

Bachelor of Science Construction Engineering (BSConE) 2025-2026 Catalog

YEAR 1	SEMESTER: FALL		Hours
	Course No.		15
	MAC 2311C	Calculus I	4
	CHS 1440	Principle of Chemistry	4
	EGS 1006C	Intro to Engr Profession	1
	ENC 1101	Composition I	3
	Humanities Foundation 1		3

SEMESTER: SPRING		Hours
Course No.		12
MAC 2312	Calculus II	4
PHY 2048	Physics I	3
PHY 2048L	Physics I Lab	1
EGN 1007C	Engr Concepts Methods	1
ENC 1102	English Composition II	3

SEMESTER: SUMMER		Hours
Course No.		10
Humanities Foundation 2		3
MAC 2313	Calculus III	4
EGN 3310	Engineering Statics	3

YEAR 2	SEMESTER: FALL		Hours
	Course No.		14
	MAP 2302	Differential Equations	3
	ENV 3001	Environmental Engr	3
	STA 3032	Prob & Stats for Engrs	3
	EGN 3613	Engr Economic Analysis	2
	Social Sciences Foundation 1		3

SEMESTER: SPRING		Hours
Course No.		15
EGN 3331C	Mechanics of Materials	3
CWR 3201	Fluid Mechanics	3
CCE 4003	Intro to Constr Ind	3
COP 2500C	Concepts Computer Sci	3
Social Sciences Foundation 2		3

YEAR 3	SEMESTER: FALL		Hours
	Course No.		12
	CEG 4011C	Geotechnical Engr I	3
	PHY 2049	Physics II	3
	PHY 2049L	Physics II Lab	1
	CGN 3405	Numerical Methods	3
	CGN 3090	Engr Reports & Liability	2

SEMESTER: SPRING		Hours
Course No.		15
CCE 4402	Constr Equip & Product	3
CES 4100C	Structural Analysis	3
Technical Elective		3
ACG 2071	Managerial Accounting	3
CCE 4034	Constr Est & Scheduling	3

FOCUS AREA 1		
Course No.		Hours
ESI 4312	Deterministic Methods	3
CAI 4823	Artificial Intelligence IE	3

FOCUS AREA 2		
Course No.		Hours
ESI 4234	Quality Engineering	3
EIN 4517	Systems Engineering	3

YEAR 4	SEMESTER: FALL		Hours
	Course No.		15
	CCE 4810C	Construction Engr Design	3
	CWR 4202C	Hydraulics	3
	CCE 4813	Mech & Elect Sys for Bldg	3
	CCE 4004	Construction Methods	3
	Focus Area Selected Elective 1		3

SEMESTER: SPRING		Hours
Course No.		14
CGN 4808C	Capstone Design	3
CGN 3700C	CE Measurements	2
CGN 3501C	CE Materials	3
Focus Area Selected Elective 2		3
Technical Elective		3

FOCUS AREA 3		
Course No.		Hours
FIN 3403	Business Finance	3
MAR 3023	Marketing	3