

BACHELOR OF SCIENCE IN CONSTRUCTION SCIENCE AND MANAGEMENT

The Bachelor of Science in Construction Science and Management gives students a complete view of the building life cycle, including design, construction and operation. Students learn technology-driven methods of construction management and critical leadership skills. The curriculum shows students how prefabrication, 3D printing, virtual and augmented reality, drones, and robotics can impact safety, profitability, and sustainability. It's the major for students who prefer the practical and tangible aspects of the built environment, incorporating perspectives of construction contractors, owners, and facility managers.

Code	Title	Credit Hours
Wellness Requirement		
APPH 1040	Scientific Foundations of Health	2
	or APPH 10 The Science of Physical Activity and Health	
	or APPH 10 Flourishing: Strategies for Well-being and Resilience	
Core IMPACTS		
Institutional Priority		
CS 1301	Introduction to Computing	3
	or CS 1315 Introduction to Media Computation	
Mathematics and Quantitative Skills		
MATH 1552	Integral Calculus	4
Political Science and U.S. History		
HIST 2111	The United States to 1877	3
	or HIST 2117 The United States since 1877	
	or INTA 1200 American Government in Comparative Perspective	
	or POL 1101 Government of the United States	
	or PUBP 3000 American Constitutional Issues	
Arts, Humanities, and Ethics		
Any HUM		6
Communicating in Writing		
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Technology, Mathematics, and Sciences		
MATH 1551	Differential Calculus	2
MATH 1553	Introduction to Linear Algebra	2
Lab Science Elective		8
Social Sciences		
Any SS		9
Field of Study ²		
ECON 2100	Economic Analysis and Policy Problems ¹	3
BC 2610	Construction Technology I	3
BC 2620	Construction Technology II	3
BC 2631	Introduction to Construction Management	2
BC 2632	Construction Materials and Methods	3
BC 2634	Construction Plans and Estimates	3
Major Requirements		
BC 2636	Construction Safety	3

BC 3600	Construction Cost Management	3
BC 3610	Construction Law	3
BC 3630	Project Management I	3
BC 3640	Construction Mechanics	3
BC 4050	Building Information Modeling for Multi-disciplinary Integration	3
BC 4130	Intg Design Constr & Dev	3
BC 4600	Project Management II	3
BC 4630	Senior Capstone Project	3
BC 4660	Entrepreneurship in Construction	3
BC 4672	Mechanical, Electrical and Plumbing Systems for Construction Managers	3
BC 4680	Professional Internship	3
BC 4710	Green Construction	3
MGT 2106	Legal, Social, Ethical Aspects of Business	3
MGT 3000	Financial and Managerial Accounting	3
MGT 3078	Finance and Investments	3
MGT 3101	Organizational Behavior	3
Free Electives		
Free Electives		9
Total Credit Hours		122

¹ ECON 2100 is preferred. See advisor for other options.

² One hour from Core IMPACTS will count in the Field of Study.