

B.Eng (Hons) Architectural Engineering (ASU)

| Year | Semester | Credits | Level | Semester | Credits | Level | |
|------------|---|---------|-------|---|---------|-------|-----------------|
| Semester 1 | | | | Semester 2 | | | |
| 1 | Mathematics 1 | 10 | S | Engineering Science 2 | 10 | S | Core |
| | Intermediate English | 10 | S | Computer Programming for Engineering | 10 | S | Core |
| | Principles of Engineering | 10 | S | Mathematics 2 | 10 | S | Core |
| | Engineering Science 1 | 10 | S | Constructing the Built Environment | 10 | S | Core |
| | Laboratory and Workshop Skills | 10 | S | Study Skills and Professional Practice | 10 | S | Core |
| | | | | Advanced English | 10 | S | Core |
| Summer | Human Rights | | | | 10 | S | Core |
| | Bahrain Civilisation and History | | | | 0 | S | HEC requirement |
| | Arabic Language / Arabic Language for Non-Arabic Speakers | | | | 0 | S | HEC requirement |
| Semester 1 | | | | Semester 2 | | | |
| 2 | Engineering Practice and Design 1 | 10 | 4 | Engineering Practice and Design 2 | 10 | 4 | Core |
| | Engineering Mathematics 1 | 10 | 4 | Engineering Mathematics 2 | 10 | 4 | Core |
| | Architectural Engineering Design and Structures 1 | 10 | 4 | Architectural Engineering Design and Structures 2 | 10 | 4 | Core |
| | Principles of Engineering Science 1 | 10 | 4 | Principles of Engineering Science 2 | 10 | 4 | Core |
| | CAD Graphics | 10 | 4 | Building Technology | 10 | 4 | Core |
| | Integrated Design and Construction | 10 | 4 | Building Environment Simulation and Analysis | 10 | 4 | Core |
| Semester 1 | | | | Semester 2 | | | |
| 3 | Structural Design 1 | 10 | 5 | Structural Design 2 | 10 | 5 | Core |
| | Advanced Engineering Mathematics | 10 | 5 | Building Information Modelling | 10 | 5 | Core |
| | Geotechnics 1 | 10 | 5 | Engineering Ethics | 10 | 5 | Core |
| | Design Procedures for Architecture 1 | 10 | 5 | Design Procedures for Architecture 2 | 10 | 5 | Core |
| | AutoCAD-3D | 10 | 5 | Architectural Engineering Field Studies | 10 | 5 | Core |
| | Engineering Management and Economics | 10 | 5 | | | | |
| Summer | Internship | | | | 10 | 5 | Core |
| Semester 1 | | | | Semester 2 | | | |
| 4 | Project 1 | 10 | 6 | Project 2 | 10 | 6 | Core |
| | Structural Design and Analysis 1 | 10 | 6 | Structural Design and Analysis 2 | 10 | 6 | Core |
| | Engineering Research Methods | 10 | 6 | Geotechnics 2 | 10 | 6 | Core |
| | Energy Conservation in Buildings | 10 | 6 | Innovation, Enterprise and Management | 10 | 6 | Core |
| | Thermodynamics for Buildings | 10 | 6 | Design project | 20 | 6 | Core |
| | Forensic Engineering and Conservation | 10 | 6 | | | | |