

BS in Construction Management

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Degree Program Description

The construction management program provides students a foundation in technical, administrative, and communications skills necessary to succeed in the construction industry, including knowledge about scope, schedule, budget, quality, safety, and sustainability.

Major Program Requirements

The BS in Construction Management requires a total of 120 credit hours for completion. Students must complete all courses listed in the General and Core categories below. In addition, students are required to complete 23 credits chosen from the list of Elective Courses in Construction Management which has three subcategories: heavy construction, building systems, and business/economics. In consultation with their academic advisor, students should choose the elective courses in Construction Management and other courses to complete the major program requirements and all other requirements. Students earning a BS in Construction Management are required to complete University (<https://catalog.missouri.edu/academicdegreerequirements/universityrequirements/>), General Education (<https://catalog.missouri.edu/academicdegreerequirements/generaleducationrequirements/>), and College of Engineering (<https://catalog.missouri.edu/collegeofengineering/#undergraduatetext>) requirements.

MATH 1500	Analytic Geometry and Calculus I	5
PHYSICS 2750	University Physics I	5
CHEM 1400	College Chemistry I	3
ENGLSH 1000	Writing and Rhetoric	3
ARCHST 1100	Visual Design	3
ARCHST 2100	Understanding Architecture and the American City	3

Required Core Courses

ENGINR 1100 or ARCHST 2220	Engineering Graphics Fundamentals Introduction to CAD	2
CV_ENG 2510	Introduction to Surveying	3
CV_ENG 2520	Construction Drawings and Specifications	3
CV_ENG 4500	Construction Management	3
CV_ENG 4145	Civil and Environmental Engineering Legal Issues	3
CV_ENG 4510	Mechanics and Materials for Construction	3
CV_ENG 4520	Construction Contracting	3
CV_ENG 4530	Construction Safety	3
CV_ENG 4540	Construction Planning and Scheduling	3
CV_ENG 4550	Construction Project Costing	3

CV_ENG 4560	Construction Estimating	3
CV_ENG 4980	Civil Engineering Systems Design	3
INFOTC 1040	Introduction to Problem Solving and Programming	3
ARCHST 2230	Design Communication I	3
ARCHST 2323	Sustainable Building Design Fundamentals	3
ARCHST 4333	Compliance and Specifications	3
ARCHST 4815	Construction Documents and Building Information Modeling Studio	5
LEAD 4242W	Strategic Communication Leadership - Writing Intensive	3
LEAD 4244W	Creating Cultures Through Effective Strategic Communication and Leadership - Writing Intensive	3
FINANC 1000 or FINANC 2000 or FINANC 3000	Principles of Finance Survey of Business Finance Corporate Finance	3
ECONOM 1014	Principles of Microeconomics	3
ECONOM 1015	Principles of Macroeconomics	3
MANGMT 3000	Principles of Management	3
ACCTCY 2010	Introduction to Accounting	3
COMMUN 1200	Public Speaking	3

Elective Courses

Heavy Construction

CV_ENG 3050	Introduction to Geographic Information Systems GIS	3
CV_ENG 3100	Fundamentals of Transportation Engineering	4
CV_ENG 4100	Traffic Engineering	3
CV_ENG 4104	Pavement Materials and Design	3
CV_ENG 4105	Asphalt Materials and Mixture Design	3
CV_ENG 4106	Intelligent Transportation Systems	3
CV_ENG 4110	Transportation Simulation	3
CV_ENG 4120	Airport Engineering	3
CV_ENG 4155	Transportation Geography	3
CV_ENG 4160	Urban Transportation Data Science	3
CV_ENG 4185	Location Analysis/Site Selection	3
CV_ENG 4230	Introduction to Water Quality	3
CV_ENG 4250	Environmental Regulatory Compliance	3
CV_ENG 1000	Introduction to Civil Engineering	1
CV_ENG 2510	Introduction to Surveying	3
CV_ENG 4520	Construction Contracting	3
CV_ENG 2800	Introduction to Engineering Sustainability	3

Building Systems

ARCHST 1200	Architectural Drafting and Working Drawings	4
ARCHST 1600	Fundamentals of Environmental Design	3
ARCHST 2220	Introduction to CAD	3
ARCHST 2310	Building Systems	3
ARCHST 2315	Introduction to Building Systems Laboratory	1
ARCHST 2316	Advanced Building Systems Lab	2
ARCHST 2620	People, Places and Design	3
ARCHST 3230	Advanced Design Communication Using BIM	3

ARCHST 4320	Materials, Methods and Products	3
ARCHST 4323	Sustainable Technologies and Systems	3
ARCHST 4325	Data-Driven Building Design	3
ARCHST 4430	Guiding Design with Historic Preservation	3

Business/Economics

ACCTCY 2026	Accounting I	3
ACCTCY 2027	Accounting II	3
ECONOM 3229	Money, Banking and Financial Markets	3
ECONOM 3251	Managerial Economics	3
ECONOM 3367	Law and Economics	3
ECONOM 4315	Public Economics	3
ECONOM 4316	State and Local Finance	3
ECONOM 4317	Urban Economics	3
ECONOM 4328	Financial Economics	3
FINANC 2000	Survey of Business Finance	3
FINANC 3000	Corporate Finance	3
MANGMT 2700	Introduction to Entrepreneurship	3

Semester Plan

Below is a sample plan of study, semester by semester. A student's actual plan may vary based on course choices where options are available.

First Year			
Fall	CR	Spring	CR
MATH 1500		5 CHEM 1400 & CHEM 1401	4
ECONOM 1014		3 CV_ENG 4500	3
ENGLISH 1000		3 CV_ENG 2520	3
ARCHST 1100		3 ENGINR 1100	2
		COMMUN 1200	3
		14	15
Second Year			
Fall	CR	Spring	CR
CV_ENG 4510::Mechanics and Materials for Construction		3 CV_ENG 4560	3
ARCHST 2100		3 ARCHST 2230	3
CV_ENG 2510		3 CM Electives	6
PHYSICS 2750		5 ECONOM 1015	3
		14	15
Third Year			
Fall	CR	Spring	CR
CV_ENG 4530		3 CV_ENG 4540	3
CV_ENG 4550		3 ARCHST 2323	3
ARCHST 4333		3 FINANC 1000	3
ACCTCY 2010		3 LEAD 4244W	3
LEAD 4242W		3 CM Electives	3
		15	15
Fourth Year			
Fall	CR	Spring	CR
CV_ENG 4145 or 4520		3 CV_ENG 4980W	3
INFOTC 1040		3 ARCHST 4815	5
MANGMT 3000		3 American History/Gov't (MO Law)	3
CM Electives		6 CM Electives	5

HFA	3
15	19

Total Credits: 122

Degree Audit

The degree audit is an automated report reflecting a student's academic progress toward the completion of a degree.

MU students can request a degree audit by logging in to myDegreePlanner (<https://mydegreeplanner.missouri.edu>). Students may also access myDegreePlanner via myZou, in the Student Center, click on the Academic Progress Tile, then select Request Degree Audit. The audit automatically pulls in the student's MU course work, transfer courses and courses in progress. This is available to current students, admitted students, and those who last attended less than three terms ago.

Past MU students can request a degree audit by contacting the Academic Advising Unit of the division in which they were last enrolled at MU. For contact information, go to <https://advising.missouri.edu/contact/>.

Prospective students, can access a preliminary MU degree audit via <https://www.transferology.com> (<https://www.transferology.com/>). Information on the college credits already earned will have to be manually entered before it can be evaluated against current degree requirements.

For additional details on degree audits, go to <https://registrar.missouri.edu/degrees-audits/degree-audits/>.

Major and Career Exploration

The University of Missouri has many resources to assist you in exploring majors and career possibilities. For guidance, visit the Majors and Careers (<https://career.missouri.edu/career-and-major-exploration/>) website or view specific resources below.

- **Change your Major.** If you are considering changing your undergraduate major or are choosing between several majors, schedule an appointment with an advisor in the Discovery Center (<https://discoverycenter.missouri.edu/>) by calling (573) 884-9700 or through the Discovery Center service in your MU Connect (<https://mizzou.starfishsolutions.com/starfish-ops/dl/instructor/serviceCatalog.html?bookmark=service/3761489>) success network.
- **Decided on a Major.** If you have decided on a major, visit an academic advisor in the School or College that you are interested in to discuss the process of declaring that major (<https://advising.missouri.edu/majors-minors/changing-major/>).
- **Identify your Interests and Strengths.** If you would like to learn more about your career interests, abilities, values, and talents, visit the staff at the MU Career Center (<https://career.missouri.edu/>). No appointment is necessary to explore career options with one of our staff members.
- **Explore MU Majors.** If you would like information about MU majors and degree programs, visit Majors at Mizzou (<https://majors.missouri.edu/>) or the Degrees, Majors (Degree Programs), Emphasis Areas, Minors and Certificates (<https://catalog.missouri.edu/degreesanddegreeprograms/>) page in the catalog.

For additional major and career exploration resources, visit Major & Career Exploration (<https://catalog.missouri.edu/majorcareerexploration/>) in the catalog.