

College of Engineering
Department of Architectural & Interior Design Engineering

Study Plan of B. Sc. In Interior Design Engineering Programme 2018-2019																	
Year one	1st Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	2nd Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	
		INDE111	Basic Design Studio	-	3	1	4	0			ENGI172	Introduction to Engineering	-	2	1	0	2
ENGI171	Building components and system	-	2	2	0	0		INDE131	Human Factors in Design	-	2	2	0	0			
ENGI161	Engineering Mathematics I	-	2	1	0	2		ENGI163	Physics of Lighting & Acoustics	-	2	1	0	2			
ENGI162	Material Physics and Properties	-	2	1	0	2		INDE122	Architectural Drawing and Drafting	INDE121	3	1	4	0			
INDE121	Engineering Drawing	-	2	1	2	0		ENGI164	Engineering Mathematics II	ENGI161	2	1	0	2			
ARB103	Arabic Language	-	3	2	0	2		INDE132	Design Research & Methods	-	2	2	0	0			
ENGI118	English for Effective Communication	-	3	2	0	2		ENGI119	English for Technical Reporting	-	3	2	0	2			
Total				17	10	6	8	Total				16	10	4	8		
S.S										SPAC141	Sport and Activities	-	2	100 hours of activities			

Year Two	3rd Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	4th Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	
		INDE211	Interior Design Engineering Studio I	INDE111+ INDE131	3	1	4	0			INDE212	Interior Design Engineering Studio II	INDE211	3	1	4	0
INDE231	Historical styles in Architecture & Design	-	2	2	0	0		ENGI272	Structural & Form Design for Interiors	ENGI162+ ENGI271	3	2	0	2			
INDE221	Digital Drafting Media	INDE122	3	1	0	4		ENGI273	Thermal Comfort and Indoor Air Quality	ENGI261	3	2	0	2			
ENGI261	Thermodynamic & Fluid Mechanics	ENGI161	3	2	0	2		ENGI274	Illumination and Acoustics Engineering Design	ENGI163	3	2	0	2			
ENGI271	Interior Construction & Materials	ENGI171	3	2	0	2		INDE213	Color and Lighting Design	INDE111	2	1	2	0			
ENGI210	Advanced English Skills	ENGI119	3	2	0	2		HST201	History and Culture of Bahrain	-	2	2	0	0			
Total				17	10	4	10	Total				16	8	6	6		
S.S										INDE241	Internship 1	Achieving 40% Cr.Hr	1	100 working hours in a workplace			

Year Three	5th Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	6th Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	
		INDE311	Interior Design Engineering Studio III	INDE212+ ENGI271	4	1	6	0			INDE312	Interior Design Engineering Studio IV	INDE311+ ENGI272	4	1	6	0
INDE331	Modern & Contemporary Design	INDE231	2	2	0	0		ENGI373	Transportation within Interior Environments	ENGI272	2	2	0	0			
ENGI371	Electrical System for Interiors	ENGI172	2	1	0	2		ENGI351	Sustainability Engineering and Design	ENGI273	3	1	4	0			
ENGI372	Plumbing system and fixture	ENGI261	3	2	0	2		ENGI341	Engineering Economics and Management	ENGI164	2	2	0	0			
INDE321	BIM for Interior Design Detailing	ENGI271	3	1	0	4		ENGI374	Interior Finishing, Furnishing & Accessories	ENGI271	2	2	0	0			
SUS301	Sustainability	-	2	2	0	0		ADM301	Entrepreneurship and Innovation	-	2	2	0	0			
Total				16	9	6	8	Total				15	10	10	0		
S.S										INDE341	Internship II	INDE241+ Achieving 60% Cr.Hr	2	200 working hours in a workplace			

Year Four	7th Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	8th Semester	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab
		INDE411	Interior Design Engineering Studio V	INDE312+ ENGI351	4	1	6	0			INDE413	Interior Design Engineering Graduation Project	INDE412 +ENGI451	5	2	8
INDE421	BIM for Scheduling and Coordination	INDE321	3	1	0	4		INDE441	Professional Practice and ethics	INDE341	2	2	0	0		
ENGI451	Building Codes and Regulations	ENGI171	2	2	0	0		ENGI471	Interiors Conservation and Rehabilitation	ENGI374	2	2	0	0		
ENGI452	Smart and sustainable interiors	ENGI351	2	1	2	0		ENGI472	Manufacturing of Interior Detailing	ENGI341	3	2	0	2		
INDE412	Product and Furniture Design	ENGI374	3	1	4	0		LAW453	Human rights	-	2	2	0	0		
XXXX4XX	Elective I	According to the course	3	According to the course				XXXX4XX	Elective II	According to the course	3	According to the course				
Total				17	6	12	4	Total				17	10	8	2	
Total				136	73	56	46									

Elective Courses

electives	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab	electives	Code	Title	Pre-Req.	Cr.H.	Lec	St	Lab
	INDE 414	Design of Urban Furnishings	INDE212	3	1	4			ENGI473	Process and Technology for Manufactory Automation	INDE321	3	1	4	
INDE415	Design for Set and Media Production	INDE311+ ENGI274	3	1	4		ENGI474	Advanced Services Technology for Interiors	ENGI372	3	1	4			
INDE416	Marine and Yacht Interior Design	INDE311+ ENGI374	3	1	4		ENGI475	Light Frame Construction for Interiors	ENGI272	3	1	4			
INDE417	Advanced Healthcare Design	INDE312+ ENGI371+ ENGI372	3	1	4		INDE442	Scientificity and Journalism in Design	INDE132 + ENGI351	3	3				