



College: **ENGINEERING**
 Department: **CIVIL AND ARCHITECTURAL ENGINEERING**
 Cohort: **2003**
 Degree: **B. ENG.**
 Major: **ARCHITECTURAL ENGINEERING**

University Requirements (UR)	18	
Arabic	3	
English	6	
Contemporary Omani Society	1	
Oman & Islamic Civilization or Islamic Culture	2	
Free Elective	6	
College Requirements (CR)	35	
Math	17	
Physics	8	
Computer Programming	3	
Chemistry	3	
Introduction to Engineering	2	
Workshop	1	
Elective	1	
Industrial Training	0	
Department Requirements (DR)	107	
Department Core	35	
Track	63	
Electives	9	
TOTAL	160	

For reference contact: Dr. Mohamed Abdel-Halim Ext. 1332
(HoD)

HoD Date

Dean's Office Date

Registrar's Office Date

Department of Civil and Architectural Engineering
Architectural Engineering Degree Plan: 2003 Cohort (Scheme I)

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Semester 1 Fall 2002		University English	0					UR
	Total		0					

Semester 2 Spring 2003	ARAB1001	Arabic	3	3				UR
	HIST1010	Oman & Islamic Civilization or						
	ISLM1010	Islamic Culture	2	2				UR
	LANC2160	English for Engineering I	3	3				UR
	ENGR1500	Introduction to Engineering	2	1		2		CR
	ENGR1600	Workshop I	1		2			CR
	MATH1106	Pre-Calculus Mathematics	4	3		2		CR
Total		15						

Semester 3 Fall 2003	LANC2161	English for Engineering II	3	3			LANC2160	UR
	SOCI3320	Contemporary Omani Society	1	1				UR
	CHEM1071	General Chemistry for Engineers	3	3				CR
	MATH2107	Calculus I	4	3		2	MATH1106	CR
	PHYS2107	General Physics I	4	3	3		MATH2107*	CR
Total		15						

Semester 4 Spring 2004		University Elective I	3					UR
		College Elective ¹	1		2			CR
	COMP2216	Programming in Fortran	3	2	2			CR
	MATH2108	Calculus II	3	2		2	MATH 2107	CR
	PHYS2108	General Physics II	4	3	3		PHYS 2107	CR
	CIVL3216	Basic Mechanics	4	3		2	PHYS2107	DR
Total		18						

Semester 5 Fall 2004	MATH3171	Linear Algebra & Multivariate	3	2		2	MATH2108	CR
	MATH4174	Differential Equations for Engineers	3	2		2	MATH2108	CR
	CIVL3002	Drawing I	2		2			DR
	CIVL3056	Surveying	3	2	2		MATH2107	DR
	CIVL3086	Mechanics of Materials	3	2		2	CIVL3216	DR
	CIVL3096	Construction Materials	3	2	2			DR
Total		17						

January 2005	ENGR3006	Industrial Training I	0				CIVL3056	CR
	Total		0					

¹ ENGR1601 WORKSHOP II

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Semester 6 Spring 2005	CIVL4046	Fluid Mechanics	3	2	2		CIVL3216	DR
	CIVL3046	Drawing II	2		2		CIVL3002	DR
	CIVL3036	Structures I	3	2	2		CIVL3086	DR
	AREN 2101	Architectural Design I	3		6			DR
	AREN 2301	Architectural Drawing I	2		4			DR
	AREN 3401	History I: Modern & Contemporary	3	3				DR
	Total			16				

Semester 7 Spring 2005	AREN 3801	Building Construction Methods	3	3				DR
	AREN 3102	Architectural Design II	4		8		AREN 2101	DR
	AREN 3302	Architectural Drawing II	2		4			DR
	AREN 3201	Architectural Design Theory	2	2				DR
	MEIE 3006	Thermodynamics	3	2	2			DR
	Total			14				

Semester 8 Spring 2006								
	AREN 3303	Architectural Drawing III	3		6		AREN 3801	DR
	AREN 4103	Architectural Design III	5		10		AREN 3102	DR
	AREN 3402	History II: Islamic & Vernacular	2	3				DR
	AREN 3803	Environ I: Acoustics & Illumination	3	3			PHYS 2017, 2108	DR
	AREN 3806	Services I: Sanitary & Plumbing	2	1	2			DR
Total			15					

Semester 9 Fall 2006		Architectural Elective I	3					DR
	CIVL 4206	Concrete Design	3	2	2		CIVL3036,3046,3096	DR
	AREN 4809	Conservation Techniques	2	2				DR
	AREN 3804	Environ II: Climatic Design	3	3			PHYS 2017, 2108	DR
	AREN 3807	Services II: Mechanical Design	2	1	2			DR
	AREN 4104	Architectural Design IV	4		8		AREN 4103	DR
Total			17					

January 2007	AREN 4901	Practical Experience I	0					DR
	Total			0				

Semester 10 Spring 2007		University Elective II	3				UR
		Architectural Elective II	3				DR
	CIVL4216	Steelwork Design	3	2	2	CIVL3036, 3046	DR
	AREN 3601	Settlement I	3	2	2		DR
	AREN 4105	Architectural Design V	1		2	AREN 4103	DR
	CIVL5204	Engineering Economics	3	2		2	DR
	Total			16			

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Summer 2007	ENGR4006	Industrial Training II	0					CR
	Total			0				

Semester 11 Fall 2007		Architectural Elective III	3				DR
	AREN 3805	Environ III: Hot Arid Design	2	2		AREN 3804	DR
	AREN 4808	Services III: Electrical Design	2	1	2		DR
	AREN 4802	Specifications & Contracts	2	2			DR
	AREN 5106	Architectural Design VI	5		10		DR
	CIVL 5336	Construction Management	3	3		CIVL5204	DR
	Total			17			

Department of Civil and Architectural Engineering
Architectural Engineering Degree Plan: 2003 Cohort (Scheme II)

Semester	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
	Semester 1 Fall 2002		University English	0				
Total		0						
Semester 2 Spring 2003			University English	0				
	Total		0					
	Semester 3 Fall 2003		University Elective	3				
LANC2160		English for Engineering I	3	3				UR
CHEM1071		General Chemistry for Engineers	3	3				CR
ENGR1500		Introduction to Engineering	2	1		2		CR
ENGR1600		Workshop I	1		2			CR
MATH1106		Pre-Calculus Mathematics	4	3		2		CR
Total		16						
Semester 4 Spring 2004	ARAB1001	Arabic	3	3				UR
	HIST1010	Oman & Islamic Civilization or						
	ISLM1010	Islamic Culture	2	2				UR
	LANC2161	English for Engineering II	3	3			LANC 2160	UR
	SOCI3320	Contemporary Omani Society	1	1				UR
	MATH2107	Calculus I	4	3		2	MATH1106	CR
	PHYS2107	General Physics I	4	3	3		MATH2107*	CR
Total		17						
Summer 2004	MATH2108	Calculus II	3				MATH2107	CR
	CIVL3216	Basic Mechanics	4	3		2	PHYS2107	DR
	Total		7					
Semester 5 Fall 2004		College Elective ²	1		2			CR
	PHYS2108	General Physics II	4	3	3		PHYS 2107	CR
	CIVL3002	Drawing I	2		2			DR
	CIVL3056	Surveying	3	2	2		MATH2107	DR
	CIVL3086	Mechanics of Materials	3	2		2	CIVL3216	DR
	CIVL3096	Construction Materials	3	2	2			DR
	Total		16					
January 2005	ENGR3006	Industrial Training I	0				CIVL3056	CR
	Total		0					

² ENGR1601 WORKSHOP II

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Semester 6 Spring 2005	COMP2216	Programming in Fortran	3	2		2		CR
	MATH3171	Linear Algebra & Multivariate	3	2		2	MATH2108	CR
	CIVL3036	Structures I	3	2	2		CIVL3086	DR
	AREN 2101	Architectural Design I	3			6		DR
	AREN 2301	Architectural Drawing I	2			4		DR
	CIVL3046	Drawing II	2		2		CIVL3002	DR
Total			16					

Summer 2005	CIVL4046	Fluid Mechanics	3	2	2		CIVL3216	DR
	AREN 3401	History I: Modern & Contemporary	3	3				DR
	Total			6				

Semester 7 Fall 2005	MATH4174	Differential Equations for	3	2		2	MATH2108	CR
	AREN 3801	Building Construction Methods	3	3				DR
	AREN 3102	Architectural Design II	4		8		AREN 2101	DR
	AREN 3302	Architectural Drawing II	2		4			DR
	AREN 3201	Architectural Design Theory	2	2				DR
	MEIE 3006	Thermodynamics	3	2	2			DR
Total			17					

Semester 8 Spring 2006	AREN 4103	Architectural Design III	5		10		AREN 3102	DR
	AREN 3303	Architectural Drawing III	3		6		AREN 3801	DR
	AREN 3402	History II: Islamic & Vernacular	2	3				DR
	AREN 3803	Environ I: Acoustics & Illumination	3	3			PHYS 2017, 2108	DR
	AREN 3806	Services I: Sanitary & Plumbing	2	1	2			DR
Total			15					

Semester 9 Fall 2006		Architectural Elective I	3					DR
	CIVL 4206	Concrete Design	3	2	2		CIVL3036,3046,3096	DR
	AREN 4809	Conservation Techniques	2	2				DR
	AREN 3804	Environ II: Climatic Design	3	3			PHYS 2017, 2108	DR
	AREN 3807	Services II: Mechanical Design	2	1	2			DR
	AREN 4104	Architectural Design IV	4		8		AREN 4103	DR
Total			17					

January 2007	AREN 4901	Practical Experience I	0						DR
	Total			0					

Semester 10 Spring 2007		Architectural Elective II	3			DR
		University Elective II	3			UR
	CIVL5204	Engineering Economics	3	2	2	DR
	AREN 3601	Settlement I	3	2	2	DR
	AREN 4105	Architectural Design V	1	2	AREN 4103	DR
	CIVL4216	Steelwork Design	3	2	2	CIVL3036, 3046
	Total			16		

		Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Summer 2007	ENGR4006	Industrial Training II	0						CR
	Total			0					

Semester 11 Fall 2007		Architectural Elective III	3				DR
	AREN 4802	Specifications & Contracts	2	2			DR
	AREN 5106	Architectural Design VI	5	10			DR
	AREN 3805	Environ III: Hot Arid Design	2	2		AREN 3804	DR
	AREN 4808	Services III: Electrical Design	2	1	2		DR
	CIVL 5336	Construction Management	3	3		CIVL5204	DR
	Total			17			