Ministry of Higher Education and Scientific Research
Scientific Supervision and Evaluation Agency
Quality Assurance and Academic Accreditation Department

Academic Programme Description
Hillah University
Faculty of Health and Medical Techniques
Department of Anaesthesia Techniques

2026

University Name: Hillah University

Faculty/Institute: Faculty of Health and Medical Techniques

Scientific Department: Department of Anaesthesia Techniques

Academic or Professional Program Name: Bachelor of Anaesthesia Techniques

Final Degree Name: Bachelor in Anaesthesia Techniques

Academic System: Semester-based

Description Preparation Date: 2/3/2026

File Completion Date: 2/3/2026

Signature

Scientific Assistant Name

Date

Signature

Scientific Assistant Name

Date

File audited by the Quality Assurance and University Performance Division

Head of Quality Assurance Division Name:

Date:

Signature:

Approval of the Dean:

1. Vision

The department aspires to be a leader in the field of technical education at the level of Iraq, both locally and internationally, in academic and technical fields.

- **Graduates will be distinguished theoretically and practically by providing the best knowledge programs in the field of anaesthesia.**
- **Focusing on the applied aspect and teaching skills to highlight its outcomes in the field of anaesthesia.**
- **Adopting creative and innovative ideas, projects, and plans to improve education in anaesthesia techniques.**
- Degree awarded to the graduate: **Technical Bachelor of Anaesthesia. Graduates will be granted the title: Medical/Anaesthesia Technician.**

2. Program Mission

Granting the graduate the title of Medical/Anaesthesia Technician to work in the field of anaesthesia, clinical monitoring, operating anaesthesia machines, and following up on patients in operating rooms, intensive care units, and recovery.

3. Program Objectives

- **Graduating scientific cadres in the specialty.**
- **The student will be able to contribute to resuscitation and intervention as needed.**
- **Teaching students the skills required to handle various cases in anaesthesia and intensive care.**
- **Teaching students how to prepare drugs and solutions necessary for anaesthesia.**
- **Enabling students to acquire knowledge and understanding of anaesthesia equipment and maintenance methods.**
- **Training students to anaesthetize patients under the supervision of an anaesthesiologist.**
- **Linking academic study with scientific experience.**

4. Program Accreditation

Ministry of Higher Education and Scientific Research / Accreditation Councils of the Faculties of Health and .Medical Techniques

5. External Influences

.Labor market - Field visits to government departments - Application

6. Program Structure

Program Structure	Number of Courses	Credit Hours	Percentage	*Notes
Institution Requirements	20	60	%37	Basic
Faculty Requirements	9	17	%16	Basic
Department Requirements	25	277	%46	Basic
Summer Training	Second & Third	-	-	
Other	-	-	-	

Faculty Member Name	Academic Title	Specialization (General)	Specialization (Specific)	Requirements/Special Skills	Faculty Count: Staff	Faculty Count: Lecturer
Dr. Ali Kadhim Jawad	Dr	General Medicine	Higher Diploma Family Medicine		√	☐
Msc Montadhar Ahmed Khodair	Msc	General Physics	-		√	☐
Msc Hussein Sayer Obaid	Msc	General Chemistry	-		√	☐
Msc Ali Hilal Abdul-Amir	Msc	Veterinarian	Physiology		√	☐
Msc Rana Fallah Hassan	Msc	English Teaching Methods	-		√	☐
Noor Hassan Kadhim Alwan	-	Medical Equipment Tech Engineering	-		√	☐
Msc Ghaith Ahmed Abdullah	Msc	General Physics	-		☐	√
Msc Ridhab Nahedh Abdul-Abbas	Msc	Arts / Arabic Dept	-		☐	√
Dr. Hawra Karim Judi	Dr.	Veterinarian	Microbiology		☐	√
Dr. Maher Hussein Hassan	Dr.	Anaesthesiologist	Iraqi Board of Anaesthesia		☐	√
Dr. Karrar Abdul-Moneim Hadi	Dr.	Anaesthesiologist	Board of Anaesthesia		☐	√
Dr. Haneen Hamid Dawood	Dr.	Anaesthesiologist	Board of Anaesthesia		☐	√
Dr. Rabee Zaki Naji	Dr.	Emergency Medicine	Arab Board Emergency Medicine		☐	√
Dr. Zainab Abdul-Karim	Dr.	General Medicine & Surgery	Board of Anaesthesia		☐	√
Dr. Haider Mohi Hamza	Dr.	-	Specific		☐	√

Dr. Arkan Khalil Ali	Dr.	General Medicine & Surgery	General Surgery		☐	√
Dr. Adnan Mansour Jassim	.Prof	Veterinarian	Pharmacology Toxicology &		☐	√
Alaa Hussein Hajool	Msc	MSc Anaesthesia Tech	MSc Anaesthesia Tech		☐	√
Anmar Hassan Hadi	Msc	MSc Anaesthesia Tech	MSc Anaesthesia Tech		☐	√
Zainab Saaran Dalsh	-	B.Sc. Anaesthesia Tech	-		☐	√
Muslim Ghali Youssef	-	B.Sc. Anaesthesia Tech	-		☐	√
Hussein Haider Mahmoud	-	B.Sc. Anaesthesia Tech	-		☐	√
Dr. Hussein Zaher Redha	Dr.	General Medicine & Surgery	General Surgery		☐	√
Msc Hassan Mohammed Shatub	Msc	MSc Information Tech	-		☐	√
Dr. Wisal Abdul-Mahdi Kadhim	Dr.	Anaesthesiologist	Board of Anaesthesia		☐	√
Dr. Anmar Mahmoud Abdul-Abbas	Dr.	Anaesthesiologist	Board of Anaesthesia		☐	√

Study Plan for the Department of Anesthesia Techniques							
Units	Credit Hours				Course Name	Course or Course Code	Grades
	Teaching method	practical	Teaching method	theoretical			
4	App	4	Lectures	2	(1) Medical Physics	HAST41101	First Stage First semester
4	App	4	Lectures	2	(1) Anatomy	HAST41102	
4	App	4	Lectures	2	General physiology (1)	HAST41103	
4	App	4	Lectures	2	General chemistry	HAST41104	
4	App	4	Lectures	2	Biology	HAST41105	
2	App	2	Lectures	1	Computer principles 1	HAST41106	
2		-	Promoting human values	2	Human Rights & Democracy	HAST41107	
2		-	Lectures	2	Medical terminology 1	HAST41108	
4	App	4	Lectures	2	(2) Medical Physics	HAST41201	First Stage Second semester
4	App	4	Lectures	2	(2) Anatomy	HAST41202	
4	App	4	Lectures	2	General physiology (2)	HAST41203	
4	App	4	Lectures	2	Biochemistry	HAST41209	
4	App	4	Lectures	2	microbiology	HAST41210	
2		-	Lectures	2	Arabic language	HAST41211	
4	App	4	Lectures	2	Basics of anesthesia (1)	HAST42112	Second Stage first semester
4	App	4	Lectures	2	Basics of anesthetic (1) equipment	HAST42113	
4	App	4	Lectures	2	Applied Physiology (1)	HAST42114	
3	App	4	Lectures	1	Basics of Surgery (1)	HAST42115	
4	App	4	Lectures	2	Basics of Medicine (1)	HAST42116	
3	App	2	Lectures	2	Pharmacology (1)	HAST42117	
2		-	Lectures	2	Medical (2)terminology	HAST42108	
2	App	4	Lectures	2	1 Computer	HAST42119	
2		-	Promoting human values	2	Crimes of the Baath regime in Iraq	HAST42118	
	Choose an item.		Choose an item.				
4	App	4	Lectures	2	Basics of anesthesia (2)	HAST42212	Second Stage second semester
4	App	4	Lectures	2	Basics of anesthetic (2) equipment	HAST42213	
4	App	4	Lectures	2	Applied Physiology (2)	HAST42214	

3	App	4	Lectures	1	Basics of Surgery (2)	HAST42215	
4	App	4	Lectures	2	Basics of Medicine (2)	HAST42216	
3	App	2	Lectures	2	Pharmacology (2)	HAST42217	
2		2	Lectures	1	Statistics	HAST42219	
	Choose an item.		Choose an item.				
	Choose an item.		Choose an item.				
	Choose an item.		Choose an item.				
4	App	5	Lectures	2	(1)Anesthesia	HAST43120	Third Stage First semester
4	App	4	Lectures	2	Basics of Intensive Care (1)	HAST43121	
4	App	4	Lectures	2	Anaesthetic Equipment (1) Technology	HAST43122	
4	App	4	Lectures	2	(1) Medicine	HAST43123	
2	App	3	Lectures	1	(1) Surgery	HAST43124	
2	App	2	Lectures	1	Computer Applications 1	HAST43125	
	Choose an item.		Choose an item.				
	Choose an item.		Choose an item.				
4	App	5	Lectures	2	(2)Anesthesia	HAST43220	Third Stage second semester
4	App	4	Lectures	2	Basics of Intensive Care (2)	HAST43221	
4	App	4	Lectures	2	Anaesthetic Equipment (2) Technology	HAST43222	
4	App	4	Lectures	2	(2) Medicine	HAST43223	
2	App	3	Lectures	1	(2) Surgery	HAST43224	
	Choose an item.		Choose an item.				
	Choose an item.		Choose an item.				
4	App	5	Lectures	2	Advance (1) Anesthesia	HAST44126	Fourth Stage First semester
4	App	4	Lectures	2	Advanced anaesthetic Equipment (1) Technology	HAST44127	
4	App	4	Lectures	2	Intensive Care (1) Technology	HAST44128	

3	App	3	Lectures	2	Advance (1) Medicine	HAST44129	
3	App	3	Lectures	2	Pain medicine	HAST44130	
2		-	Lectures	2	Professional ethics	HAST44131	
4	App	5	Lectures	2	Advance (2) Anesthesia	HAST44126	Fourth Stage second semester
4	App	4	Lectures	2	Advanced anaesthetic Equipment (2) Technology	HAST44127	
4	App	4	Lectures	2	Intensive Care (2) Technology	HAST44128	
3	App	3	Lectures	2	Advance (2) Medicine	HAST44129	
3	App	3	Lectures	2	Emergency Medicine	HAST44132	
4		6	Lectures	-	Project	HAST44133	

1. Expected learning outcomes of the program

Knowledge

understanding and knowledge assessing of Methods	Outcomes Learning
1- - Weekly reports of practical experiments 2- - Periodic tests of theoretical subjects 3- - Theoretical and practical semester exams 4- - Theoretical and practical final exams	A- Knowledge and Understanding- : 1- -Teaching the student topics related to the field of Anesthesia Techniques 2- -Preparing and performing the various methods used in Anesthesia Techniques 3- -Obtaining knowledge from the analysis and interpretation of the results and their consistency with the diagnosis of the case

Skills	
Methods for assessing thinking skills	Learning Outcomes
1. .Use logic to evaluate the answer. 2.Identify errors to evaluate the answer. 3. .Evaluate the effectiveness of the methods used to solve the problem. 4. .Support opinions with evidence.	1. .The program qualifies students to work in the field of anesthesia and clinical monitoring, operate anesthesia equipment, and follow up with patients in operating rooms, intensive care units, and recovery rooms. 2. .The program aims to produce outstanding graduates, both theoretically and practically, by offering the best educational programs in the field of anesthesia. .3.The program emphasizes the practical aspects of education to produce highly qualified professionals in the field of anesthesia. 4. .The program fosters creative and innovative ideas, projects, and plans to enhance the teaching of anesthesia techniques.
Statement of Learning Outcomes Methods of Assessing Practical Skills: Practical skills are assessed through individual differences between students and through methods specific to each practical subject, and that the student masters the theoretical scientific material.	**A. Professional and Practical Skills:** **•Graduates receive a Bachelor of Science in Anesthesia Technology and are awarded the title of Medical Technician/Anesthesia Technician.** **•This qualifies students to work as medical technicians in the field of diagnostic anesthesia techniques within anesthesia technology departments at hospitals and health centers.**
Values	
Statement of Learning Outcomes	**Learning Outcomes**
1. Student participation in community events outside the college campus. **2 .Visiting community institutions and learning about the lives of those within them.**	**.1The student should master the fundamentals of civil society.** **.2The student should be an active member of society.** **.3The student should understand how to formulate research projects, choose appropriate titles, and demonstrate originality and**

	innovation. **.4The student should be familiar with the ethics of research writing and academic integrity, and be able to pass plagiarism checks.**

2. **Teaching and Learning Strategies**
•Lectures **•Dialogue and discussion** **•Cooperative learning (group work)** **•Brainstorming** **•Reciprocal teaching** **•Posting lectures on the college or department website for all instructors and all course materials** **•Using projectors and audio equipment** **•Writing research papers and reports in English** **•Speaking English in class and during class participation** **•Conducting research and experiments to achieve the Sustainable Development Goals**

3. Evaluation methods
•Direct question-and-answer format during lectures •Daily expected and surprise quizzes •Evaluation of research papers and assessment of their writing in terms of style, expression, and spelling •Questions posed to measure listening and attention in English •Student participation in evaluating the performance of their peers •Practical assessment exams focusing on listening, speaking, and reading •Monthly and term exams •Final written exams

Professional Development

Mentoring new faculty members

- •Diversifying classroom management and lecture delivery methods.
- •New faculty members are expected to receive visits from the department head and senior faculty members during lectures.
- •Conducting personal interviews to assess faculty competence and teaching skills.
- •Publishing research in international journals with impact factors, writing books, and participating in workshops and conferences.

Professional development of faculty members

•The academic program is reviewed periodically to identify and address any shortcomings.

•Annual evaluation of each module by the department chair or course coordinator.

•Periodic faculty reviews of the academic program.

•Establishment of an external advisory board for the department, comprising student representatives and course participants.

•Periodic evaluation of faculty members by the department chair.

•Student evaluation of faculty members via online surveys.

•Faculty members' self-evaluation.

•Student evaluation of a course year via online surveys.

•Coordination with the college and university quality assurance unit to monitor the implementation of the academic program within the department.

7. Personal Development Planning

1. .Recognize the social determinants of health to reduce disparities and inequalities in access to quality care.

2. .Self-awareness: Examine and reflect upon personal knowledge, skills, abilities, beliefs, biases, motivations, and emotions that may enhance or limit personal and professional growth.

3. .Professionalism: Demonstrate behaviors and values consistent with the trust placed in the profession by patients, other healthcare providers, and the community.

4. .Learner: Develop, integrate, and apply knowledge from foundational sciences (e.g., dentistry, social/behavioral/administrative, and clinical sciences) to:

5. .Evaluate scientific literature, explain pharmacological action, solve therapeutic problems, and advance population-based, patient-centered healthcare.

6. .Design prevention, intervention, and educational strategies for individuals and communities to manage chronic diseases and improve health.

.7.Educate all audiences by identifying the most effective and sustainable methods for informatio dissemination and assessing understanding.

8. Acceptance Criteria

1. .The overall average for central admission, which must be within the established limits and in accordance with the directives of the Ministry of Higher Education and Scientific Research.

2. .Personal interviews with applicants to document any speech, behavioral, or personality defects.

4. The most important sources of information about the program
The College's Quality Division, through the University's Quality Division, adheres to quality requirements and aims to raise the scientific, cognitive, skill-based, and research standards, in accordance with the data of the Ministry of Higher Education and Scientific Research, which seeks, along with global quality requirements, to raise the efficiency of academic programs in line with international standards.

5. Program Development Plan
•Encouraging students to use medical textbooks. •Developing conversation, translation, and reading skills through the use of websites and other modern resources. •Encouraging students to familiarize themselves with key medical texts.

Curriculum Skills Chart															
Required learning outcomes of the programme															
Value				Affective				Objectives				Essential or optional	Course name	Course Code	Year/Level
C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
□	□	√	√	√	√	√	√	□	√	√	√		Medical Physics(1)	HAST41101	First Stage
□	√	√	√	√	√	√	□	√	√	√	√		Anatomy(1)	HAST41102	
□	□	√	√	√	√	√	√	□	√	√	√		General physiology (1)	HAST41103	
√	□	√	√	√	√	√	□	□	√	√	□		General chemistry	HAST41104	
□	□	√	√	√	√	√	□	√	√	√	√		Biology	HAST41105	
√	□	√	√	√	√	√	√	√	√	√	√		Computer principles 1	HAST41106	
√	√	√	√	√	√	√	□	√	√	√	√		Human Rights & Democracy	HAST41107	
□	□	√	√	√	√	√	√	□	√	√	□		Medical terminology 1	HAST41108	
□	√	√	√	√	√	√	□	□	√	√	√		Medical Physics(2)	HAST41201	
√	□	√	√	√	√	√	□	√	√	√	√		Anatomy(2)	HAST41202	
□	√	√	√	√	√	√	□	□	√	√	√		General physiology (2)	HAST41203	
√	□	√	√	√	√	√	□	□	√	√	□		Biochemistry	HAST41209	
□	□	√	√	√	√	√	√	√	√	√	√		microbiology	HAST41210	
√	□	√	√	√	√	√	□	□	√	√	√		Arabic language	HAST41211	
□	√	√	√	√	√	√	□	√	√	√	√		Basics of anesthesia (1)	HAST42112	Second Stage
√	□	√	√	√	√	√	√	□	√	√	□		Basics of anesthetic equipment(1)	HAST42113	
□	√	√	√	√	√	√	√	□	√	√	√		Applied Physiology (1)	HAST42114	
√	□	√	√	√	√	√	□	□	√	√	√		Basics of Surgery (1)	HAST42115	
□	√	√	√	√	√	√	□	□	√	√	√		Basics of Medicine(1)	HAST42116	
□	√	√	√	√	√	√	□	√	√	√	□		Pharmacology(1)	HAST42117	
□	□	√	√	√	√	√	√	□	√	√	√		Medical terminology(2)	HAST42108	
□	√	√	√	√	√	√	□	√	√	√	√		Computer1	HAST42119	
□	√	√	√	√	√	√	√	√	√	√	√		Crimes of the Baath	HAST42118	

Curriculum Skills Chart															
Required learning outcomes of the programme															
Value				Affective				Objectives				Essential or optional	Course name	Course Code	Year/Level
C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
													regime in Iraq		
□	□	√	√	√	√	√	√	√	√	√	√		Basics of anesthesia (2)	2122HAST4	
□	□	√	√	√	√	√	□	√	√	√	□		Basics of anesthetic equipment(2)	2132HAST4	
√	□	√	√	√	√	√	□	□	√	√	√		Applied Physiology (2)	2142HAST4	
√	□	√	√	√	√	√	□	√	√	√	√		Basics of Surgery (2)	2152HAST4	
□	√	√	√	√	√	√	√	√	√	√	√		Basics of Medicine(2)	2162HAST4	
√	□	√	√	√	√	√	√	√	√	√	√		Pharmacology(2)	2172HAST4	
√	√	√	√	√	√	√	√	□	√	√	√		Statistics	1922HAST4	
□	□	√	√	√	√	√	√	√	√	√	√		Anesthesia(1)	0312HAST4	Third Stage
□	□	√	√	√	√	√	√	□	√	√	□		Basics of Intensive Care(1)	1312HAST4	
√	□	√	√	√	√	√	□	√	√	√	√		Anaesthetic Equipment Technology(1)	2312HAST4	
□	√	√	√	√	√	√	√	□	√	√	□		Medicine(1)	3312HAST4	
√	□	√	√	√	√	√	□	√	√	√	√		Surgery(1)	2431HAST4	
□	√	√	√	√	√	√	√	√	√	√	√		Computer Applications 1	HAST43125	
√	□	√	√	√	√	√	√	√	√	√	√		Anesthesia(2)	0223HAST4	
√	□	√	√	√	√	√	□	√	√	√	√		Basics of Intensive Care(2)	1223HAST4	
□	√	√	√	√	√	√	√	□	√	√	√		Anaesthetic Equipment Technology(2)	2223HAST4	
□	√	√	√	√	√	√	□	√	√	√	√		Medicine(2)	3223HAST4	
√	□	√	√	√	√	√	√	□	√	√	√		Surgery) 2(	2243HAST4	
□	□	√	√	√	√	√	□	√	√	√	√		Advance Anesthesia(1)	6412HAST4	Fourth Stage

Curriculum Skills Chart															
Required learning outcomes of the programme															
Value				Affective				Objectives				Essential or optional	Course name	Course Code	Year/Level
C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
√	□	√	√	√	√	√	√	√	√	√	√		Advanced anaesthetic Equipment Technology(1)	7412HAST4	
□	√	√	√	√	√	√	□	√	√	√	□		Intensive Care Technology(1)	8412HAST4	
□	□	√	√	√	√	√	√	□	√	√	√		Advance Medicine(1)	2941HAST4	
□	□	√	√	√	√	√	□	√	√	√	√		Pain medicine	0413HAST4	
√	□	√	√	√	√	√	√	□	√	√	√		Professional ethics	1413HAST4	
√	□	√	√	√	√	√	√	□	√	√	√		Advance Anesthesia(2)	6412HAST4	
□	√	√	√	√	√	√	√	□	√	√	√		Advanced anaesthetic Equipment Technology(2)	7412HAST4	
□	√	√	√	√	√	√	□	√	√	√	√		Intensive Care Technology(2)	8412HAST4	
√	□	√	√	√	√	√	□	√	√	√	√		Advance Medicine(2)	2941HAST4	
□	√	√	√	√	√	√	√	□	√	√	√		Emergency Medicine	2413HAST4	
√	□	√	√	√	√	√	□	√	√	√	√		Project	3413HAST4	