and Industry	.5
ENGTECH	2110T	Construction Drawings and Basic Estimating	1
ENGTECH	2120T	Building Science: Methods & Materials	4
GENSTDS	1201.01T	College Orientation	.5
+GENMATH	1145T	Technical Math II	<u>3</u>
			13
<b>Second Semester (Spring)</b>			
AEDECON	2001	Principle of Food and Resource Economics	3
ENGTECH	2121T	Drafting & Computer-Aided Design	2
ENGTECH	2600T	Construction Safety & Health	2
GENCOMM	2115T	Technical and Business Writing	3
TECPHYS	1150T	Technical Physics	<u>5</u>
			15
<b>Third Semester (Summer)</b>			
ENGTECH	2191.01T	Construction Management Internship	<u>3</u>
			3
<b>Fourth Semester (Autumn)</b>			
AEDECON	2105	Managerial Records and Analysis	3
AGRCOMM	3130	Oral Expressions in Agriculture	3
BUSTEC	2247T	Business Law	3
ENGTECH	2310T	Building Science: Electrical and Lighting Systems	3
BUSTEC	2244T	Human Resource Management and Leadership	<u>3</u>
			15
<b>Fifth Semester (Spring)</b>			
BUSTEC	XXXXT	Business Elective from approved list	3
ENGTECH	2160T	Estimating & Scheduling	2
ENGTECH	2170T	Construction Project Management	2
ENGTECH	2345T	Building Science: Mechanical Systems	3
ENGTECH	2440T	Site Development & Surveying	<u>4</u>
			14
<b>Associate of Applied science Degree Totals</b>			<b>60</b>

\* Based on Placement Tests

**CONSTRUCTION MANAGEMENT**

BUSTEC Elective Options – 3 credits required:

BUSTEC	2231T	Fundamentals of Marketing	3
BUSTEC	2232T	Personal Selling	3
BUSTEC	2233T	Advertising and Promotion	3
BUSTEC	2241T	Small Business Management	3

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

**PROPOSED WITH HIGHLIGHTED CHANGES**

<b>Ohio State ATI</b>		<b>Major: Construction Management</b>	
<b>Non-Technical Studies</b>		<b>Non-Technical Studies</b>	
<b>General Education</b>	<b>Sem Cr</b>	<b>General Education</b>	<b>Sem Cr.</b>
Category		Course	
<b>ENGLISH COMPOSITION/ ORAL COMMUNICATION</b> ENGLISH 1110.01	3	ENGLISH 1110.01	3
<b>MATHEMATICS/STATISTICS AND LOGIC</b>	3	GENMATH 1145T OR MATH 1148	3/4
<b>SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES</b>	3	AEDECON 2001	3
<b>NATURAL SCIENCES</b>	3	TECPHYS 1150T CRPSOIL 2300T CRPSOIL 2301T	5 3 1
<b>From any of the General Education categories ( listed above)</b>	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>17 16/17</b>
<b>Applied General Education</b>		<b>Applied General Education</b>	
Courses determined by program from the following:		AEDECON 2105 ENGTECH 2121T ENGTECH 2310T ENGTECH 2345T BUSTEC 1202T GENCOMM 2115T BUSTEC 2247T BUSTEC 2244T	3 2 3 3 1 3 3 3
General Education categories			
Applied Sciences			
Business			
<b>COLLEGE/CAREER ORIENTATION</b>	1	GENSTDS 1201.01T ENGTECH 1201.02T	.5 .5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>36 33/34</b>
<b>Technical Studies</b>		<b>Technical Studies</b>	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ENGTECH 2191.01T GENSTDS 3191T	3 0
Other courses determined by program		CONSYSM 2305 CONSYSM 2210 ENGTECH 2110T ENGTECH 2120T	2 2 1 4

		ENGTECH 2160T	2
		ENGTECH 2170T	2
		ENGTECH 2240T	3
		ENGTECH 2440T	4
		ENGTECH 2600T	2
		AEDECON 2105	3
		BUSTEC ELECTIVE (from list)	3
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>24 28</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>60 61/62</b>

BUSTEC Elective Options – 3 credits required:

BUSTEC	2231T	Fundamentals of Marketing	3
<del>BUSTEC</del>	<del>2232T</del>	<del>Personal Selling</del>	<del>3</del>
<del>BUSTEC</del>	<del>2233T</del>	<del>Advertising and Promotion</del>	<del>3</del>
BUSTEC	2241T	Small Business Management	3
BUSTEC	2249T	Fundamentals of Business Finance	3

**CONSTRUCTION MANAGEMENT**  
Associate of Applied Science

**PROPOSED WITH HIGHLIGHTED CHANGES**

DEPARTMENT	NO	TITLE	CREDITS
<b>First Semester (Autumn)</b>			
AEDECON	2001	Principle of Food and Resource Economics	3
BUSTEC	1202T	Software Applications	1
ENGLISH	1110.01	First-Year English Composition	3
ENGTECH	1201.02T	Exploring Construction Careers and Industry	.5
ENGTECH	2110T	Construction Drawings and Basic Estimating	1
ENGTECH	2120T	Building Science: Methods & Materials	4
GENSTDS	1201.01T	College Orientation	.5
GENMATH	1145T	Technical Math II	3/4
<u>OR</u> MATH	1148	College Algebra	
			13 15/16
<b>Second Semester (Spring)</b>			
AEDECON	2001	Principle of Food and Resource Economics	3
AEDECON	2105	Managerial Records and Analysis	3
CRPSOIL	2300T	Introduction to Soil Science	3
CRPSOIL	2301T	Introduction to Soil Science Lab	1
CONSYSM	2305	Professional Development I	2
ENGTECH	2110T	Construction Drawings and Basic Estimating	1
ENGTECH	2121T	Drafting & Computer Aided Design	2
ENGTECH	2600T	Construction Safety & Health	2
GENCOMM	2115T	Technical and Business Writing	3
TECPHYS	1150T	Technical Physics	5
			14 12
<b>Third Semester (Summer)</b>			
ENGTECH	2191.01T	Construction Management Internship	3
GENSTDS	3191T	Conducting Your Internship in CFAES – Ohio State ATI	0
			3 0
<b>Fourth Semester (Autumn)</b>			
AEDECON	2105	Managerial Records and Analysis	3
AGRCOMM	3130	Oral Expressions in Agriculture	3
BUSTEC ELECTIVE		Business Elective from approved list	3
BUSTEC	2244T	Human Resource Management and Leadership	3
BUSTEC	2247T	Business Law	3
ENGTECH	2160T	Estimating & Scheduling	2
ENGTECH	2191.01T	Construction Management Internship	3
ENGTECH	2240T	Welding Technology	3
ENGTECH	2310T	Building Science: Electrical and Lighting Systems	3
			15 17
<b>Fifth Semester (Spring)</b>			
AGRCOMM	3130	Oral Expressions in Agriculture	3
BUSTEC	2244T	Human Resource Management and Leadership	3
BUSTEC ELECTIVE		Business Elective from approved list	3
CONSYSM	2210	Graphic Presentation	2
ENGTECH	2160T	Estimating & Scheduling	2
ENGTECH	2170T	Construction Project Management	2
ENGTECH	2345T	Building Science: Mechanical Systems	3
ENGTECH	2440T	Site Development & Surveying	4
			14 17
<b>Associate of Applied science Degree Totals</b>			60 61/62

\* Based on Placement Tests

## CONSTRUCTION MANAGEMENT

BUSTEC Elective Options – 3 credits required:

BUSTEC	2231T	Fundamentals of Marketing	3
<del>BUSTEC</del>	<del>2232T</del>	<del>Personal Selling</del>	<del>3</del>
<del>BUSTEC</del>	<del>2233T</del>	<del>Advertising and Promotion</del>	<del>3</del>
BUSTEC	2241T	Small Business Management	3
BUSTEC	2249T	Fundamentals of Business Finance	3

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

**PROPOSED**

<b>Ohio State ATI</b>		<b>Major: Construction Management</b>	
<b>Non-Technical Studies</b>		<b>Non-Technical Studies</b>	
<b>General Education</b>	<b>Sem Cr</b>	<b>General Education</b>	<b>Sem Cr.</b>
Category		Course	
<b>ENGLISH COMPOSITION/ ORAL COMMUNICATION</b> ENGLISH 1110.01	3	ENGLISH 1110.01	3
<b>MATHEMATICS/STATISTICS AND LOGIC</b>	3	GENMATH 1145T <u>OR</u> MATH 1148	3/4
<b>SOCIAL/BEHAVIORAL SCIENCES OR ARTS AND HUMANITIES</b>	3	AEDECON 2001	3
<b>NATURAL SCIENCES</b>	3	CRPSOIL 2300T CRPSOIL 2301T	3 1
<b>From any of the General Education categories ( listed above)</b>	3	AGRCOMM 3130	3
<b>Total General</b>	<b>min. 15</b>	<b>Total General</b>	<b>16/17</b>
<b>Applied General Education</b>		<b>Applied General Education</b>	
Courses determined by program from the following:  General Education categories Applied Sciences Business		AEDECON 2105 ENGTECH 2310T ENGTECH 2345T BUSTEC 1202T BUSTEC 2247T BUSTEC 2244T	3 3 3 1 3 3
<b>COLLEGE/CAREER ORIENTATION</b>	1	GENSTDS 1201T ENGTECH 1201.02T	.5 .5
<b>Total Non-Technical Studies</b>	<b>min. ½ degree total credits</b>	<b>Total Non-Technical Studies</b>	<b>33/34</b>
<b>Technical Studies</b>		<b>Technical Studies</b>	
Industry/Practical Experience 3 (min)- 9 (max) [min 2 cr internship]		ENGTECH 2191.01T GENSTDS 3191T	3 0
Other courses determined by program		CONSYSM 2305 CONSYSM 2210 ENGTECH 2110T ENGTECH 2120T ENGTECH 2160T ENGTECH 2170T ENGTECH 2240T	2 2 1 4 2 2 3



		ENGTECH 2440T	4
		ENGTECH 2600T	2
		BUSTEC ELECTIVE (from list)	3
<b>Technical Studies Total</b>	<b>max 35</b>	<b>Technical Studies Total</b>	<b>28</b>
<b>DEGREE TOTAL</b>	<b>60-65</b>	<b>DEGREE TOTAL</b>	<b>61/62</b>

BUSTEC Elective Options – 3 credits required:

BUSTEC	2231T	Fundamentals of Marketing	3
BUSTEC	2241T	Small Business Management	3
BUSTEC	2249T	Fundamentals of Business Finance	3

**CONSTRUCTION MANAGEMENT**  
Associate of Applied Science

**PROPOSED**

DEPARTMENT	NO	TITLE	CREDITS
<b>First Semester (Autumn)</b>			
AEDECON	2001	Principle of Food and Resource Economics	3
BUSTEC	1202T	Software Applications	1
*ENGLISH	1110.01	First-Year English Composition	3
ENGTECH	1201.02T	Exploring Construction Careers and Industry	.5
ENGTECH	2120T	Building Science: Methods & Materials	4
GENSTDS	1201.01T	College Orientation	.5
*GENMATH	1145T	Technical Math II	<u>3/4</u>
<u>OR</u> MATH	1148	College Algebra	
			15/16
<b>Second Semester (Spring)</b>			
AEDECON	2105	Managerial Records and Analysis	3
CRPSOIL	2300T	Introduction to Soil Science	3
CRPSOIL	2301T	Introduction to Soil Science Lab	1
CONSYSTM	2305	Professional Development I	2
ENGTECH	2110T	Construction Drawings and Basic Estimating	1
ENGTECH	2600T	Construction Safety & Health	<u>2</u>
			12
<b>Third Semester (Summer)</b>			
GENSTDS	3191T	Conducting Your Internship in CFAES – Ohio State ATI	<u>0</u>
			0
<b>Fourth Semester (Autumn)</b>			
BUSTEC ELECTIVE		Business Elective from approved list	3
BUSTEC	2247T	Business Law	3
ENGTECH	2160T	Estimating & Scheduling	2
ENGTECH	2191.01T	Construction Management Internship	3
ENGTECH	2240T	Welding Technology	3
ENGTECH	2310T	Building Science: Electrical and Lighting Systems	<u>3</u>
			17
<b>Fifth Semester (Spring)</b>			
AGRCOMM	3130	Oral Expressions in Agriculture	3
BUSTEC	2244T	Human Resource Management and Leadership	3
CONSYSTM	2210	Graphic Presentation	2
ENGTECH	2170T	Construction Project Management	2
ENGTECH	2345T	Building Science: Mechanical Systems	3
ENGTECH	2440T	Site Development & Surveying	<u>4</u>
			17
<b>Associate of Applied Science Degree Totals</b>			<b>61/62</b>

\* Based on Placement Tests

BUSTEC Elective Options – 3 credits required:

BUSTEC	2231T	Fundamentals of Marketing	3
BUSTEC	2241T	Small Business Management	3
BUSTEC	2249T	Fundamentals of Business Finance	3



PROGRAM ELIMINATION  
REQUEST FOR TEMPORARY WAIVER

Programs subject to elimination pursuant to [ORC Section 3345.454](#) must be inactivated **by August 15** following the completion of the academic year that triggered the program elimination. To inactivate a program, follow the process described in the [Program Approval FAQs & Clarifications](#) and by appropriate accreditation agencies.

State institutions of higher education shall submit this form, **by July 15** following the completion of the academic year that triggered the program elimination, to request a temporary waiver of the requirement to eliminate an undergraduate degree program. All requests, along with supporting documents, should be submitted to [SB1@highered.ohio.gov](mailto:SB1@highered.ohio.gov). Documents may be submitted as Microsoft Office documents (e.g., Word or Excel) or as PDF documents. **This requirement is limited to state institutions of higher education that have tenured faculty.**

Temporary Waiver

To be eligible for a temporary waiver, the institution must commit to eliminating the program(s) within the upcoming academic year. A temporary waiver may be requested for the following:

- Merging multiple programs into a single program.
- Completing the program elimination process for an individual program including obtaining needed approvals as specified by the institution's academic policies.

OVERVIEW

Name of Institution of Higher Education:

Date of Submission:

Primary Institutional Contact for This Request:

Name	
Title	
Phone number	
E-mail	

## INDIVIDUAL PROGRAM

Complete the following sections to request a temporary waiver for an individual program that the institution commits to inactivate upon receipt of final approval as specified by the institution's academic policies.

### SECTION 1: PROGRAM INFORMATION

**1.1** List the name of the program subject to elimination.

Name of Program	CIP Code	Total Hours
Construction Management AAS	15.1001	60

### SECTION 2: RATIONALE

**2.1** Provide the rationale for the request.

The Construction Management Associate of Applied Science (AAS) degree does not currently meet the minimum graduation thresholds required for SB1 compliance. However, its retention is essential during a strategic consolidation of Ohio State ATI's construction-related programs. Ohio State ATI actually has two separate majors for students to pursue education and careers in the construction industry, which causes the reporting to be smaller due to each major being reported individually. The proposal is to merge the Associate of Science (AS) in Construction Systems Management and the AAS in Construction Management into a single AAS in Construction Management program. Merging the two programs into one Construction Management AAS degree will reduce confusion related to the major known by two separate names and improve recruitment of prospective students. Merging the two majors into a single major with two paths into the construction industry simplifies the program, recruiting, advising, and overall experience for the students that enroll. Enrollment and graduation rates of a single combined program would exceed SB1 thresholds and align with industry needs.

The separate majors were established purely to streamline advising for those students enrolling at Ohio State ATI with a goal of pursuing a Bachelor of Science degree in Construction Systems Management. The technical content of the two majors was identical and differed only in general education content. This strategic decision supports Ohio State ATI's land-grant mission by enhancing clarity, efficiency, and workforce alignment, while continuing to provide hands-on, technical education that prepares students for immediate employment in the construction industry. The Associate of Applied Science major supports the construction industry of Ohio by preparing the future leaders that companies will need and at the same time providing personnel sooner because they are completing the associate degree in an industry that needs more hands immediately. Furthermore, the AAS in Construction Management curriculum will have a pre-defined transfer pathway to the Bachelor of Science degree in Construction Systems Management. Market research of construction sector job postings justifies the need to maintain a seamless transition to a bachelor's degree which also enables graduates to be eligible for more lucrative employment opportunities.

As part of The Ohio State University's land-grant mission, Ohio State ATI is committed to providing open-access, hands-on technical education that empowers students through industry-aligned programs. The proposed elimination of the AS in Construction Systems Management and retention of the AAS in Construction Management is a strategic decision that enhances clarity of goals and outcomes for graduates, efficiency of courses and administration of those courses, recruitment, and workforce alignment. This change strengthens Ohio State ATI's role as a leader in technical education and workforce development in the construction industry.

### SECTION 3: INACTIVATION TIMELINE

**3.1** Provide the proposed date (month/day/year) of the program inactivation. Note, new students can no longer be admitted upon program inactivation.

Deactivate end of SP26: Construction Systems Management AS – 04/01/2026

Updated program active end of SP26: Construction Management AAS 04/02/2026

**NOTE: Provide Sections 1 – 3 separately for each individual program request.**

### MERGE MULTIPLE PROGRAMS INTO ONE PROGRAM

Complete the following sections to request a temporary waiver to merge multiple programs into one program. The individual programs that will be merged into the program must be eliminated within the upcoming academic year. To inactivate a program, follow the process described in the [Program Approval FAQs & Clarifications](#) and by appropriate accreditation agencies.

### SECTION 1: PROGRAM INFORMATION

**1.1** List all programs that will be merged into the program (including those not subject to elimination):

Name of Program	CIP Code	Total Hours
Construction Management AAS	15.1001	60
Construction Systems Management AS	52.2001	63-64

#### 1.2 Program Name

Name of the program that existing programs will be merged into.	CIP Code	Total Hours
Construction Management AAS	15.1001	61-62

#### 1.3 Student Graduation Data

For each program, provide the number of graduates for the **past three academic years** in the table below. List all programs that will be merged into the program, including those that are not subject to elimination pursuant to [ORC Section 3345.454](#). Add additional tables, if necessary.

Construction Management AAS
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Academic Year	Number of Graduates
2024 – 2025	1
2023 – 2024	5
2022 – 2023	1

<b>Construction Systems Management AS</b>	
Academic Year	Number of Graduates
2024 – 2025	1
2023 – 2024	4
2022 – 2023	2

## SECTION 2: RATIONALE

### 2.1 Describe the process used to propose the merger.

The two separate majors have always functioned very similarly. Faculty and advisors identified that the primary distinction between the AS and AAS degrees lies in general education requirements, not technical preparation. In fact, some students have decided to complete the Bachelor of Science in Construction Systems Management even though they completed the AAS in Construction Management at Ohio State ATI, while their peers that completed the AS in Construction Systems Management have decided not to go on to complete the BS degree because of employment opportunities or other personal reasons. This has also been part of the confusion when it comes to recruiting and enrollment of prospective students because the students or their family members are wondering which major to select based on goals and employment prospects. The two majors are so similar that nearly all of the coursework in the Associate of Applied Science degree has been transferrable into the Bachelor of Science in Construction Systems Management already.

In considering the proper approach for the future of the major we consulted with industry advisory members along with other industry partners for feedback about curriculum and most desired skills. Additionally, the decision needed to be made of which major should go forward after consolidation. We ruled out the AS after considering the curriculum framework established by the Ohio Department of Higher Education (ODHE) due to the prescribed course subjects and credit hour distributions. This structure made it clear that the most effective path for workforce development would be through enhancing the AAS in Construction Management. By refining this program, we were able to create an associate degree with the greatest potential to meet industry needs and prepare students for immediate employment, along with still providing a clear pathway for students that want to go further with their education into a Bachelor of Science. The AAS is first and foremost workforce-oriented, emphasizing hands-on, technical training that prepares students for immediate employment.

The decision to consolidate reflects a strategic effort to streamline offerings, improve student outcomes, and align with Ohio State ATI's mission. Industry partners commend not only the strength of the technical construction coursework, but also express strong support for the inclusion of Business Management content within the Construction Management AAS degree. They emphasize the value of writing and public speaking courses in developing essential communication skills—skills that are critical for managing client relationships, navigating complex projects, and meeting tight deadlines. Additionally, partners have requested that students gain exposure to and competency in specific construction management, coordination, and scheduling software, which is integrated into the ENGTECH courses

within the curriculum. The variety of skills and topics covered has been approved by an array of firms, who appreciate the program's comprehensive approach. Feedback for this initiative was provided by representatives from residential construction (including both new construction and remodeling), commercial construction, civil/highway construction, code enforcement, and engineering design.

## **2.2 Describe how the proposed merger serves the needs of students.**

The Construction Management AAS degree provides the student with the training and professional development necessary for direct entry into a booming industry in need of workforce. The AAS degree provides opportunity for immediate employment, hands-on learning experiences and training, along with a shorter, more focused academic path to graduation. Due to the preparation students receive they are better prepared to meet the practical demands of the construction industry upon graduation. Continuing to offer the Construction Management AAS degree at Ohio State ATI also affords the students the opportunity to learn and utilize some of the latest technology available to the construction industry through the campus-based Trimble Technology Lab (TTL) that just became operational in the 2024-2025 academic year. The expansion of skills and student experiences that the Trimble partnership will bring to the curriculum and student experience have not truly begun to be realized in student recruitment and enrollment because of the recency of the lab's opening. This lab and its continued support with technology from the Trimble company are poised to launch the student experience to the cutting edge of the construction industry technology. These skills will be instantly valuable to the construction companies of Ohio as companies are currently struggling with fulfilling manpower, schedule, and cost control needs while technology is available to assist on all fronts, but requires more time and skill to implement. The curriculum and the experience students get at Ohio State ATI supports the institute's mission to empower students through industry-aligned programs and technical education.

The proposed merger enhances student experiences and outcomes by:

- **Clarifying Academic Pathways:** Students will no longer need to choose between two similar programs, reducing confusion and improving advising.
- **Improving Accessibility:** The AAS program offers a shorter, more focused path to employment, ideal for students seeking hands-on learning and immediate career entry.
- **Enhancing Career Preparation:** The AAS curriculum emphasizes practical skills in construction management, preparing students to meet industry demands upon graduation.
- **Supporting Recruitment and Retention:** A single, clearly defined program improves marketing and student engagement, leading to stronger enrollment and advising outcomes.

Furthermore, it is critical to maintain the Construction Management AAS that allows a student to earn a credential then evaluate what path to take next. This flexibility has proven essential, particularly when personal circumstances shift and a student who initially intended to pursue a Bachelor of Science degree is no longer able to do so. This proposal streamlines the major while still preserving two pathways for students to pursue their goals. This student-centered approach ensures that Ohio State ATI continues to deliver high-quality, workforce-ready education in construction.

## **SECTION 3: WORKFORCE ALIGNMENT**

**3.1** As required by ORC 3333.04, describe the extent to which the [proposed] degree program aligns with the state's workforce development priorities.



The construction industry of Ohio needs workers. Companies that historically preferred to hire a candidate with a baccalaureate degree are shifting their focus to schools with associate programs due to the fact that they get the individual two years earlier. The industry recognizes the value of the skills that students have from their associate programs to “hit the ground running” and help employers increase personnel and capacity. By having individuals that can lead work sooner, they can split crews and increase productivity. Sometimes hiring a single person makes the difference between a contractor having one crew or two crews. The difference is that one person needs to have both the verbal, written, and technological skills necessary to lead, and the practical construction skills to do the work that many entry-level employees are otherwise lacking. The career opportunities for Construction Management AAS graduates in Ohio is nearly unlimited. These graduates can start their own firms, they can work for existing firms in traditional roles, they can work for existing firms that are seeking to advance and provide services in sectors that may be lacking, and they can contribute to the next generation that will build, maintain, and advance Ohio.

Occupational outlooks for both construction managers, and construction site supervisors, are each greater than 5% over the next decade, which also coincides with each job category having employment needs exceeding 75,000 workers over that same time period.

The consolidated Construction Management AAS degree aligns strongly with Ohio’s workforce development priorities by:

- Supporting In-Demand Careers: Construction laborers and managers are listed on Ohio’s Top Jobs List, reflecting urgent statewide demand for skilled workers.
- Accelerating Workforce Entry: The AAS program enables students to enter the workforce more quickly than the AS pathway, meeting employer needs and contributing to Ohio’s economy.
- Delivering Technical Education: The program fulfills the land-grant mission by offering accessible, hands-on training aligned with Ohio’s economic development goals.
- Improving Program Viability: By consolidating programs and increasing graduation numbers, the new AAS degree meets SB1 thresholds and supports long-term sustainability.

**NOTE: Provide Sections 1 - 3 separately for each request to merge programs.**

#### SECTION 4: VERIFICATION AND SIGNATURE

*(Insert name of the institution)* verifies that the information in the application is truthful and accurate.

*Signature of the President, or the President's designee*

*(Insert name and title of the President, or the President's designee)*