

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		
	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	Introduction 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 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
Major: Foundation		
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 ⁴	3
ETEE 1340	Introduction to Circuits	3
ETSM 3323	Construction Safety	3

Minor: Not Required^{2,3}**Total Hours** **120-121**

- ¹ MATH 1314 or MATH 1316 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.
- ⁴ B.S. Construction Management major students are not required to take ETEC 4099 Engineering Innovation (1 credit Hour) as a pre-requisite for this class.

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		3 Component Area I	3
Component Area VII		3 Component Area IV	3
ETCM 1363		3 ETCM 3371	3
ETDD 1361		3 ETEE 1340	3
ETEC 1010		1-2 MATH 1316 ¹	3
MATH 1314 ¹		3	
		16-17	15

Second Year

Fall	Hours	Spring	Hours
Component Area V		3 Component Area VII	3
Component Area VI		3 Component Area VIII	3
ETCM 2350		3 ETCM 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		3 Component Area IX	4
ETCM 2367		3 BUAD 3355	3
ETCM 3368		3 ETCM 4310	3
ETEC 4384		3 ETCM 3323	3
		16	17

Fourth Year

Fall	Hours	Spring	Hours
ETCM 3353 or ETEC 4350		3 ETCM 4368	3
ETCM 4315		3 ETEC 4391	3
ETCM 4330		3 ETEC 4399 ²	3
ETCM 4370		3	

ETCM 4371	3	
	15	9

Total Hours: 120-121

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Notes

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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.