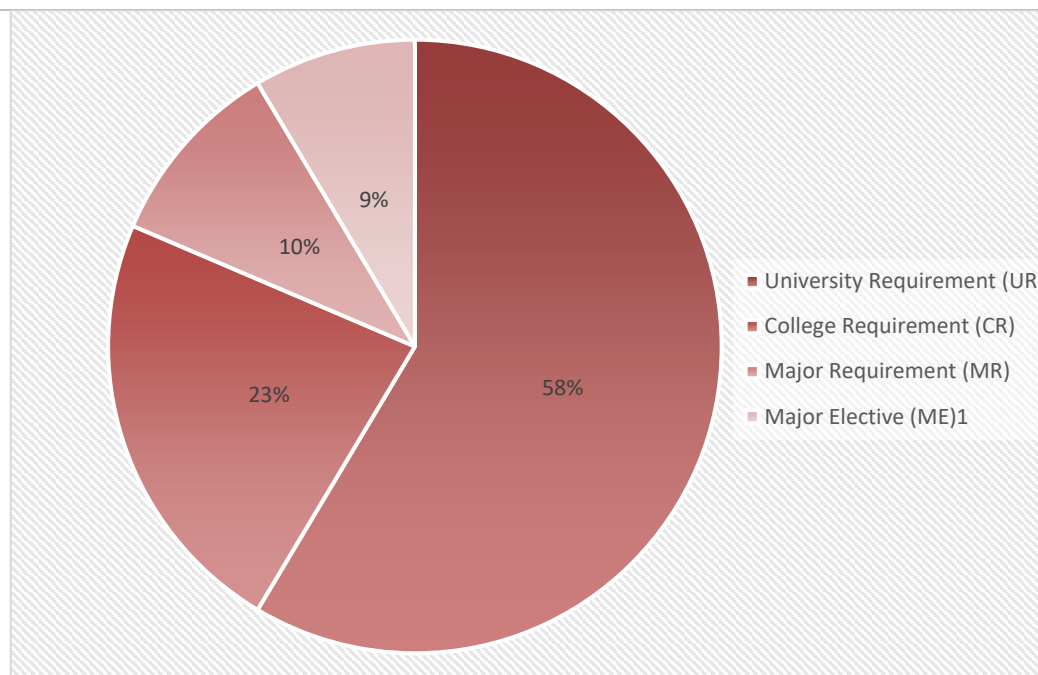


Associate Degree in Interior Architecture

Program Components



University Requirement (UR)	5
College Requirement (CR)	6
General Studies Compulsory (GSCC)	-----
Major Requirement (MR)	63
Major Elective (ME) ¹	3
General Studies Elective (GSE)	-----
Training (Internship)	Yes, included with MR
Total Credit (CRD)	83

¹ Student must take one courses from Major Elective (ME) which is (227).

Detailed Study Plan

Year 1 - Semester 1

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTA 110	Design Fundamentals I	0	6	3	MR	None	Yes
INTA 111	Technical Graphics I	0	6	3	MR	None	Yes
INTA 112	Freehand Drawings	0	2	2	MR	None	Yes
ENGL 101	Communication Skills I	3	0	3	CR	None	No
MATH 106	Mathematics for Built Environment	3	0	3	CR	None	No

Year 1 - Semester 2

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTA 120	Design Fundamentals II	0	6	3	MR	INTA 110	Yes
INTA 121	Technical Graphics II	0	6	3	MR	INTA 110	Yes
INTA 122	Design Visual Communication	1	4	3	MR	INTA 111 & 112	Yes
INTA 123	Creative Thinking	1	2	2	MR	None	Yes
PHYS 107	Physics for Building Design	3	0	3	MSR	None	No
HRLC 107	Human Rights	2	0	2	UR	None	No

Year 2 - Semester 3

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTA 210	Interior Architecture Studio I	0	8	4	MR	INTA 120, INTA 121	Yes
INTA 211	History and Theory of Interior Architecture I	3	0	3	MR	INTA 120	Yes
INTA 212	Building Construction I	1	2	2	MR	INTA 121	
INTA 213	CAD Application	1	4	3	MR	INTA 121	Yes

INTA 214	Material Application	1	2	2	MR	INTA 120	Yes
INTA 215	Users' Study and Analysis (Human Behavior Factors in Design)	1	2	2	MR	INTA 120	Yes

Year 2 - Semester 4

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTA 220	Interior Architecture Studio II	0	8	4	MR	INTA 210	Yes
INTA 222	Building Construction II	1	2	2	MR	INTA 212	Yes
INTA 223	Digital Design Visualization	1	4	3	MR	INTA 213	Yes
INTA 224	Environmental Control Systems I	3	0	3	MR	INTA 210	Yes
INTA 315	Production Drawing I	3	0	3	MR	213	Yes
INTA 227	Textile and Printing	3	0	3	ME	All 100 level courses	Yes

Year 3 - Semester 5

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTA 310	Interior Architecture Studio III	0	8	4	MR	INTA 220	Yes
INTA 314	Advance Knowledge in Structure	3	0	3	MR	INTA 222	Yes
INTA 313	Advance Modelling Visualization	1	4	3	MR	INTA 223	Yes
INTA 324	Production Drawing II	0	4	2	MR	INTA 315	Yes
ARAB 110, or HIST 122, or ISLM 101	Arabic Language Skills Modern History of Bahrain and Citizenship Islamic Culture	3	0	3	UR	None	No
INTA 412	Material and Quantity Surveying	1	2	2	MR	INTA 324	Yes

Training Requirement

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTA 396	Industrial Training I	0	6	3	MR	Completion of 45 CR	Yes

Major Elective Courses

Course Code	Course Title	Course Hours			Course Type	Pre requisite	Major GPA
		LEC	PRAC	CRD			
INTA 227	Textile and Printing	3	0	3	ME	All 100 level courses	Yes

Course Description

Course Code: INTA 110

Course Title: Design Fundamentals 1

أساسيات التصميم ١

Describe the role of design basics in interior design context. Explain Types of design organizations, design principles and design elements. Demonstrate and analyze spatial relationships. Develop Two- and three-dimensional design solutions emphasizing creative thinking and processing the given information.

Course Code: INTA 111

Course Title: Technical Graphics 1

الرسومات التقنية ١

Use of drafting tools, graphic symbols, and lettering. Apply drawing fundamentals, projection systems, orthographic projection, axonometric and isometric projections. Employ application of projection techniques to produce architectural drawings.

Course Code: INTA 112

Course Title: Freehand Drawings.

الرسم الحر

Explain the concept of freehand drawings to communicate design various audiences, expresses ideas and thoughts. Produce interior design drawings using freehand skills. Present compositions, proportions, light, color, and textures will all be illustrated in the drawings using various mediums.

Course Code: INTA 120

Course Title: Design Fundamentals 2

أساسيات التصميم ٢

Explain these two topics color and texture. Demonstrate the importance of color properties and principles. Examine tactile and visual textures. Distinguish, and reorganize relationships between abstract and functional design. Analysis functional definition of a space and create Two- and three-dimensional design alternatives for simple interiors. It's important to mention that the emphasis placed on creativity, conceptual thinking, and implementation of given information.

Course Code: INTA 121

Course Title: Technical Graphics 2.

الرسومات التقنية ٢

Distinguish and apply principles of perspective drawing, representation of interiors using manual perspective drawing techniques (one and two points perspectives), shade and shadows in plans, elevations, and perspectives, conceptual drawings.

Course Code: INTA 122

Course Title: Design Visual Communication

تصميم الاتصال المرئي

Illustrate, analysis and apply design ideas in interior spaces using different presentation techniques. Focus on visual presentation skills needed in the interior Architecture profession. Employ basic rendering techniques to present interior design ideas in floor plans, elevations, and perspectives.

Course Code: INTA 123

Course Title: Creative Thinking

التفكير الإبداعي

Discuss and practice various creative thinking skills to solve design problems, enrich design solutions and boost students' creative confidence and. Distinguish innovative thinking methods and their implementation in design field.

Course Code: INTA 210

Course Title: Interior Architecture Studio I.

ستوديو العمارة الداخلية ١

Residential Spaces

Interior Architecture Studio-1 is a Human-Centered Design course that focuses on tackling simple multi-faceted design problems with low level complexity, adopting design thinking approach. A studio apartment, villa, or beach house, penthouse for example, is a multi-space/multi-function residential space. Describe and analyse a "real-life" user and collect data from them using a variety of research tools and methods. Practice a broad breadth of design thinking using analytical Design Process. Compile and develop design solutions, concepts, and themes to satisfy users.

Course Code: INTA 2 **Course Title:** History and Theory of Interior Architecture I

تاريخ ونظريات العمارة الداخلية ١

Recognize architecture, interior design, and the arts from the dawn of civilization to the Gothic period. Discuss Mesopotamia and Ancient Egypt, as well as Greek and Roman civilizations, Medieval Europe, and the Gothic period. Analysis the built environment and its evolution across time. Compare the contextual concerns that give each time its architecture, such as social, economic, political, and cultural factors. practice developing historical perspective on understanding the built environment. The course will be taught through a combination of interactive lectures, class discussions and debates, and research projects.

Course Code: INTA 212

Course Title: Building Construction I

تشديد المباني ١

Recognize the formal, current, and novel structural architectural components. Explain the process of building construction and the knowledge on different types of structural system and its subsystems. Create and analyze different types of structural layout and pattern. Identify the design and construction of foundations, floor slabs (RCC and Steel), staircases, openings on slabs for staircase, skylight etc.

Course Code: INTA 213

Course Title: CAD Application

تطبيقات الكمبيوتر في التصميم

Explain and apply digital tools that convert architectural ideas and drawings into a digital format. It is the pencil and paper for an architect that helps him/her visualize their ideas accurately and quickly with complete proficiency. Use CAD software effectively to create computer-generated floor plans, elevations, and details that meet current professional standards. Practice 2D rendering and illustration software to represent complete 2D CAD drawings with appropriate materials and rendering.

Course Code: INTA 214

Course Title: Material Application

استخدامات مواد البناء

Distinguish the concepts that guide the selection of natural, synthetic, and smart materials. Explain materials used in the local and international market for residential, commercial, and various interiors. Analysis material's features, physical and chemical properties, usage, maintenance, and environmental impact.

Create a survey of how interior finishes and materials are applied to interior space elements will be carried out. Teaching methods will be a combination of lectures and student presentations. Students will create a material board for a design project in this course.

Course Code: INTA 215 **Course Title:** Users' Study and Analysis (Human Behavior Factors in Design)

عوامل السلوك البشري في التصميم.

Determine the interaction between humans and their built environment. Explain Human aspects that should be considered while designing an interior space to meet human requirements and respect human quality of life dimensions. Analysis anthropometrics, ergonomics, inclusive and universal design. Understand and employ human perceptions, behaviors and theories. This course teaching methods will include group discussions, research, and field assessments.

Course Code: INTA 220

Course Title: Interior Architecture Studio II

ستوديو العمارة الداخلية ٢

Commercial spaces

Interior Architecture Studio-2 addresses Problem-Solving, Analytical Design and business model generation for Spatial Planning. The project type will target commercial spaces in a multi-function setting of low complexity, i.e., café, restaurants tourist information center, small business, etc. Practice using Service Design tools with respect to business model and users' needs and social aspects which influence the use and design of interior spaces. Develop understanding of design language and furniture, fixtures, equipment, materials, color, and lighting to achieve a creative and functional design for the targeted business and users.

Course Code: INTA 222

Course Title: Building Construction II

تشبيد المباني ٢

Explain to the detailing of non-structural architectural components. Focus on the methods of construction of exterior and interior walls, parapet, non-structural details. Distinguish the methods of installation of insulation to control the passage of sound and heat in between building components. Analyze the different measures need to be taken to handle dampness to a building structure. Explain building codes along with their implications for the non-structural architectural design components.

Course Code: INTA 223

Course Title: Digital Design Visualization

تصور التصميم الرقمي

Employ digital visualization technologies to explain and promote design approaches. Illustrate and render interior design drawings using a variety of digital tools. Practice using different digital mediums to present design idea.

Course Code: INTA 224

Course Title: Environmental Control Systems 1.

أنظمة التحكم البيئي ١

Explain the classification of environmental control systems. Discuss passive climate control: thermal comfort conditions, heat transfer through walls and floors, selection of interior surface finishes in accordance with heat control, orientation of rooms regarding solar radiation and wind control, air quality and natural ventilation. Distinguish HVAC systems and Illumination systems.

Course Code: INTA 310

Course Title: Interior Architecture Studio III

ستوديو العمارة الداخلية ٣

Educational spaces

Interior Architecture Studio III is a continuation of the concept development projects taken in Interior Design Studio II. Distinguish and investigate educational design spaces in relation to learning theories of increasing scale and complexity articulated by the interactions of place. Solve critical elements of the human being when designing such interiors. explore physical, psychological, and social aspects of human beings. Apply design thinking process while solving medium-scale problems.

Course Code: INTA 312

Course Title: Advance Knowledge on Structure.

المعرفة المتقدمة في علم الهياكل.

Demonstrate the principles of structure, structural phenomenal loads, forces, reaction, structural elements, types of supports, stability and analysis and determinacy, normal force, shear force, identifying the bending moment for different structural members. Analyze and design structural elements (made of reinforced concrete and steel) Explain methods of adding building blocks with the existing structure, making exterior and interior intervention in line with the existing difficulties within the design context etc.

Course Code: INTA 313

Course Title: Advanced Modelling and Visualization.

النمذجة المتقدمة والتصور.

Explain and apply 3D digital modelling software to students to present and display design projects professionally. Model interiors, assign materials, plan lighting and position cameras to generate numerous angles, and creating animations to present their concepts and designs are all possible with the software. This will be accomplished through a series of tutorials, projects and activities.

Course Code: INTA 315

Course Title: Production Drawing I

الانتاج الرسمي ١

Communicate executive documents with technical information and finishing specifications for a multi-level building's interior. Explain and practice production drawings, specification tables, and details to scale, using new technology

and contemporary materials for the site engineer. Generate drawings of finishes, structural elements, detailed plans, detailed sections and internal facades.

Course Code: INTA 324

Course Title: Production Drawing II

الإنتاج الرسمي ٢

Define interior design elements by planning, labeling, and specifying them in relation to the interior space. Practice drawing detail and technical system drawings. Produce plans, sections, specification tables, and complete technical drawings for unit details. Draw reflected ceiling plans, water, electrical, HVAC, security, fire detection, and blow out systems.

Course Code: INTA 396

Course Title: Training for Interior Architecture

التدريب المهني للعمارة الداخلية

Provide industry-focused training in interior architecture, delivered directly within professional organizations. To explore core principles of spatial design, material selection, and user-centered solutions, emphasizing practical application in real-world settings.

Course Code: INTA 412.

Course Title: Material and Quantity Surveying

المواد والكميات

Calculate and select materials. Explain the criteria for selection and calculation of finishes (durability, fire resistance, humidity resistance, heat storage, easy cleaning and maintenance, sound absorption and noise control, light reflection, prevention of air pollutants and mites). Wall finishes (brick and stone veneer, precast concrete, gypsum boards, ceramics, GRC, metals, wood, glass, plaster, paint), floor finishes (stone, ceramics, plastic tiling, wood parquet, terrazzo, carpeting), ceiling (plasters, paint, wood, suspended ceiling materials).

ELECTIVES

Course Code: INTA 227

Course Title: Textiles and Printing

المنسوجات والطباعة

Recognize how to design a space through fabrics, textures, and prints. Analyze and compose textile and printing as a versatile design tool. Value textile design to transmit human feeling through the sense of touch. Employ and incorporate textile and printing into interior architecture projects. Review how textile and printing stimulate five senses.

University Requirements Courses Descriptions

Course Code: ARAB 110

Course Title: Arabic Language Skills

This course focuses on basic Arabic skills including form, function, and meaning. It also helps the student to appreciate and understand structures and approach them from a critical point of view, through various genres in literature.

Course Code: HIST 122

Course Title: Modern History of Bahrain and Citizenship

Spatial identity of Bahrain: Brief history of Bahrain until the 18th century; the historical roots of the formation of the national identity of Bahrain since the 18th century; the modern state and evolution of constitutional life in Bahrain; the Arabic and Islamic dimensions of the identity of Bahrain; the core values of Bahrain's society and citizenship rights (legal, political, civil and economic); duties; responsibilities and community participation; economic change and development in Bahrain; Bahrain's Gulf, Arab and international relations.

Course Code: HRLC 107

Course Title: Human Rights Principles

This course deals with the principles of human rights in terms of the definition of human rights, scope, sources with a focus on the International Bill of Human Rights; The Charter of the United Nations; Universal Declaration of Human Rights; The International Covenant on Economics, Social and Culture rights; Convention against Torture and other Cruel, Inhuman or Degrading Treatment or Punishment; Mechanics and the Constitutional Protection of Rights and Public Freedoms in Kingdom of Bahrain.

Course Code: ISLM 101

Course Title: Islamic Culture

An introduction to the general outline and principles of Islamic culture, its general characteristics, its relationships with other cultures, general principles of Islam in beliefs, worship, legislation and ethics.

College Requirement Courses Descriptions

Course Code: ENGL 101

Course Title: Communication Skills

This course focuses on reading skills and strategies and language development. The reading section concentrates on high-interest contemporary topics and encourages students to increase speed and efficiency. The writing component, integrated to the reading materials, reviews grammatical structures, develops language accuracy and introduces paragraph writing. Students are required to upgrade their grammar, reading, and listening skills on the internet.

Course Code: PHYCS 107

Course Title: Physics for Building Design

Fundamentals of heat transfer through building envelope: Air to air heat transmittance (U), internal and external surface conductance (h), thermal conductivities of building materials (k). Relationships between interior finishing materials and (U) values. Nature of light, light transmission, reflection, and absorption. Basic properties of light (photometric quantities): Light intensity (I), luminous flux (Ix), illumination level (E), luminance (L). Photometric laws: Abney's law, inverse square law, cosine law. Nature of sound: Audible sounds. Sound quantities: Sound intensity level (I) and sound pressure level (p). Sound reflection and absorption in enclosed spaces. Reverberant sound and reverberation time (RT). Sound transmissions through partitions and building envelope. Sound reduction index.

Course Code: MATHS 106

Course Title: Mathematics and Trigonometry

Introduction to geometry, trigonometry, and the applications of these for the design of shapes and surfaces. Vectors in two and three dimensions. Fractal geometry. History and applications of mathematics in design and architecture.