

# BACHELOR OF SCIENCE, MAJOR IN CONSTRUCTION MANAGEMENT

**Additional information:** Reference the Program Landing Page (<https://www.shsu.edu/programs/bachelor-of-science-in-construction-management/>) for additional information, such as cost, delivery format, contact information, or to schedule a visit.

Code	Title	Hours
<b>Bachelor of Science, Major in Construction Management</b>		
<b>Core Curriculum</b> ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/</a> )		
Component Area I (Communication)		6
Component Area II (Mathematics) <sup>1</sup>		3
Component Area III (Life and Physical Science)		8
Component Area IV (Language, Philosophy, and Culture)		3
Component Area V (Creative Arts)		3
Component Area VI (U.S. History)		6
Component Area VII (Political Science/Government)		6
Component Area VIII (Social and Behavioral Sciences)		3
Component Area IX (Component Area Option)		4
<b>Degree Specific Requirements</b>		
ENGL 3330 or MATH 3379	Introduction to Technical Writing Statistical Methods in Practice	3
MATH 1314	Pre Calculus Algebra <sup>1</sup>	3
MATH 1316	Plane Trigonometry <sup>1</sup>	3
PHYS 1301 & PHYS 1101	General Physics-Mechanics and Heat and General Physics Laboratory I	4
PHYS 1302 & PHYS 1102	General Physics-Sound, Light, Electricity, and Magnetism and General Physics Laboratory II	4
<b>Major: Foundation</b>		
BUAD 3355	Business Law	3
ETCM 1363	Wood Frame Construction	3
ETCM 2350	Surveying	3
ETCM 2367	Metal Building Systems	3
ETCM 3320	Mechanical, Electrical & Plumbing (MEP) Systems in Buildings	3
ETCM 3353 or ETEC 4350	Construction Project Management Utilities Project Management	3
ETCM 3368	Concrete/Masonry Construction	3
ETCM 3371	Civil Design Technology	3
ETCM 3372	Construction Drafting	3
ETCM 4310	Construction Cost Estimating	3
ETCM 4315	Construction Scheduling	3
ETCM 4330	Construction Equipment & Procedures	3
ETCM 4368	Building Materials	3
ETCM 4370	Construction Plans & Documents	3
ETCM 4371	Building Information Modeling	3
ETDD 1361	Engineering Graphics	3
ETEC 1010	Engineering Foundations	1-2
ETEC 4384	Supervisory Personnel Practice	3
ETEC 4391	Work Base Mentorship	3
ETEC 4399	Senior Design II <sup>2</sup>	3
ETEE 1340	Introduction to Circuits	3
ETSM 3323	Construction Safety	3

**Minor: Not Required**<sup>3,4</sup>**Total Hours****120-121**

- <sup>1</sup> MATH 1314 or MATH 1316 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirement.
- <sup>2</sup> B.S. Construction Management major students are not required to take ETEC 4199 (1 SCH) as a prerequisite for this class.
- <sup>3</sup> A minor is **not required** for this degree program; however, a student has the option to add a minor, but to do so, additional semester credit hours will be needed above the degree program's stated total semester credit hours.
- <sup>4</sup> All minors can be paired with this degree program.

**Notes**

Students must earn a 2.0 minimum overall GPA in all coursework.

Students must meet a 2.0 minimum overall major GPA in all major coursework.

Students must earn a 2.0 minimum SHSU GPA in all coursework.

Students must meet a 2.0 minimum SHSU major GPA in all major coursework.

Students should use elective and/or minor hours to satisfy the 42 advanced hour requirement.

**Additional information:** Reference the Program Landing Page (<https://www.shsu.edu/programs/bachelor-of-science-in-construction-management/>) for additional information, such as cost, delivery format, contact information, or to schedule a visit.

**First Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Component Area I ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai</a> )		3 Component Area I ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai</a> )	3
Component Area VII ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii</a> )		3 Component Area IV ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai</a> )	3
ETCM 1363		3 ETCM 3371	3
ETDD 1361		3 ETEE 1340	3
ETEC 1010		1-2 MATH 1316 <sup>1</sup>	3
MATH 1314 <sup>1</sup>		3	
	<b>16-17</b>		<b>15</b>

**Second Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Component Area V ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav</a> )		3 Component Area VII ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii</a> )	3
Component Area VI ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi</a> )		3 Component Area VIII ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii</a> )	3
ETCM 2350		3 ENGL 3330 or MATH 3379	3
ETCM 3320		3 ETCM 3372	3
PHYS 1301 & PHYS 1101		4 PHYS 1302 & PHYS 1102	4
	<b>16</b>		<b>16</b>

**Third Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Component Area III ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii</a> )		4 Component Area III ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaiii</a> )	4
Component Area VI ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi</a> )		3 Component Area IX ( <a href="https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix">https://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix</a> )	4
ETCM 2367		3 BUAD 3355	3
ETCM 3368		3 ETCM 4310	3
ETEC 4384		3 ETCM 3323	3
		<b>16</b>	<b>17</b>

**Fourth Year**

<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
ETCM 3353 or ETEC 4350		3 ETCM 4368	3
ETCM 4315		3 ETEC 4391	3
ETCM 4330		3 ETEC 4399 <sup>2</sup>	3
ETCM 4370		3	
ETCM 4371		3	
		<b>15</b>	<b>9</b>

**Total Hours: 120-121**

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The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's **60x30TX plan** and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The BS in Construction Management is designed to provide graduates with the following marketable skills:

- Complete a project on time, within budget, and of required quality.
- Interpret construction documents for materials and quantities.
- Demonstrate leadership, teamwork, and effective communication skills.
- Recognize professional, ethical, and social responsibilities, and diversity.
- Administer safety awareness and regulatory compliance.
- Acquire knowledge through applied industry experiences, services, and life-long learning.