

National Authorization and Institutional Quality Assurance

Accreditation & Quality Assurance Commission for Higher Education Institutions (AQACHEI)
The Commission was established in 2007 according the Law No. (20) by the name of Higher Education Accreditation Commission (HEAC) (Under the umbrella of the minister of Higher Education and Scientific Research). In 2009, the Law has been modified such that the HEAC was fully independent. (Under the umbrella of Prime Ministry). In 2016, the Commission has been expanded to include the “Quality Assurance” in its mission (AQACHEI).

AQACHEI aims to advance quality and equity in higher education in Jordan whether in assessment, ranking, or conducting valid, reliable, and unbiased testing services. It also strives to improve the status of higher education in the Kingdom; assuring its quality; motivating higher education institutions to open up to and interact with universities, scientific research institutions, and international accreditation and quality control commissions; and developing higher education by employing internationally comparable standards. AQACHEI will contribute to quality assurance of Jordanian higher education institutions in providing consultations, expertise, and technical support in areas of qualitative assessment of learning outcomes, testing and measurement, evaluation tools, software and techniques, and professional training of faculty and employees through conducting specialized workshops and seminars.

As per AQACHI, the minimum requirements to obtain a bachelor's degree in Architectural Engineering are (165) credit hours as follows:

a. Compulsory fundamental theoretical fields

Knowledge field	Min Credit Hours (CRD)
<p>History and theories of architecture: History of Architecture, Modern Architecture, Contemporary Architecture, Islamic Architecture The following knowledge is not compulsory but important and may be calculated within the minimum hours of the field: (Environmental Human Behavior, Philosophy and Criticism of Architecture, Theories and Methods of Design, Analysis and Programming in Architecture, local Architecture, and Regional Architecture).</p>	15
<p>Building Technology: Building Materials & Building Construction</p>	6
<p>Engineering Systems: Principles of Construction and Mechanics of Construction, Structural systems, Mechanical Systems, Environmental Control (Architecture and Energy). The following knowledge is not compulsory but important and may be counted within the minimum CRD of the field hours: (Survey & Lighting and Acoustics).</p>	12
<p>Urban Science: Urban Planning, Urban Design, Site Coordination. The following knowledge is not compulsory but important and may be counted within the minimum CRD of the field hours: Housing, Heritage Conservation and Management of Resources)</p>	9

- Some courses may be offered from outside the specialization department and calculated within the support fields)
- A single course may contain parts from more than one subject area or main knowledge content. The number of credit hours for each part is estimated based on the course description.
- Any knowledge field other than those specified above may be added as the Department deems appropriate.
- Cognitive areas of study plans are considered based on course descriptions.
- Integration of relevant architectural codes in the teaching of prescribed materials.

b. Supporting fields

Knowledge field	Min Credit Hours (CRD)
Basic Sciences: General Mathematics and Physics (May be part of college requirements)	6
Fundamentals of Project Management and Practice: Professional Practice, Contracts and Specifications, Quantity Severing. The following knowledge is not compulsory but important and may be counted within the minimum CRD of the field hours: (Project Management. Technical Report Writing) (May be offered by the specialization department).	6

c. Practical Courses

Knowledge field	Min Credit Hours (CRD)
Design: Design Principles, Architectural Design, Working Drawings Architectural Detail). The following Studios are not compulsory but are important and may be counted within the minimum CRD of the field hours: Landscape Design, Interior Design, Urban Design, Urban Planning.	40
Architectural Communication and presentation: Architectural Drawing Free Hand Drawing, Perspective, Shade and Shadows, Computer Graphics.	12

d. Practical Training:

- Credit hours for training may be calculated up to a maximum of (6) hours.
- The duration of the practical training shall be (8) weeks (minimum) continuous in one of the accredited bodies, after the student has successfully completed at least 90 credit hours. The student shall be under the supervision of the department, whether training inside or outside Jordan. The department follows up the training to ensure that it achieves its objectives for the purpose of linking the training accreditation with a number of controls, standards and outputs including: attendance, the student's benefit, the student's report and the report of the training authority. Accordingly, it is assumed that there are the following in the college or department:
 - Documented and clear instructions adhere to the above.
 - Clear criteria for accreditation of training institutions
 - Clear criteria for accrediting student training (e.g. attendance, assignment quality, training report and academic supervisor follow-up).

e. Graduation Project:

- A minimum of 120 credit hours must be successfully completed before enrolling in the graduation project.
- Graduation Project consists of two parts: theoretical and practical.
- The number of approved practical hours should not be less than (4) hours.
- Calculates the number of hours of the practical part of the graduation project from the proportion of the applied part to the requirements of compulsory specialization.

f. Laboratories, workshops and Studios:

Laboratories: At least one computer laboratory should be provided with the necessary software.

Design Studios: At least five studios must be provided.

Workshops: Provide at least one Model making lab, so that they are equipped with the necessary tools for the work of architectural models, with a technical supervisor.