

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
Bachelor of Science, Major in Construction Management		
Core Curriculum (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/)		
Component Area I (Communication)		6
Component Area II (Mathematics) ¹		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
Degree Specific Requirements		
ENGL 3330 or MATH 3379	Intro to Technical Writing Statistical Methods in Practice	3
MATH 1314	Pre Calculus Algebra ¹	3
MATH 1316	Plane Trigonometry ¹	3
PHYS 1301 & PHYS 1101	General Phy-Mechanics & Heat and General Physics Laboratory I	4
PHYS 1302 & PHYS 1102	Gen Phy-Snd,Lght, Elec, & Mag and General Physics Laboratory II	4
Major: Foundation		
BUAD 3355	Business Law	3
ETCM 1363	Wood Frame Construction	3
ETCM 2350	Surveying	3
ETCM 2363	Architectural Design	3
ETCM 2367	Metal Building Systems	3
ETCM 3320	Mechanical, Electrical & Plumbing (MEP) Systems in Buildings	3
ETCM 3353	Construction Project Management	3
ETCM 3368	Concrete/Masonry Construction	3
ETCM 3371 or ETCM 3372	Civil Design Technology Construction Drafting	3
ETCM 4310	Construction Cost Estimating	3
ETCM 4315	Construction Scheduling	3
ETCM 4330	Construction Mgt & 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
ETEC 4099	Engineering Innovation	1
ETEC 4384	Supervisory Personnel Practice	3
ETEC 4391	Work Base Mentorship	3
ETEC 4399	Senior Design	3
ETEE 1340	Introduction to Circuits	3

ETSM 3323	Construction Safety	3
Minor: Not Required ^{2,3}		

Total Hours **121**

¹ MATH 1316 or MATH 1314 satisfies the Core Curriculum requirement for Component Area II (Mathematics) and the Degree Specific requirement.

² 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 credits hours will be needed above the degree program's stated total semester credit hours.

³ 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.

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First Year

Fall	Hours	Spring	Hours
Component Area I (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)		3 Component Area I (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
Component Area VII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)		3 Component Area IV (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareai)	3
ETCM 1363		3 ETCM 2363	3
ETDD 1361		3 ETEE 1340	3
ETEC 1010		1 MATH 1316 ¹	3
MATH 1314 ¹		3	
		16	15

Second Year

Fall	Hours	Spring	Hours
Component Area V (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareav)		3 Component Area VII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavii)	3
Component Area VI (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)		3 Component Area VIII (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaviii)	3
ETCM 2350		3 ETCM 3371 or 3372	3
ETCM 3320		3 MATH 3379 or ENGL 3330	3
PHYS 1301 & PHYS 1101		4 PHYS 1302 & PHYS 1102	4
		16	16

Third Year

Fall	Hours	Spring	Hours
Component Area III		4 Component Area III	4

Component Area VI (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareavi)	3	Component Area IX (http://catalog.shsu.edu/undergraduate/academic-policies-procedures/degree-requirements-academic-guidelines/core-curriculum/#componentareaix)	4
ETCM 2367	3	BUAD 3355	3
ETCM 3368	3	ETCM 4310	3
ETEC 4384	3	ETSM 3323	3
	16		17
Fourth Year			
Fall	Hours	Spring	Hours
ETCM 3353		3 ETCM 4368	3
ETCM 4315		3 ETEC 4391	3
ETCM 4330		3 ETEC 4399	3
ETCM 4370	3		
ETCM 4371	3		
ETEC 4099	1		
	16		9

Total Hours: 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.