

Ministry of Science Research and Technology



DANESHPAJOOHAN PISHRO
Higher Education Institute

2022

Master of Art in Architecture and Energy



DANESHPAJOOHAN PISHRO HIGHER EDUCATION INSTITUTE

- **COURSE CHART**
- **SEMESTER CHART**

Architecture and Energy Engineering Courses

Course Code	Course Title	Credits	Theoretical	Practical	Pre-requisite	Simultaneous
3016001	Architecture and Energy Design-I	3	0	3	-----	-----
3016002	Architecture and Energy Design-II	3	0	3	Architecture and Energy Design-I	-----
3016003	Urban and Energy Design	4	1	3	Architecture and Energy Design: I, II	-----
3016004	Knowledge Fundamentals of Architecture Sciences in Islam	2	2	0	-----	-----
3016005	Architecture, Climate and Comfort	2	2	0	-----	-----
3016006	Active and Passive Systems	2	2	0	-----	-----
3016007	Thesis	6	0	6	3 semesters	-----
Total Credits		22				

Elective Courses

Course Code	Course Title	Credits	Theoretical	Practical	Pre-requisite	Simultaneous
3016011	Measurement Systems and Optimizing of Existing Building	2	2	0	Active and Inactive Systems, Energy Simulation in Building and Applications of Software	-----
3016012	Heat Transfer	2	2	0	-----	Architecture and Energy Design-I
3016013	Research Method and Thesis Writing	2	2	0	-----	Architecture and Energy Design-I
3016014	Seminar	2	1	1	-----	-----
3016015	Practical Methods of Energy Optimization in Architectural and Urban Design Experiences	2	2	0	-----	-----
3016016	Energy Simulation in Building and Application of Software	2	1	1	-----	-----
3016017	Energy Analysis	2	2	0	-----	-----
3016018	Mechanical, Electrical, Control Systems in Building	2	2	0	-----	-----
3016019	Energy Management in Architecture and Urban Design	2	2	0	-----	-----
Total Credits		18	Students are required to pass 10 credits from the elective courses.			
Total Credits (All Courses)		40				

