

Master of Architectural Engineering – Study Plan

Semester 01			
Code	Course Title	Prerequisite	CR.H
ARE 601	Advanced Research Methodology	-	3 credits Hours
ARE 602	Spatial and Urban Planning	-	3 credits Hours
ARE 603	Artificial intelligence For Built Environment	-	3 credits Hours
ARE 604	Sustainable Built environment	-	3 credits Hours
			12 Credits Hours
Semester 02			
Code	Course Title	Prerequisite	CR.H
ARE 6xx	Elective I	12 CR.HS.	3 credits Hours
ARE 6xx	Elective II	12 CR.HS.	3 credits Hours
ARE 6xx	Elective III	12 CR.HS.	3 credits Hours
ARE 6xx	Elective IV	12 CR.HS.	3 credits Hours
			12 Credits Hours
Semester 03			
Code	Course Title	Prerequisite	CR.H
ARE 670	Thesis	24 Cr. H.	9 credits Hours
Total for programme			33 credits Hours

List Elective Courses: Choose four courses from the following

Code	Course Title	Prerequisite	CR.H
ARE 611	Digital Fabrication	12 Cr. Hrs	3
ARE 612	Parametric Geometry	12 Cr. Hrs	3
ARE 621	Conservation and Urbanism	12 Cr. Hrs	3
ARE 622	Eco-Systemic of networks & Urbanism	12 Cr. Hrs	3
ARE 631	Management, Governance and Urban Policies	12 Cr. Hrs	3
ARE 632	Planning Environmental Assessment	12 Cr. Hrs	3
ARE 641	Land Development Process	12 Cr. Hrs	3
ARE 642	Real Estate Market Analysis	12 Cr. Hrs	3
ARE 651	Active Systems and Material Resources Management	12 Cr. Hrs	3
ARE 652	Green building assessments and Certification	12 Cr. Hrs	3
ARE 661	Construction Cost Analysis and control	12 Cr. Hrs	3
ARE 662	Construction Risk management	12 Cr. Hrs	3