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)

<table>
<thead>
<tr>
<th>Benchmarks</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1148 should be completed by the end of this year.</td>
<td>ENGTECH</td>
<td>1201.02T</td>
<td>Exploring Construction Careers and Industry</td>
<td>.5</td>
</tr>
<tr>
<td>TECPHYS 1150T should be completed by the end of this year.</td>
<td>ENGTECH</td>
<td>2110T</td>
<td>Construction Drawing &amp; Basic Estimating</td>
<td>1</td>
</tr>
<tr>
<td>ENGLISH 1110.01 should be completed by the end of this year.</td>
<td>ENGTECH</td>
<td>2120T</td>
<td>Building Science: Methods &amp; Materials</td>
<td>4</td>
</tr>
<tr>
<td>ENGLISH 1110.01 First-Year English Composition</td>
<td>ENGLISH</td>
<td>1110.01</td>
<td>First-Year English Composition</td>
<td>3</td>
</tr>
<tr>
<td>GENSTDS 1201T College Orientation</td>
<td>GENSTDS</td>
<td>1201T</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1148 College Algebra</td>
<td>GENSTDS</td>
<td>1148</td>
<td>Intro. to Rural Sociology*</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 16

### Sophomore Year (ATI)

<table>
<thead>
<tr>
<th>Benchmarks</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply to graduate from ATI at least one semester before the semester of your graduation.</td>
<td>COMLDR</td>
<td>3537</td>
<td>Data Analysis in Applied Sci. *</td>
<td>3</td>
</tr>
<tr>
<td>Maintain at least a 2.0 CPHR.</td>
<td>CRPSOIL</td>
<td>2300T</td>
<td>Intro to Soil Science</td>
<td>3</td>
</tr>
<tr>
<td>Graduate with Associate of Science Degree.</td>
<td>ENGTECH</td>
<td>2310T</td>
<td>Building Science: Electrical &amp; Lighting Systems</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENGTECH</td>
<td>2440T</td>
<td>Site Development &amp; Surveying</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>ENGTECH</td>
<td>2310T</td>
<td>Site Development &amp; Surveying</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>MATH</td>
<td>1148</td>
<td>Intro. to Rural Sociology*</td>
<td>3</td>
</tr>
</tbody>
</table>

Total: 16

### Junior Year (Columbus)

<table>
<thead>
<tr>
<th>Benchmarks</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Half of Construction Management Supporting Courses should be completed by the end of this year.</td>
<td>ADECON</td>
<td>2105</td>
<td>Managerial Records and Analysis *</td>
<td>3</td>
</tr>
<tr>
<td>Apply to graduate from Columbus at least three semesters before the semester of your graduation.</td>
<td>ADECON</td>
<td>3160</td>
<td>Human Resource Mgmt. *</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CSE</td>
<td>1112</td>
<td>Computer Problem Solving for CSM</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CSM</td>
<td>2240</td>
<td>Construction Materials &amp; Methods I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CSM</td>
<td>2305</td>
<td>Prof. Development I</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CSM</td>
<td>3450</td>
<td>Estimating for Constr.</td>
<td>4</td>
</tr>
</tbody>
</table>

Total: 17

### Senior Year (Columbus)

<table>
<thead>
<tr>
<th>Benchmarks</th>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maintain at least a 2.0 CPHR.</td>
<td>CSM</td>
<td>3546</td>
<td>Structures for Construction Managers II</td>
<td>3</td>
</tr>
<tr>
<td>Graduate with Bachelor of Science Degree.</td>
<td>CSM</td>
<td>4641</td>
<td>Const. Project Mgmt.</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>CSM</td>
<td>4642</td>
<td>Const. Contracts &amp; Docs</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CSM</td>
<td>4660</td>
<td>Heavy Const. Mgmt.</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ENTMLGY</td>
<td>1111</td>
<td>Biology of Organisms Affecting Buildings</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Lit/Math/History/Culture/Ideas (course not taken at ATI)</td>
<td></td>
</tr>
</tbody>
</table>

Total: 18

### Summer Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGTECH</td>
<td>2191.01T</td>
<td>Const. Mgmt. Internship</td>
<td>2</td>
</tr>
</tbody>
</table>

Total: 2

Total credit hours for Associate of Science Degree: 64

### Spring Semester

<table>
<thead>
<tr>
<th>Department</th>
<th>Course #</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADECON</td>
<td>3101</td>
<td>Prin. Agribusiness Mgmt. *</td>
<td>3</td>
</tr>
<tr>
<td>ADECON</td>
<td>3170</td>
<td>Agribusiness Law *</td>
<td>3</td>
</tr>
<tr>
<td>CSM</td>
<td>3451</td>
<td>Scheduling Const. Projects</td>
<td>4</td>
</tr>
<tr>
<td>CSM</td>
<td>3545</td>
<td>Structures for Construction Managers I</td>
<td>3</td>
</tr>
<tr>
<td>EARTHSCI</td>
<td>1121</td>
<td>The Dynamic Earth</td>
<td>4</td>
</tr>
</tbody>
</table>

Total: 17

Total credit hours for Bachelor of Science Degree: 130

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

***Degree requirements and course offerings are subject to change. March 2016 – JG***
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.

Additional Bachelor’s Degree Requirements:
1. 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.
2. A 2.00 cumulative CGPA is required as well as a 2.00 CGPA in the major and minor coursework.
3. 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.
4. Applications to graduate must be submitted at least three semesters in advance.

***Degree requirements and course offerings are subject to change. June 2016 – JG***

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### Table 1. Degree Requirements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Course Options</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Survey Courses</td>
<td>GENSTS 1201T* OR FSIS 1100 and ENGTECH 1201 201T* OR CSM 1100</td>
<td>.5</td>
</tr>
<tr>
<td>Writing Level 1</td>
<td>ENGLISH 1110</td>
<td>3</td>
</tr>
<tr>
<td>Writing Level 2</td>
<td>AGRCOMM 2367T* OR ENR 2367T* or other course from approved CFAES GE list. 7</td>
<td>3</td>
</tr>
<tr>
<td>Oral Communication</td>
<td>AGRCOMM 3130 OR COMM 2110</td>
<td>3</td>
</tr>
<tr>
<td>Math</td>
<td>MATH 1148</td>
<td>4</td>
</tr>
<tr>
<td>Data Analysis</td>
<td>COMLDR 3537 or HCS 2260 or AEDECON 2005 or ENR 2000 or ANISCI 2500 or STAT 1450</td>
<td>3</td>
</tr>
<tr>
<td>Biological Science</td>
<td>ENTMLGY 1111</td>
<td>4</td>
</tr>
<tr>
<td>Physical Science</td>
<td>TECPHYS 1150T* or PHYSICS 1200</td>
<td>5</td>
</tr>
<tr>
<td>Additional Science</td>
<td>CRPSOIL 2300T* and 2301T* OR ENR 3000 and 3001</td>
<td>4</td>
</tr>
<tr>
<td>Additional Science</td>
<td>EARTHSCI 1121</td>
<td>4</td>
</tr>
<tr>
<td>Social Science 1</td>
<td>RURLSOC 1500 or SOCIOL 1110•</td>
<td>3</td>
</tr>
<tr>
<td>Social Science 2</td>
<td>AEDECON 2001 or ECON 2001</td>
<td>3</td>
</tr>
<tr>
<td>Historical Study</td>
<td>HISTORY 1152 or other course from approved CFAES GE list. 7</td>
<td>3</td>
</tr>
<tr>
<td>Culture 8, Ideas or Historical Study</td>
<td>RELSTS 2370• or other course from approved CFAES GE list. 7</td>
<td>3</td>
</tr>
<tr>
<td>Literature</td>
<td>COMPSTD 2301• or other course from approved CFAES GE list. 7</td>
<td>3</td>
</tr>
<tr>
<td>Art</td>
<td>MUSIC 2250• or other course from approved CFAES GE list. 7</td>
<td>3</td>
</tr>
<tr>
<td>CSM Core</td>
<td>See Table 2.</td>
<td>55</td>
</tr>
<tr>
<td>Construction Mgmt. Supporting Courses</td>
<td>See Table 3.</td>
<td>15-17</td>
</tr>
<tr>
<td>Internship</td>
<td>ENGTECH 2191.01T* OR CSM 3191</td>
<td>2</td>
</tr>
<tr>
<td>Electives</td>
<td>(May include ENGTECH 2160T* and BUSTEC 1202T*)</td>
<td>4-6</td>
</tr>
<tr>
<td><strong>Minimum Total Credit Hours</strong></td>
<td></td>
<td>130</td>
</tr>
</tbody>
</table>

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### Table 2. Construction Systems Management Core Requirements

<table>
<thead>
<tr>
<th>Course(s)</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGTECH 2110T* and 2170T* Construction Drawing &amp; Basic Estimating and Construction Project Management OR CSM 2205 Introduction to Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CSM 2240 Construction Materials and Methods I</td>
<td>3</td>
</tr>
<tr>
<td>ENGTECH 2120T* Building Science: Methods &amp; Materials</td>
<td>3</td>
</tr>
<tr>
<td>CSM 2241 Construction Materials and Methods II</td>
<td>3</td>
</tr>
<tr>
<td>CSM 2305 Professional Development I</td>
<td>2</td>
</tr>
<tr>
<td>ENGTECH 2310T* Building Sci: Electrical &amp; Lighting Systems OR CSM 2310 Electrical &amp; Lighting Systems for Buildings</td>
<td>6</td>
</tr>
<tr>
<td>ENGTECH 2345T* Building Science: Mechanical Systems OR CSM 2345 Mechanical Systems for Buildings</td>
<td>4</td>
</tr>
<tr>
<td>ENGTECH 2440T* Site Development &amp; Surveying CSM 2440 Construction Surveying &amp; Site Development</td>
<td>4</td>
</tr>
<tr>
<td>ENGTECH 2600T* Construction Safety &amp; Health OR CSM 2600 Construction Safety and Health</td>
<td>3</td>
</tr>
<tr>
<td>CSM 3450 Estimating for Construction</td>
<td>4</td>
</tr>
<tr>
<td>CSM 3451 Scheduling Construction Projects</td>
<td>4</td>
</tr>
<tr>
<td>CSM 3545 Structures for Construction Managers I</td>
<td>3</td>
</tr>
<tr>
<td>CSM 3546 Structures for Construction Managers II</td>
<td>3</td>
</tr>
<tr>
<td>CSM 4605 Professional Development II</td>
<td>1</td>
</tr>
<tr>
<td>CSM 4641 Construction Project Management</td>
<td>2</td>
</tr>
<tr>
<td>CSM 4642 Construction Control: Contracts &amp; Documents</td>
<td>3</td>
</tr>
<tr>
<td>CSM 4680 Heavy Construction Management</td>
<td>3</td>
</tr>
<tr>
<td>CSM 4900 Construction Management Capstone</td>
<td>3</td>
</tr>
<tr>
<td>CSE 1112 Computer Problem Solving for CSM</td>
<td>3</td>
</tr>
<tr>
<td>ENGTECH 2121T* Drafting &amp; Computer-Aided Design OR CSM 2210 Graphic Presentation</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total CSM Core Credit Hours</strong></td>
<td>55</td>
</tr>
</tbody>
</table>

### Table 3. Construction Management Supporting Course Requirements

<table>
<thead>
<tr>
<th>Course(s)</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (choose one from below)</td>
<td></td>
</tr>
<tr>
<td>AEDDECON 2105 Managerial Records and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT&amp;MIS 2200 Introduction to Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>or ACCT&amp;MIS 2000 Foundations of Accounting</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Management (choose one from below)</td>
<td></td>
</tr>
<tr>
<td>AEDDECON 3101 Principles of Agribusiness Management</td>
<td>3</td>
</tr>
<tr>
<td>or BUSMHR 3100 Foundations of Mgmt. &amp; Human Resources</td>
<td>3</td>
</tr>
<tr>
<td>Business Law (choose one from below)</td>
<td></td>
</tr>
<tr>
<td>ADEDECON 3170 Agribusiness Law</td>
<td>3</td>
</tr>
<tr>
<td>or BUSFIN 3500 Legal Environment of Business and BUSFIN 4510 Legal Business Issues</td>
<td>1.5</td>
</tr>
<tr>
<td>Finance (choose one from below)</td>
<td></td>
</tr>
<tr>
<td>ADEDECON 3103 Principles of Agribusiness Finance*</td>
<td>3</td>
</tr>
<tr>
<td>or BUSFIN 3120 Foundations of Finance†</td>
<td>3</td>
</tr>
<tr>
<td>or ISE 2040 Engineering Economic Analysis</td>
<td>2</td>
</tr>
<tr>
<td>Human Resources (choose one from below)</td>
<td></td>
</tr>
<tr>
<td>ADEDECON 3160 Human Resource Mgmt. in Small Business or COMLDR 3530 Foundations of Personal &amp; Professional Leadership</td>
<td>2</td>
</tr>
<tr>
<td>or COMLDR 4430 Leadership in Teams &amp; Community Organizations</td>
<td>3</td>
</tr>
<tr>
<td>Technical/Business Electives (choose one from list 3)</td>
<td>1-5</td>
</tr>
<tr>
<td><strong>Total Supporting Course Credit Hours</strong></td>
<td>15-17</td>
</tr>
</tbody>
</table>

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* Available at [www.cfaes.osu.edu/students](http://www.cfaes.osu.edu/students)

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

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

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

* Prerequisite: AEDDECON 2105 or ACCT&MIS 2200

* Prerequisite: ACCT&MIS 2000

* See B.S. Degree Requirements available at [www.fabe.osu.edu](http://www.fabe.osu.edu).

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