



College: **ENGINEERING**
Department: **CIVIL AND ARCHITECTURAL ENGINEERING**
Cohort: **2004**
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: Professor Ramzi Taha Ext. 1332

HoD

Date

Dean's Office

Date

Registrar's Office

Date

Department of Civil and Architectural Engineering
Architectural Engineering Degree Plan: 2004 Cohort (Scheme I)

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Semester 1 Fall 2004		University English	0					UR
	Total			0				

Semester 2 Spring 2005	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 2005	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 2006		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 2006	MATH3171	Linear Algebra & Multivariate	3	2		2	MATH2108	CR
	MATH4174	Differential Equations for Engineers	3	2		2	MATH2108	CR
	CIVL3002	Drawing I	2		4			DR
	CIVL3056	Surveying	3	2	2		MATH2107	DR
	CIVL3086	Mechanics of Materials	3	2		2	CIVL3216	DR
	CIVL3096	Construction Materials	3	2	2		CIVL3086*	DR
Total			17					

January 2007	ENGR3006	Industrial Training I	0				CIVL3056	CR
	Total			0				

¹ ENGR1601 WORKSHOP II
Last Modification: Oct. 2008.

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Semester 6 Spring 2007	CIVL4046	Fluid Mechanics	3	2	2		CIVL3216	DR
	CIVL3046	Drawing II	2		4		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 Fall 2007	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 3141	Thermodynamics I	3	2	2			DR
Total			14					

Semester 8 Spring 2008								
	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	2				DR
	AREN 3803	Environ I: Acoustics & Illumination	3	3			PHYS 2017	DR
AREN 3806	Services I: Sanitary & Plumbing	2	1	2			DR	
Total			15					

Semester 9 Fall 2008		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	DR
	AREN 3807	Services II: Mechanical Design	2	1	2			DR
	AREN 4104	Architectural Design IV	4		8		AREN 4103	DR
Total			17					

January 2009	AREN 4901	Practical Experience I	0					DR
	Total			0				

Semester 10 Spring 2009		University Elective II	3					UR
		Architectural Elective II	3					DR
	CIVL4216	Steelwork Design	3	2	2		CIVL3036, 3046	DR
	AREN 4105	Architectural Design V	1		2		AREN 4103	DR
	CIVL5204	Engineering Economics	3	2		2	MATH2107	DR
	AREN 3601	Settlement I	3	2	2			
	Total			16				

		Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Semester Summer 2009	ENGR4006	Industrial Training II	0					ENGR3006	CR
	Total			0					

Semester 11 Fall 2009		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: 2004 Cohort (Scheme II)

Semester 1 Fall 2004	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
		University English	0					UR
	Total		0					
Semester 2 Spring 2005		University English	0					UR
	Total		0					
Semester 3 Fall 2005		University Elective	3					UR
	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 2006	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 2006	MATH2108	Calculus II	3				MATH2107	CR
	CIVL3216	Basic Mechanics	4	3		2	PHYS2107	DR
	Total		7					
Semester 5 Fall 2006		College Elective ²	1		2			CR
	PHYS2108	General Physics II	4	3	3		PHYS 2107	CR
	CIVL3002	Drawing I	2		4			DR
	CIVL3056	Surveying	3	2	2		MATH2107	DR
	CIVL3086	Mechanics of Materials	3	2		2	CIVL3216	DR
	CIVL3096	Construction Materials	3	2	2		CIVL3086*	DR
	Total		16					
January 2007	ENGR3006	Industrial Training I	0				CIVL3056	CR
	Total		0					

² ENGR1601 WORKSHOP II
Last Modification: Oct. 2008.

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Semester 6 Spring 2007	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		4		CIVL3002	DR
	Total			16				

Summer 2007	CIVL4046	Fluid Mechanics	3	2	2		CIVL3216	DR
	AREN 3401	History I: Modern & Contemporary	3	3				DR
	Total			6				

Semester 7 Fall 2007	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 3141	Thermodynamics I	3	2	2			DR
Total			17					

Semester 8 Spring 2008	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	2				DR
	AREN 3803	Environ I: Acoustics &	3	3			PHYS 2017	DR
	AREN 3806	Services I: Sanitary & Plumbing	2	1	2			DR
Total			15					

Semester 9 Fall 2008		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	DR
	AREN 3807	Services II: Mechanical Design	2	1	2			DR
	AREN 4104	Architectural Design IV	4		8		AREN 4103	DR
Total			17					

January 2009	AREN 4901	Practical Experience I	0						DR
	Total			0					

Semester 10 Spring 2009		Architectural Elective II	3					DR
		University Elective II	3					UR
	CIVL5204	Engineering Economics	3	2		2	MATH2107	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	DR
Total			16					

	Course Code	Course Title	Cr.	Lec.	Lab.	Tut.	Pre-req./Co-req.*	Cat.
Summer 2009	ENGR4006	Industrial Training II	0				ENGR3006	CR
	Total			0				

Semester 11 Fall 2009		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					