

Bachelor of Architectural Engineering (BAE) Study Plan 2023 (10 Semesters)

First Year		Second Year		Third Year		Fourth Year		Fifth Year	
1 Semester	2 Semester	3 Semester	4 Semester	5 Semester	6 Semester	7 Semester	8 Semester	9 Semester	10 Semester
(1) Introduction to Design ARC100(3 Cr./H) Prerequisite (--)	(6) Arch. Design I ARC101 (4 Cr./H) Prerequisite (1& 2)	(11) Arch. Design II ARC200 (4Cr./H) Prerequisite (6)	(16) Civil Engineering Materials CIE222 (4 Cr./H) Pre-req. (8- C0 17)	(21) Structural Analysis I CIE331 (3 Cr./H) Prerequisite (17)	(26) Sustainable Architecture ARC372 (3Cr./H) Prerequisite (4)	(32) Arch. Eng. Design ARE300(3Cr./H) Prerequisite (11, 27)	(37) Advanced Construction Project Management ARE533 (3 Cr./H) Prerequisite (34)	(43) Graduation Project I ARE500 (3 Cr./H) Prerequisite (32)	(47) Graduation Project II ARE501 (3Cr./H) Prerequisite (43)
(2) Engineering Graphics ARE112 (3 Cr./H) Prerequisite (--)	(7) History of Architecture ARC121 (3 Cr./H) Prerequisite (--)	(12) Statics CIE211 (3Cr./H) Prerequisite (4)	(17) Mechanics of Materials CIE212 (3Cr./H) Pre-req. (12-10)	(22) Geotechnical Eng. CIE361 (3Cr./H) Pre-req. (16, 17)	(27) Design of Reinforced Concrete Structures CIE334 (3 Cr./H) Prerequisite (16, 21)	(33) Design of steel structures CIE431 (3Cr./H) Prerequisite (21)	(38) Lighting & Acoustics in Architecture. ARE472 (3 Cr./H) Prerequisite (9)	(44) Professional Practice, Specification & Cost Estimation ARE530 (3Cr./H) Prerequisite (28)	(48) Specialization Elective I (3 Cr./H)
(3) Arabic Written Expression or Arabic as a Foreign Language ARB113 (3 Cr./H) or ARB116 (3 Cr./H) Pre-req. (--)	(8) Chemistry for Engineers CHE101 (3Cr./H) Prerequisite (--)	(13) BIM ARE253(3 Cr./H) Prerequisite (2)	(18) Generative/ Parametric Design ARE254 (3 Cr./H) Pre-req. (13)	(23) Engineering Mechanics - Dynamics MEC205 (3Cr./H) Prerequisite (12)	(28) Advanced Building Construction Technology ARE331 (3 Cr./H) Prerequisite (19)	(34) Construction Project Management ARE532 (3Cr./H) Prerequisite (28)	(39) Building Electrical Systems ARE473 (2 Cr./H) Prerequisite (9)	(45) Humanities & Art Elective (3 Cr./H)	(49) Specialization Elective II (3 Cr./H)
(4) Eng. Physics I PHY121(4 Cr./H) Prerequisite (--)	(9) Eng. Physics II PHY122 (4 Cr./H) Prerequisite (4)	(14) Building Construction Eng. ARE233 (3 Cr./H) Prerequisite (2)	(19) Construction Method & equipment ARE234 (3Cr./H) Prerequisite (14)	(24) Science Elective (3Cr./H) Elective I	(29) Building Mechanical Systems ARE374 (3 Cr./H) Prerequisite (4)	(35) Eng. Economics CIE 371 (3 Cr./H) Pre-req. (10, 25)	(40) Innovation & Entrepreneurship INN311 (3Cr./H) Prerequisite Finish (60Cxr./H)	(46) Islamic Culture ISL114 (3 Cr./H) Prerequisite (--)	(50) Social & Behavioral Science Elective (3 Cr./H)
(5) Eng. Math I MTH121 (3 Cr./H) Pre-req. (--)	(10) Eng. Math II MTH122 (3Cr./H) Prerequisite (5)	(15) Eng. Math III MTH221 (3Cr./H) Prerequisite (10)	(20) Eng. Math. IV MTH222 (3Cr./H) Prerequisite (15)	(25) General Statistics STA114 (3 Cr./H)	(30) English Writing. ENG103 (3 Cr./H) Pre-req. (--)	(36) Science Elective (3Cr./H) Elective II	(41) Emiratis Studies EMS112(3 Cr. /H) Pre-req. (--)		
					(31) Arch. Eng. Training I ARE351 (1Cr./H) (8 weeks) Pre-req. (Year 3 + ARE331)		(42) Arch. Eng. Training II ARE352 (1Cr./H) (8 weeks) Pre-req. (Year 4 + ARE351)		
16	17	16	16	15	15	15	14	12	12