## 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 1	0 The Science of Physical Activity and Health			
or APPH 1	O Flourishing: Strategies for Well-being and Resilience	9		
Core IMPACT	S			
Institutional I	Priority			
CS 1301	Introduction to Computing	3		
or CS 1315	5 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 21	11 The United States since 1877			
or INTA 12	OAmerican Government in Comparative Perspective			
or POL 110	DIGovernment of the United States			
or PUBP 3	0 <b>0</b> 0merican Constitutional Issues			
Arts, Humani	ties, and Ethics			
Any HUM		6		

Aits, Hullialli	ues, and Eulics	
Any HUM		6
Communicati	ng in Writing	
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
Technology, N	Mathematics, and Sciences	
MATH 1551	Differential Calculus	2
MATH 1553	Introduction to Linear Algebra	2
PHYS 2211	Introductory Physics I	4
Lab Science Elective		
Social Science	res	
Any SS		9
Field of Study	1	
ECON 2100	Economic Analysis and Policy Problems <sup>1</sup>	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

<sup>&</sup>lt;sup>1</sup> ECON 2100 is preferred. See advisor for other options.