

# Academic Program and Course Description Guide

Ministry of Higher Education and Scientific Research  
Scientific Supervision and Evaluation Apparatus  
Quality Assurance and Academic Accreditation Directorate  
Accreditation Department  
Year: 2026

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## Introduction

The educational program is considered a coordinated and organized package of study courses that include procedures and experiences organized in the form of study subjects. The primary purpose is to build and refine the skills of graduates, making them qualified to meet the requirements of the labor market. It is reviewed and evaluated annually through internal or external auditing procedures and programs, such as the external examiner program.

The academic program description provides a concise summary of the main features of the program and its courses, showing the skills that are being developed for students based on the objectives of the academic program. The importance of this description is evident as it represents the cornerstone for obtaining program accreditation. It is co-written by the teaching staff under the supervision of scientific committees in the academic departments.

This guide, in its second edition, includes a description of the academic program after updating the items and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq. This included the description of the academic program in its traditional form (annual, semester system), as well as adopting the academic program description generalized under the letter of the Department of Studies TM3/2906 on 3/5/2023 regarding programs that primarily adopt the Bologna Process as the basis for their work.

In this field, we cannot but emphasize the importance of writing descriptions of academic programs and study courses to ensure the proper functioning of the educational process.

## Concepts and Terms

- **Academic Program Description:** Provides a brief summary of its vision, mission, and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.
- **Course Description:** Provides a brief summary of the most important characteristics of

the course and the learning outcomes expected of the student to achieve, demonstrating whether they have made the maximum use of the available learning opportunities. It is derived from the program description.

- **Program Vision:** An ambitious vision for the future of the academic program to be advanced, inspiring, motivating, realistic, and applicable.
- **Program Mission:** Briefly explains the goals and activities necessary to achieve them, and determines the development paths and directions of the program.
- **Program Objectives:** Statements describing what the academic program intends to achieve within a specified period, which are measurable and observable.
- **Curriculum Structure:** All study courses / subjects included in the academic program according to the approved learning system (semester, annual, Bologna Process), whether it is a requirement (Ministry, University, College, or Department) along with the number of credit units.
- **Learning Outcomes:** A compatible set of knowledge, skills, and values acquired by the student after successfully completing the academic program. Learning outcomes must be specified for each course in a way that achieves the program goals.
- **Education and Learning Strategies:** The strategies used by the faculty member to develop student learning and teaching, which are plans followed to reach learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

## Academic Program Description Form

| Field                                 | Details                           |
|---------------------------------------|-----------------------------------|
| University Name                       | Al-Salam University College       |
| Scientific Department                 | Anesthesia Techniques Department  |
| Academic or Professional Program Name | Bachelor in Anesthesia Techniques |
| Final Degree Name                     | Bachelor of Anesthesia Techniques |
| Educational System                    | Semester System                   |
| Description Preparation Date          | 20/6/2026                         |
| File Filling Date                     | 20/6/2026                         |
| Head of Department Name               | M.D. Mohamed Hadi Kazem           |

|                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Program Mission</b>                                                                                                                        |
| refining students' minds scientifically and cognitively, emphasizing social and cultural values, and responding to local market requirements. |

|                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Program Program Objectives</b>                                                                                                                                                              |
| It aims to prepare medical cadres who possess experience in the field of anesthesia and intensive care, and who are distinguished by skills that qualify them to work in intensive care units. |

|                                  |      |
|----------------------------------|------|
| <b>Program Accreditation</b>     | None |
| <b>Other External Influences</b> | None |

## Program Structure

| Program Structure               | Number of Courses | Credit Units | Percentage | Notes * |
|---------------------------------|-------------------|--------------|------------|---------|
| <b>Institution Requirements</b> | 56                | 180          | -          |         |
| <b>College Requirements</b>     | Yes               | -            | -          |         |
| <b>Department Requirements</b>  | Yes               | -            | -          |         |
| <b>Summer Training</b>          | Available         | -            | -          |         |

\* Notes can include whether the course is core or elective.

## Program Description (Curriculum Plan)

| Year / Level                        | Course Code | Course Name       | Credit Hours |           |
|-------------------------------------|-------------|-------------------|--------------|-----------|
|                                     |             |                   | Theoretical  | Practical |
| <b>First Stage - First Semester</b> | -           | Medical Physics 1 | 2            | 4         |

| Year / Level                             | Course Code | Course Name                | Credit Hours |           |
|------------------------------------------|-------------|----------------------------|--------------|-----------|
|                                          |             |                            | Theoretical  | Practical |
|                                          | -           | Anatomy 1                  | 2            | 4         |
|                                          | -           | General Physiology 1       | 2            | 4         |
|                                          | -           | General Chemistry          | 2            | 4         |
|                                          | -           | Biology                    | 2            | 4         |
|                                          | -           | Computer Principles        | 1            | 2         |
|                                          | -           | Human Rights and Democracy | 2            | -         |
|                                          | -           | Medical Terminology 1      | 1            | -         |
|                                          | -           | Arabic Language 1          | 1            | -         |
| <b>First Stage -<br/>Second Semester</b> | -           | Medical Physics 2          | 2            | 4         |
|                                          | -           | Anatomy 2                  | 2            | 4         |
|                                          | -           | General Physiology 2       | 2            | 4         |
|                                          | -           | Biochemistry               | 2            | 4         |
|                                          | -           | Microbiology               | 2            | 4         |
|                                          | -           | Medical Terminology 2      | 1            | -         |
|                                          | -           | Arabic Language 2          | 1            | -         |
| <b>Second Stage -</b>                    | -           | Principles of              | 2            | 4         |

| Year / Level                          | Course Code | Course Name                          | Credit Hours |           |
|---------------------------------------|-------------|--------------------------------------|--------------|-----------|
|                                       |             |                                      | Theoretical  | Practical |
| <b>First Semester</b>                 |             | Anesthesia 1                         |              |           |
|                                       | -           | Principles of Anesthesia Equipment 1 | 2            | 4         |
|                                       | -           | Applied Physiology 1                 | 2            | 4         |
|                                       | -           | Principles of Surgery 1              | 1            | 4         |
|                                       | -           | Principles of Internal Medicine 1    | 2            | 4         |
|                                       | -           | Pharmacology 1                       | 2            | 2         |
|                                       | -           | Medical Terminology                  | 2            | -         |
|                                       | -           | Computer Applications                | 1            | 2         |
|                                       | -           | Crimes of the Ba'ath Regime in Iraq  | 2            | -         |
|                                       | -           | Arabic Language 1                    | 1            | -         |
| <b>Second Stage - Second Semester</b> | -           | Principles of Anesthesia 2           | 2            | 4         |
|                                       | -           | Principles of Anesthesia Equipment 2 | 2            | 4         |
|                                       | -           | Applied Physiology 2                 | 2            | 4         |

| Year / Level                         | Course Code | Course Name                       | Credit Hours |           |
|--------------------------------------|-------------|-----------------------------------|--------------|-----------|
|                                      |             |                                   | Theoretical  | Practical |
|                                      | -           | Principles of Surgery 2           | 1            | 4         |
|                                      | -           | Principles of Internal Medicine 2 | 2            | 4         |
|                                      | -           | Pharmacology 2                    | 2            | 2         |
|                                      | -           | Statistics                        | 1            | 2         |
|                                      | -           | Arabic Language 2                 | 1            | -         |
| <b>Third Stage - First Semester</b>  | -           | Anesthesia 1                      | 2            | 5         |
|                                      | -           | Principles of Intensive Care 1    | 2            | 4         |
|                                      | -           | Anesthesia Equipment Techniques 1 | 2            | 4         |
|                                      | -           | Internal Medicine 1               | 2            | 4         |
|                                      | -           | Surgery 1                         | 1            | 3         |
| <b>Third Stage - Second Semester</b> | -           | Anesthesia 2                      | 2            | 5         |
|                                      | -           | Principles of Intensive Care 2    | 2            | 4         |
|                                      | -           | Anesthesia Equipment Techniques 2 | 2            | 4         |
|                                      | -           | Internal Medicine 2               | 2            | 4         |
|                                      | -           | Surgery 2                         | 1            | 3         |

| Year / Level                              | Course Code | Course Name                                | Credit Hours |           |
|-------------------------------------------|-------------|--------------------------------------------|--------------|-----------|
|                                           |             |                                            | Theoretical  | Practical |
| <b>Fourth Stage -<br/>First Semester</b>  | -           | Advanced Anesthesia 1                      | 2            | 5         |
|                                           | -           | Advanced Anesthesia Equipment Techniques 1 | 2            | 4         |
|                                           | -           | Principles of Intensive Care 1             | 2            | 4         |
|                                           | -           | Advanced Internal Medicine 1               | 2            | 3         |
|                                           | -           | Pain Medicine                              | 2            | 3         |
|                                           | -           | Professional Ethics                        | 2            | -         |
| <b>Fourth Stage -<br/>Second Semester</b> | -           | Advanced Anesthesia 2                      | 2            | 5         |
|                                           | -           | Advanced Anesthesia Equipment Techniques 2 | 2            | 4         |
|                                           | -           | Principles of Intensive Care 2             | 2            | 4         |
|                                           | -           | Advanced Internal Medicine 2               | 2            | 3         |
|                                           | -           | Emergency Medicine                         | 2            | 3         |
|                                           | -           | Graduation                                 | -            | 6         |

| Year / Level | Course Code | Course Name | Credit Hours |           |
|--------------|-------------|-------------|--------------|-----------|
|              |             |             | Theoretical  | Practical |
|              |             | Project     |              |           |

## Expected Learning Outcomes of the Program

| Category         | Learning Outcomes                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Knowledge</b> | <ol style="list-style-type: none"> <li>1. Learning the basic concepts related to anesthesia and intensive care.</li> <li>2. Learning everything related to technical matters of anesthesia devices and tools.</li> <li>3. Providing the required scientific knowledge to keep pace with scientific and technical development in anesthesia.</li> <li>4. Providing the labor market with expertise and applications in this field.</li> </ol>                    |
| <b>Skills</b>    | <ol style="list-style-type: none"> <li>1. Learning how to find immediate solutions to problems facing the patient inside the intensive care unit.</li> <li>2. How to deal with the patient psychologically by instilling reassurance and hope.</li> <li>3. How to maintain the patient's health at all costs while adhering to human and legal principles.</li> <li>4. High speed and precision skills in dealing with anesthesia devices and tools.</li> </ol> |
| <b>Values</b>    | Developing students' abilities to share ideas.                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Teaching and Learning Strategies & Assessment Methods

| Teaching and Learning Strategies                                                                                                                                                  | Assessment Methods                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- Explanation and illustration</li> <li>- Practical laboratory training</li> <li>- Field visits</li> <li>- Self-learning method</li> </ul> | <ul style="list-style-type: none"> <li>- Daily examinations (Quizzes)</li> <li>- Oral questions and answers during the lecture</li> </ul> |

## Faculty and Professional Development

### Professional Development Plan

**Orientation for New Faculty Members:** Guidance to participate in workshops specific to the Anesthesia Techniques Department and contribute to scientific research.

**Professional Development for Faculty Members:** Conducting specialized courses and workshops within the field of expertise.

## Admission Criteria & Information Sources

|                                 |                                                                                                                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Admission Criteria</b>       | Central admission according to the instructions and regulations of the Ministry of Higher Education and Scientific Research.                                                                          |
| <b>Main Information Sources</b> | Methodological scientific textbooks in the field of specialization, specialized auxiliary reference books, the internet information network, and relevant scientific research in scientific journals. |
| <b>Program Development Plan</b> | Using new concepts in the field of anesthesia and using electronic devices to display information and problems.                                                                                       |

## Curriculum Skills Map (Detailed Learning Outcomes Matrix)

This matrix aligns each course across all academic levels with the targeted program learning outcomes (Knowledge: A1-A4, Skills: B1-B4, Values: C1-C4, and Competencies/Other Knowledge: D1-D4).

| Year / Level                | Course Name          | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|-----------------------------|----------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| <b>Stage 1 - Semester 1</b> | Medical Physics 1    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                             | Anatomy 1            | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                             | General Physiology 1 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                             | General Chemistry    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |

| Year / Level           | Course Name              | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|------------------------|--------------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                        | Biology                  | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Computer Principles      | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Human Rights & Democracy | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Medical Terminology 1    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Arabic Language 1        | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| <b>Stage 1 - Sem 2</b> | Medical Physics 2        | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Anatomy 2                | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | General Physiology 2     | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Biochemistry             | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Microbiology             | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Medical                  | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |

| Year / Level           | Course Name                          | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|------------------------|--------------------------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                        | Terminology 2                        |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                        | Arabic Language 2                    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| <b>Stage 2 - Sem 1</b> | Principles of Anesthesia 1           | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Anesthesia Equipment 1 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Applied Physiology 1                 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Surgery 1              | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Internal Medicine 1    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Pharmacology                         | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        |                                      |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

| Year / Level           | Course Name                          | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|------------------------|--------------------------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                        | y 1                                  |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                        | Medical Terminology                  | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Crimes of the Ba'ath Regime          | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Computer Applications                | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Arabic Language 1                    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| <b>Stage 2 - Sem 2</b> | Principles of Anesthesia 2           | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Anesthesia Equipment 2 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Applied Physiology 2                 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Anesthesia 2           | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |

| Year / Level           | Course Name                       | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|------------------------|-----------------------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                        | Principles of Surgery 2           |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                        | Principles of Internal Medicine 2 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Pharmacology 2                    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Statistics                        | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Arabic Language 2                 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| <b>Stage 3 - Sem 1</b> | Anesthesia 1                      | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Intensive Care 1    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Anesthesia Equipment Techniques 1 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Internal                          | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |

| Year / Level           | Course Name                       | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|------------------------|-----------------------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                        | Medicine 1                        |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                        | Surgery 1                         | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| <b>Stage 3 - Sem 2</b> | Anesthesia 2                      | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Intensive Care 2    | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Anesthesia Equipment Techniques 2 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Internal Medicine 2               | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Surgery 2                         | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Advanced Anesthesia 1             | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| <b>Stage 4 - Sem 1</b> | Advanced Anesthesia Equipment     | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        |                                   |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

| Year / Level           | Course Name                                 | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|------------------------|---------------------------------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|                        | Techniques 1                                |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                        | Principles of Intensive Care 1              | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Advanced Internal Medicine                  | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Pain Medicine                               | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Professional Ethics                         | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
| <b>Stage 4 - Sem 2</b> | Advanced Anaesthesia 2                      | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Advanced Anaesthesia Equipment Techniques 2 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|                        | Principles of Inten                         | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |

| Year / Level | Course Name                  | Type | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B4 | C1 | C2 | C3 | C4 | D1 | D2 | D3 | D4 |
|--------------|------------------------------|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
|              | sive Care 2                  |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|              | Advanced Internal Medicine 2 | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|              | Emergency Medicine           | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |
|              | Graduation Project           | Core | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  | ✓  |

## Program Review and Approval Signatures

|                                                                                                                                                                                                                                        |                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prepared and Checked by:</b><br><b>Scientific Committee (Scientific Department)</b><br>Name: _____<br>Signature: <u>Prof. Dr. Sabih Karam Al-Kinani</u><br><u>Dean Assistant For Scientific Affairs</u><br>Date: ____ / ____ / 2026 | <b>Approved by:</b><br><b>Head of the Scientific Department</b><br>Name: M.D. Mohamed Hadi Kazem<br>Signature: _____<br>Date: <u>22</u> / <u>9</u> / 2025 |
| <b>Quality Assurance and University Performance Division</b><br>Name (Director): <u>اديب منصور قاسم</u><br>Signature: _____<br>Date: <u>22/09/2025</u>                                                                                 | <b>The Dean (College/Institution Approval)</b><br>Name: _____<br>Signature: _____<br>Date: ____ / ____ / 2026                                             |

## Program Strategic Framework

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Program Vision</b><br>The Department of Anesthesia Techniques seeks to prepare graduates in the field of anesthesia techniques to work in government and private hospitals, and to utilize this specialization in practical and applied fields.                                                            |
| <b>Program Mission</b><br>Working on preparing and graduating leading scientific and leadership competencies in the field of anesthesia techniques, developing the knowledge base in scientific research within anesthesia to serve the local, regional, and international community, as well as training and |