

CES 1103	Environmental Studies I	2
HA 1101	Communication skills	3
CES 1104	Introduction to Data Collection	3
CES 1105	Chainman Practice	4
CES 1106	Journal Book-keeping, Simple Insurance	2
Semester Two		
CES 1201	Preliminary Surveying II (Principles)	2
CES 1202	Reading the Field 2 (Final design, construction)	4
CES 1203	Computer Studies I	2
HA 2101	Sociology	3
CES 1204	Data Collection I	3
CES 1205	Leveller Practice (Prerequisite CES 1105)	4
CES 1206	Basic Law, Local knowledge	2
CES 1301	Industrial Attachment (Core)	2
Year II: Semester One		
CES 2101	Materials	2

CES 2102	Reading the Field 3 (maintenance, rehabilitation) (prerequisite CES 1102)	4
CES 2103	Computer Studies 2	2
CES 2104	Data Collection 2 (instrument use and booking)	2
CES 2105	Survey Assistant Practice (prerequisite CES 1105)	4
CES 2106	Double Entry Book-keeping and Insurance	2
Semester Two		
CES 2201	Presentation	2
CES 2202	Reading the Field 4 (mutal influences) (prerequisite CES 2101)	4
CES 2203	Environmental Studies 2	2
CES 2204	Data Collection 3 (further instruments and methods)	4
CES 2205	Junior Surveyor Practice (prerequisite CES 2105)	4
CES 2206	Additional Law, Design Criteria	2

BACHELOR OF ARCHITECTURE (BARC)

Introduction

The Department of Architecture was established in 1984. In October 1989 the Department made its intake of the first eight students. Since then, the Department has continued to grow in both student and staff levels despite the odds against it, particularly lack of adequate physical resources. The Department in 1999 was accredited by the Commonwealth Association of Architects, which means that the degrees awarded by the Department are considered to be equivalent to those recognized by the Royal Institute of British architects (RIBA), an achievement that is bestowed to very few schools of architecture outside the United Kingdom.

Programme Structure

Year I: Semester I		CU
ARC 1101	Architectural Design Portfolio I	5
CSK 1101	Communication Skills	
ARC 1102	Architectural Design Fundamentals I	4
ARC 1103	Theory of Architecture I	2

ARC 1104	Building Technology and Services I	3
EMT 1103	Mathematics for Architecture	3
TEC 1101	Communication Skills for Technology	3
ARC 1105	History of Architecture I	2
Semester II		
ARC 1201	Architectural Design Portfolio II	5
ARC 1202	Architectural Design Fundamentals II	4
ARC 1203	Theory and Design Structures for Architects I	2
CIV 1203	Electrical Engineering for Civil Engineers	2
ARC 1204	Environmental Building Science I	2
ARC 1205	History of Architecture I	2
Recess Term		
ARC 1301	Measured Drawing	2
TEC 1301	Workshop Practice	2
Total Credit Units for Year I		41

Year II: Semester I		
ARC 2101	Architectural Design Portfolio III	5
ARC 2102	Architectural Design Fundamentals III	4
ARC 2103	Theory of Architecture II	2
ARC 2104	Building Technology and Services II	3
ARC 2105	Introduction to Computer and Aided Design	1
ARC 2106	Computers and Architectural Aided Design	1
TEC 2101	Sociology for Technology	2
Semester II		
ARC 2201	Architectural Design Portfolio IV	5
ARC 2202	Architectural Design Fundamentals IV	5
ARC 2203	Theory and Design of Structures for Architects II	2
ARC 2204	Environmental Building Science II	2
ARC 2205	History of Architecture II	2
ARC 2206	Economics for Architects	2
CIV 2203	Civil Engineering Materials	2
Recess Term		
TEC 2301	Industrial Training for Architects I	2
ARC 2301	Industrial Training for Architects I	2
	Total Credit Units for Year II	39
Year III: Semester I		
ARC 3101	Architectural Design Portfolio V	5
ARC 3102	Architectural Design Fundamentals V	4
ARC 3103	Theory of Architecture III	2
ARC 3104	Building Technology and Services III	3
ARC 3105	History of Architecture III	2
ARC 3106	Architectural Computer Aided Design I	1
ARC 3107	Architectural Computer Aided Design	1
Semester II		
ARC 3201	Architectural Design Portfolio VI	5
ARC 3202	Architectural Design Fundamentals VI	4
ARC 3203	Theory and Design of Structures for Architects III	2

ARC 3204	Construction Management for Architects	2
ARC 3205	Environmental Building Science III	2
ARC 3206	Business Management for Architects	3
CIV 3203	Design of Structures II (Steel)	2
Recess Term		
ARC 3301	Industrial Training for Architects II	2
TEC 3301	Industrial Training for Architects II	2
IND 3301	Industrial Training II	2
	Total Credit Units for Year III	39
Year IV: Semester I (Core Courses)		
ARC 4101	Architectural Design Portfolio VII	6
ARC 4102	Urban and Regional Planning for Architects	4
ARC 4103	Computer Aided Design II	1
ARC 4104	Landscape Design	2
ARC 4105	House Development and Management	2
ARC 4106	Environment and Development for Architects	2
ARC 4107	Computer Aided Design for Architects	1
Elective Courses (1)		
TEC 4106	Environment and Development for Architects	2
TEC 4104	Landscape Design	2
Semester II		
ARC 4201	Architectural Design Portfolio VIII	6
ARC 4202	Interior and Furniture Design	4
ARC 4203	Building Design Economics	3
ARC 4204	Research Methods for Architects	2
ARC 4205	Business Law for Architects	2
ARC 4206	Philosophy for Architects	2
Semester II (Core Courses)		
ARC 4201	Architectural Design Portfolio VIII	6
ARC 4202	Interior and Furniture Design	4
Recess Term		
TEC 4301	Industrial Training for Architects	2
IND 4303	Industrial Training III	2
TEC 4301	Industrial Training for Architects	2
	Total Credit Units for Year IV	37

Year V: Semester I		
ARC 5101	Architectural Project Reports	10
ARC 5102	Professional Architectural Practice	2
ARC 5103	Architectural Project Management III	2

Semester II		
A 5201	Architectural Design Thesis	15
Total Credit Units for Year V		28

BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BCIV)

Programme Structure

Year I: Semester I		CU
CIV 1101	Civil Engineering Drawing	4
CIV 1102	Introduction to Civil Engineering	3
CIV 1103	Statistics and Dynamics for Civil Engineers	3
CIV 1135	Fluid Mechanics	5
CIV 1131	Engineering Drawing	4
CIV 1132	Introduction to Civil Engineering	4
CIV 1133	Mechanics	4
CIV 1134	Strength of Materials	5
CIV 1135	Fluid Mechanics	5
CSK 1101	Communication Skills	
EMT 1101	Engineering Mathematics I	4
EMT 1103	Mathematics for Architecture	4
EMT 1104	Information Communication Technology I	4
EMT 1134	Computer Science	4
TEC 1101	Communication Skills for Technology	3
TEC 1131	Communication Skills	3
TEC 1132	Communication Skills	4
MEC 1101	Engineering Drawing	4
Semester II		
EMT 1201	Engineering Mathematics II	4
EMT 1202	Information Communication Technology II	4
EMT 1232	Computer Science II	4
EMT 1234	Computer Science I	5
CIV 1201	Strength of Materials	4
CIV 1202	Fluid Mechanics for Civil Engineers	3
CIV 1203	Electrical Engineering for Civil Engineers	3
CIV 1204	Fluid Mechanics	3

CIV 1231	Mechanics	3
CIV 1232	Theory of Structures I	4
CIV 1233	Electrical Engineering	5
CIV 1235	Engineering Drawing	5
CIV 1236	Thermodynamics	4
TEC 1231	Sociology	3
ELE 1203	Computer Programming for Electrical ENG I	3
MEC 1201	Engineering Mechanics II	3
Recess Term		
IND 1301	Workshop Practice	2
TEC 1301	Workshop Practice	2
TEC 1331	Workshop Practice	5
Total Year I Credit Units		5
Year II: Semester I		
EMT 2101	Engineering Maths III	4
CIV 2101	Theory of Structures I	3
CIV 2102	Engineering Geology	3
CIV 2103	Engineering Surveying I	4
CIV 2104	Hydraulics	4
CIV 2105	Thermodynamics for Civil Engineers	2
CIV 2131	Soil Mechanics	5
CIV 2132	Engineering Geology	4
CIV 2136	Engineering Geology	5
CIV 2133	Surveying	4
CIV 2134	Surveying	5
CIV 2135	Thermodynamics	3
CIV 2137	Strength of Materials	4
CIV 2138	Theory of Structures II	4
TEC 2101	Sociology of Technology	4
TEC 2131	Sociology	4