

CONSTRUCTION SYSTEMS MANAGEMENT MAJOR (A.S.) INTERESTED IN CONSTRUCTION SYSTEMS MANAGEMENT MAJOR (B.S.)

This model plan of study is presented as a suggested path to graduate in 4 years with an Associate of Science Degree with a major in Construction Systems Management and a Bachelor of Science Degree in Construction Systems Management with a major in Construction Systems Management. It is intended to be a useful guide; however, each student is unique and should review the Degree Requirements and work with their advisor to develop an individualized course plan that best fits their personal academic background and goals.

NOTE: This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

Freshman Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>MATH 1148 should be completed by the end of this year.</i>	ENGTECH	1201.02T	Exploring Construction Careers and Industry	.5	AEDECON	2001	Principles of Food and Resource Economics ^a	3
<i>TECPHYS 1150T should be completed by the end of this year.</i>	ENGTECH	2110T	Construction Drawing & Basic Estimating	1	AGRCOMM ENR	2367 OR 2367	Ag. Issues in Contemp. Soc. Comm. Env. & Nat. Res. Info.	3
<i>ENGLISH 1110.01 should be completed by the end of this year.</i>	ENGTECH	2120T	Building Science: Methods & Materials	4	BUSTEC	1202T	Software Applications	1
<i>Begin to consider study abroad programs.</i>	ENGLISH	1110.01	First-Year English Composition	3	ENGTECH	2121T	Drafting & CAD	2
	GENSTDS	1201.01T	College Orientation	.5	ENGTECH	2600T	Const. Safety and Health	2
	MATH	1148	College Algebra	4	TECPHYS	1150T	Technical Physics ^a	5
	RURLSOC	1500	Intro. to Rural Sociology ^a	3	Total: 16			
	Total: 16				Summer Semester			
					ENGTECH	2191.01T	Const. Mgmt. Internship	2
					Total: 2			
Sophomore Year (ATI)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Apply to graduate from ATI at least one semester before the semester of your graduation.</i>	COMLDR	3537	Data Analysis in Applied Sci. ^a	3	AGRCOMM	3130	Oral Expression in Ag. ^a	3
<i>Maintain at least a 2.0 CPHR.</i>	CRPSOIL	2300T	Intro to Soil Science	3	ENGTECH	2160T	Estimating and Scheduling	2
<i>Graduate with Associate of Science Degree.</i>	CRPSOIL	2301T	Intro to Soil Science Lab	1	ENGTECH	2170T	Const. Project Mgmt.	2
	ENGTECH	2310T	Building Science: Electrical & Lighting Systems	3	ENGTECH	2345T	Building Science: Mechanical Systems	3
	ENGTECH	2440T	Site Development & Surveying	4	_____	_____	Arts/Hum elective	3
	_____	_____	Arts/Hum elective	3	Total: 13			
	Total: 17				Total: 13			
Total credit hours for Associate of Science Degree: 64								
Junior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Half of Construction Management Supporting Courses should be completed by the end of this year.</i>	AEDECON	2105	Managerial Records and Analysis ^a	3	AEDECON	3101	Prin. Agribusiness Mgmt. ^a	3
<i>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</i>	AEDECON	3160	Human Resource Mgmt. ^a	3	AEDECON	3170	Agribusiness Law ^a	3
	CSM	2220	IT for Construction	3	CSM	3451	Scheduling Const. Projects	4
	CSM	2240	Construction Materials & Methods I	3	CSM	3545	Structures for Construction Managers I	3
	CSM	2305	Prof. Development I	2	EARTHSCI	1121	The Dynamic Earth	3
	CSM	3450	Estimating for Constr.	4	EARTHSCI	1200	Intro. to Earth Science Lab	1
	Total: 18				Total: 17			
Senior Year (Columbus)	Autumn Semester				Spring Semester			
Benchmarks	Department	Course #	Course Name	Hours	Department	Course #	Course Name	Hours
<i>Maintain at least a 2.0 CPHR.</i>	CSM	3546	Structures for Construction Managers II	3	AEDECON	3103	Prin. Agribus. Finance ^a	3
<i>Graduate with Bachelor of Science Degree.</i>	CSM	4641	Const. Project Mgmt.	2	CSM	4605	Prof. Development II	1
	CSM	4642	Const. Contracts & Docs	3	CSM	4900	Const. Mgmt. Capstone	3
	CSM	4660	Heavy Const. Mgmt.	3	_____	_____	Lit/Art/Hist/Cul&Ideas (course not taken at ATI)	3
	ENTMLGY	1111	Biology of Organisms Affecting Buildings	4	_____	_____	Tech/Bus Elective	3
	_____	_____	Lit/Art/Hist/Cul&Ideas (course not taken at ATI)	3	Total: 13			
	Total: 18				Total: 13			
Total credit hours for Bachelor of Science Degree: 130								

^a One possible course from approved CFAES GE list or B.S. major requirement that has multiple options, as outlined in corresponding *Degree Requirements* document.

CONSTRUCTION SYSTEMS MANAGEMENT MAJOR (A.S.) INTERESTED IN CONSTRUCTION SYSTEMS MANAGEMENT MAJOR (B.S.)

This advising sheet is for Ohio State ATI students that wish to earn both an Associate of Science (A.S.) Degree with a major in Construction Systems Management and a Bachelor of Science (B.S.) Degree with a major in Construction Systems Management. The tables below outline the complete degree requirements to earn a B.S. in Construction Systems Management with a major in Construction Systems Management. The underlined courses are also the complete set of courses required for the A.S. Construction Systems Management major. These courses can count toward both degree programs simultaneously.

NOTE: This sheet should not be used in isolation. In order to graduate in a timely manner, students must consult their academic advisor on a regular basis.

Subject	Course Options	Hours	✓
Survey Courses	<u>GENSTDS 1201.01T*</u> OR FAES 1100 and <u>ENGTECH 1201.02T*</u> OR CSM 1100	.5 .5	
Writing Level 1	<u>ENGLISH 1110</u>	3	
Writing Level 2	<u>AGRCOMM 2367</u> • OR <u>ENR 2367</u> • or other course from approved CFAES GE list. ^a	3	
Oral Communication	<u>AGRCOMM 3130</u> or COMM 2110	3	
Math	<u>MATH 1148</u>	4	
Data Analysis	<u>COMLDR 3537</u> or HCS 2260 or <u>AEDECON 2005</u> or ENR 2000 or ANIMSCI 2260 or STAT 1450	3	
Biological Science	ENTMLGY 1111	4	
Physical Science	<u>TECPHYS 1150T*</u> or PHYSICS 1200	5	
Additional Science	<u>CRPSOIL 2300T*</u> and <u>2301T*</u> OR ENR 3000 and 3001	4	
Additional Science	EARTHSCI 1121 and 1200	4	
Social Science 1	<u>RURLSOC 1500</u> • or SOCIOL 1101•	3	
Social Science 2	<u>AEDECON 2001</u> or ECON 2001	3	
Historical Study	<u>HISTORY 1152</u> or other course from approved CFAES GE list. ^a	3	
Culture & Ideas or Historical Study	<u>RELSTDS 2370</u> ▲ or other course from approved CFAES GE list. ^a	3	
Literature	<u>COMPSTD 2301</u> ▲ or other course from approved CFAES GE list. ^a	3	
Art	<u>MUSIC 2250</u> ▲ or other course from approved CFAES GE list. ^a	3	
CSM Core	See Table 2.	55	
Construction Mgmt. Supporting Courses	See Table 3.	18	
Internship	<u>ENGTECH 2191.01T*</u> OR CSM 3191	2	
Electives	(May include <u>ENGTECH 2160T*</u> and <u>BUSTEC 1202T*</u>)	3	
Minimum Total Credit Hours		130	

^a Available at www.cfaes.osu.edu/students

^b Must complete both ENGTECH 2110T and 2170T to receive transfer credit for CSM 2205.

^c With appropriate selection of Construction Management Supporting Courses, it is possible to complete the requirements for the Agribusiness minor. See advisor if interested.

^d There is an equivalent course in each of these categories offered at ATI.

^e Prerequisite: AEDECON 2105 or ACCTMIS 2200

^f Prerequisite: ACCTMIS 2000

^g See B.S. Degree Requirements available at www.fabe.osu.edu.

* courses are only offered at the Wooster (ATI) Campus

Note: A capital OR separates a pair of equivalent courses, a lowercase or separates a choice between different courses that fulfill the same requirement.

Additional Bachelor's Degree Requirements:

- All students must complete at least one Social Diversity (●) course and two Global Issues (▲) courses. Please see the approved CFAES GE list for additional options.
- A 2.00 cumulative CPHR is required as well as a 2.00 CPHR in the major and minor coursework.
- Students must complete a minimum of 30 credit hours at The Ohio State University with at least 12 in the department in Columbus offering the major.
- Applications to graduate must be submitted at least three semesters in advance.

Course(s)	Hours	✓
<u>ENGTECH 2110T*</u> and ^b <u>2170T*</u> Construction Drawing & Basic Estimating and ^b Construction Project Management OR CSM 2205 Introduction to Construction Management	3	
CSM 2220 Information Technology for Construction	3	
CSM 2240 Construction Materials and Methods I	3	
<u>ENGTECH 2120T*</u> Building Science: Methods & Materials OR CSM 2241 Construction Materials and Methods II	3	
CSM 2305 Professional Development I	2	
<u>ENGTECH 2310T*</u> Building Sci: Electrical & Lighting Systems OR CSM 2310 Electrical & Lighting Systems for Buildings <u>ENGTECH 2345T*</u> Building Science: Mechanical Systems OR CSM 2345 Mechanical Systems for Buildings	6	
<u>ENGTECH 2440T*</u> Site Development & Surveying CSM 2440 Construction Surveying & Site Development	4	
<u>ENGTECH 2600T*</u> Construction Safety & Health OR CSM 2600 Construction Safety and Health	3	
CSM 3450 Estimating for Construction	4	
CSM 3451 Scheduling Construction Projects	4	
CSM 3545 Structures for Construction Managers I	3	
CSM 3546 Structures for Construction Managers II	3	
CSM 4605 Professional Development II	1	
CSM 4641 Construction Project Management	2	
CSM 4642 Construction Control: Contracts & Documents	3	
CSM 4660 Heavy Construction Management	3	
CSM 4900 Construction Management Capstone	3	
<u>ENGTECH 2121T*</u> Drafting & Computer-Aided Design OR CSM 2210 Graphic Presentation	2	
Total CSM Core Credit Hours	55	

Course(s)	Hours	✓
Required Electives: Accounting (choose one from below) AEDECON 2105 Managerial Records and Analysis or ACCT&MIS 2200 Introduction to Accounting I or ACCT&MIS 2000 Foundations of Accounting	3 3 3	
Principles of Management (choose one from below) AEDECON 3101 Principles of Agribusiness Management or BUSMHR 3100 Foundations of Mgmt. & Human Resources	3 3	
Business Law (choose one from below) AEDECON 3170 Agribusiness Law or BUSFIN 3500 Legal Environment of Business and BUSFIN 4510 Legal Business Issues	3 1.5 1.5	
Business Elective (choose at least one from list ^g)	9	
Technical Electives (choose at least one from list ^g)		
Total Supporting Course Credit Hours	18	