



core	gen. ed.
architecture	engineering
structures	m.e.p.
technology	construction

B.S. in ARCHITECTURAL ENGINEERING

AY 2019-2020

(03/04/19)

FRESHMAN semester 1	AREN 1205 Intro to Arch. Engineering	MATH 1426 Calculus 1 (calculus ready)	ENGR 1250 Engineering Problem Solving (calculus ready)	ENGL 1301 Rhetoric & Composition 1	ARCH 1301 Intro to Arch. & Interior Design	ENGR 1101 or UNIV 1131	15 s.c.h.
FRESHMAN semester 2	AREN 2315 Const. Materials and Methods (AREN 1205)	PHYS 1443 General Technical Physics 1 (MATH 1426)	MATH 2425 Calculus 2 (MATH 1426)	IE 2308 Engineering Economics (MATH 1426)			14 s.c.h.
SOPHOMORE semester 1	AREN 2311 Statics (PHYS 1443)	PHYS 1444 General Technical Physics 2 (PHYS 1443)	MATH 2326 Calculus 3 (MATH 2425)	ARCH 2341 Design Communications 1	HIST 1301 History of the U.S. to 1865		16 s.c.h.
SOPHOMORE semester 2	AREN 2352 Intro to Digital Technologies (calculus ready)	AREN 2221 Dynamics (AREN2311,MATH2425)	AREN 2313 Mechanics of Materials 1 (AREN2311,MATH2425)	CHEM 1465 Chemistry for Engineers (MATH 1421)	COMS 2302 Communication for Science & Eng. (ENGL1301,ENGR1250)		15 s.c.h.
JUNIOR semester 1	MATH 3319 Diff. Equations & Linear Algebra (MATH 2326)	AREN 3341 Structural Analysis (AREN 2313)	ARCH 3357 Bldg Information Modeling (AREN 2352)	ARCH 3551 Basic Design for Engineering (ARCH1301/2341)			14 s.c.h.
JUNIOR semester 2	AREN 3343+ Soil Mechanics and Lab (3143) (AREN 2313)	AREN 3311 Construction Engineering (IE 2308)	AREN 3331 Mechanical and Electrical Systems (PHYS 1444)	AREN 3305 Basic Fluid Mechanics (AREN 2311)	AREN 4347 Reinforced Concrete Design (AREN 3341)		16 s.c.h.
SENIOR semester 1	AREN 4352 Professional Practice (AREN 3311)	AREN 3301 Stochastic Models for Civil Eng. (MATH 2425)	AREN 4348 Structural Design in Steel (AREN 3341)	HIST 1302 History of the U.S. 1865 - Present	POLS 2311 Government of United States		15 s.c.h.
SENIOR semester 2	AREN 4383 Senior Project (AREN 4352)	ARCH 4326 Environmental Control Systems 2	AREN/ARCH Internship or elective 3 s.c.h.	xx 23xx Lang., Philosophy & Culture course	POLS 2312 State and Local Government		15 s.c.h.