



Oasis of Knowledge

# **Dire Dawa University**

**College of Medicine and Health Science**

**DEPARTMENT OF ANESTHESIA**

**Anesthesia Program**

**Student Admission Handbook**

**September 2023**



# **Anesthesia Student Admission Handbook**

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## Anesthesia Student Admission Handbook

### Welcome to the Anesthesia Department at Dire Dawa University's College of Medicine and Health Science (CMHS)

#### ★ Join the Future of Healthcare with Anesthesia Studies! ★

Are you passionate about making a significant impact on modern medicine? Do you want to be at the forefront of ensuring patient comfort, safety, and pain relief during, & after medical procedures? **Consider a rewarding career in Anesthesia!**

#### ***Why Choose Anesthesia Studies?***

✚ **Crucial Role:** Anesthesia is the backbone of modern medicine, enabling patients to undergo procedures with minimal discomfort while prioritizing their safety.

**Anesthesia** is a medical procedure or practice that involves the use of different drugs to induce controlled and reversible unconsciousness or amnesia, hypnosis, loss of sensation, analgesia and muscle relaxation during surgical or medical, & diagnostic procedures.

**Anesthesiology/Anesthetist** are medical professionals who specialize in anesthesia to manage the perioperative patient's medical, diagnostic, and surgical procedures.

#### 🔑 **Types of Anesthesia You'll Master:**

1️⃣ **General Anesthesia:** Induce deep unconsciousness, ensuring patients are free and unaware during procedures, and used mostly for major surgeries. This type of anesthesia involves the administration of d/t drugs that cause the patient to become completely unconscious, with no awareness or memory of the procedure.

2️⃣ **Regional Anesthesia:** This type of master anesthesia techniques like Spinal, Epidural, & Caudal Anesthesia. With this type of anesthesia management's patients remain conscious but are free from pain and discomfort.

3️⃣ **Local Anesthesia:** This type of anesthesia involves the injection of drugs directly into the area specific procedures, such as a dental or minor surgical procedures... Patients remain conscious but feel no pain in the targeted area.

4. 🚑 **Advanced Monitoring Techniques:** Learn the art of anesthesia, in managing patient well-being throughout surgeries and medical procedures.

#### **Your Journey to Becoming an Anesthesia Professional:**

📖 **Comprehensive Education:** Receive in-depth theoretical knowledge, and hands-on training in anesthesia techniques.

👨‍🏫 **Learn from experienced anesthetists** who are passionate about teaching and patient care.

🏥 **Clinical Experience:** Gain real-world experience in hospitals, in the community, and campus facilities, ensuring you're well-prepared for your career.

🚀 **Career Opportunities:** Step into a high-demand field with ample job opportunities and potential for specialization.



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**Background:** Our department has a long history of academic excellence, providing students with top-notch education and opportunities for growth. We are committed to maintaining fair and transparent admission practices.

**University Context:** Situated within a prestigious university(DDU), our department is dedicated to upholding the institution's values of integrity, equity, and quality education

**Student Admission are based on the DDU, and ETA for health science selection criteria**

**Clear and Fair Student Selection:** Our student selection process is transparent and equitable

- **Orientation:** We inform new students about our programs during orientation.
- **Student Handbook:** We provide a handbook outlining our selection criteria for students.
- **Student Voting:** Students choose their preferred department, followed by exams.
- **Exam Selection:** Each department creates its own exam questions, and scores determine admissions.
- **Admission:** Top-scoring students, based on department quotas, gain admission.

**Appeal Mechanism:** If you have concerns about the process, you can appeal:

- First, consult the Department Council (DC).
- If needed, contact the college's dedicated appeals office in person or in writing.
- For further assistance, visit the university registrar's office
- The academic vice president office
- The student union in the university with concerned body
- External help is an option too.

**Contact Information:** For further inquiries, please contact the Department of Anesthesia at Dire Dawa University (DDU), Ethiopia, Email: [amelmasin.faris@ddu.edu.et](mailto:amelmasin.faris@ddu.edu.et)  
[https://www.ddu.edu.et/Colleges/mdcn\\_view/6](https://www.ddu.edu.et/Colleges/mdcn_view/6),



# **Anesthesia Student Admission Handbook**

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## **1. Introduction**

Welcome to the Anesthesia Department at Dire Dawa University's College of Medicine and Health Science (CMHS) in Ethiopia. This handbook is designed to provide you with essential information about our Bachelor of Science (B.Sc.) program in Anesthesia. In a rapidly evolving educational landscape, where frequent changes and advancements in anesthesia/education are prevalent, we are committed and ready to preparing graduates who are well-equipped, task-oriented, and ready to meet the requirements of the field.

## **2. Recent Educational Changes**

The Ethiopian Ministry of Education has introduced an exit exam for all undergraduate programs, starting from the academic year 2022/2023. This initiative aims to enhance the quality of graduates and align educational outcomes with the national roadmap from 2018 to 2030. Additionally, the Federal Ministry of Health has developed a nationally harmonized competency-based curriculum for generic anesthesia programs within the Bachelor of Science (B.Sc.) framework. This curriculum encompasses general education, biomedical sciences, social/population health, and clinical/anesthesia modules.

## **3. About the Department**

### **3.1. History**

The Department of Anesthesia, part of the College of Medicine and Health Sciences (CMHS) at Dire Dawa University (DDU), commenced its teaching operations in 2006 E.C. It welcomed its first cohort of 31 students in the regular program in 2006. To date, 126 competent anesthesia professionals have graduated.

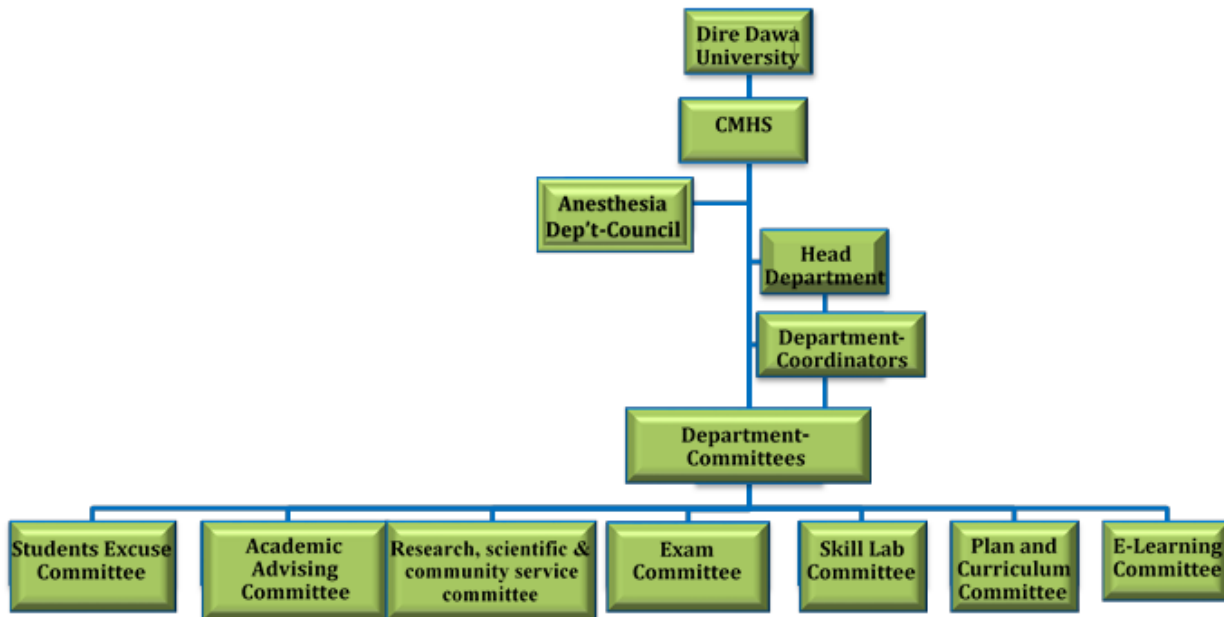
### **3.2. Quality Assurance**

Quality is paramount in our department's activities, encompassing teaching and learning, research, and community service that align the department with its program vision, mission, and objectives.



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### 3.3. Department Organogram



For a detailed understanding of the department's structure and hierarchy, please refer to Figure 1: Organogram, 2023.

## 4. The Program

### 4.1. University Vision

Dire Dawa University aspires to become a premier choice in Ethiopia and rank among the top ten Applied Science Universities in Africa by 2030.

### 4.2. Program Vision

In alignment with the university's vision, the vision of the anesthesia program is to enhance community healthcare and meet the anesthesia service needs of the country. We aim to achieve this by producing qualified anesthetists capable of managing new techniques for all general and specialty surgeries, adhering to international standards.

### 4.3. Program Mission

Our department's ultimate goal is to produce highly competent anesthesia professionals. These professionals should possess the knowledge, clinical skills, attitudes, and critical thinking abilities necessary to deliver comprehensive anesthesia services within their professional scope. Additionally, our program is committed to serving the community through problem-solving research, clinical services and health promotion services.

### 4.4. Core Values



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Our program is guided by a set of core values, including:

- Pursuit of truth and freedom of expression.
- Institutional reputability based on successful accomplishment of the mission.
- Competitiveness in scholarship and cooperation with other institutions.
- Institutional autonomy with accountability.
- Participatory governance and the rule of law.
- Justice and fairness.
- A culture of fighting corruption.
- Quality and speedy service delivery.
- Economical use of resources and effective maintenance of assets.
- Recognition of merit and diversity.
- Democracy and multiculturalism.

(Source: Senate Legislation of DDU, page 10)

### **4.5. Curriculum Objectives**

The Anesthesia Department at DDU implements a nationally harmonized competency-based curriculum for generic anesthesia programs (Bachelor of Science (B.Sc.)) in Ethiopia. The objectives of the curriculum, as of 2022, include:

#### **General Objective**

To produce competent anesthesia professionals capable of providing the full scope of anesthesia services, as defined by the professional scope of practice. These professionals should possess good knowledge, clinical skills, attitudes, and critical thinking abilities.

#### **Specific Objectives**

The curriculum is designed to:

- Equip anesthesia professionals with solid knowledge of biomedical science, clinical, and public health practice.
- Prepare anesthesia students to assess and optimize patients with comorbidities for surgery and anesthesia.
- Train anesthesia students to provide individualized anesthesia clinical care using an individualized anesthesia management plan.
- Equip anesthesia students to manage patients with multiple coexisting diseases using existing scientific knowledge.
- Enable anesthesia students to practice professionally on all levels of anesthesia clinical care settings.



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- Train anesthesia students in developing professional communication skills in dealing with patients, patient families, and other health professionals.
- Prepare anesthesia students to participate in conducting and utilizing relevant research findings.
- Train anesthesia students to apply evidence-based anesthesia clinical care practice.
- Equip anesthesia students with practical skills based on a theoretical foundation.
- Develop leadership and management skills in anesthesia students.
- Foster critical thinking and decision-making skills that lead to reflective and responsible practice in anesthesia.
- Provide knowledge and skills in emergency and critical care to handle critically ill patients.
- Prepare anesthesia students for post-graduate studies.

By adhering to these objectives, our program strives to produce anesthesia professionals who are ready to contribute effectively to the healthcare industry.

### **5. Admission Policies and Procedures**

In our commitment to providing transparency and equal opportunity, the Anesthesia Department at Dire Dawa University has established comprehensive policies and procedures for student admissions. These policies ensure fairness and the inclusion of all qualified applicants. Below are the key aspects of our admission policies and procedures: Student admission practices for the program are clear, explicit and fair, and in accordance with the HEI's, and DDU policies and regulations.

The program ensures the clarity and fairness of student selection and admission criteria by several mechanisms:

1. Students are given exclusive orientation about the programs during the induction.
2. Different manuals and information will be provided to students through different ways: admission handbook, DDU([https://www.ddu.edu.et/Colleges/mdcn\\_view/6](https://www.ddu.edu.et/Colleges/mdcn_view/6)), and departments websites, Telegram page, and curriculum will be given to the students.

#### The student voting process:

1. choice of the students by himself
2. Take the entrance exam prepared by department & score set points

Then exam will be prepared by Anesthesia departments and will be compiled.

The students who get the highest number of grades depending on the quota of the department, will be admitted to the department.





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### The size of student intake capacity

- A. The department council (DC) has the right to determine acceptable No of students.
- B. The student intake is also expressed in the programs annual plan, which guides the departments activity for the year.
- C. available resources are determinant for deciding the capacity of intake these are
  1. numbers of staff required
  2. The presence of Institution teaching hospital and clinical site case flow
  3. The availability of university resources like class rooms, offices, library, skill lab and accommodation.
  4. The number of students also reviewed by collage quality and monitoring office

### Transfer of students in between departments

1. presents an application stating convincing reason(s) for requesting the transfer and a letter in support of the desired transfer from a sponsor where applicable; and
2. satisfies the academic requirements for admission into the program to which transfer is sought and the approval of the concerned DGCs and ACs has been obtained; and
3. The students are not dismissed from any program whom they are attending
4. The students have not completed more than one fourth of the originally joined program (50% of the course/module)

### **5.1. DDU Student Service:**

1. **Dining Services:** Dire Dawa University Director for Student Services currently features over five dining halls eager to serve you. In Ethiopian standard, our meals are all-you-care-to-eat. Our concern is to make every dining experience a delicious and nutritious one. We take great care to plan menus that offer variety every day of the week. To see where all our dining locations are around in the campus.
2. **Dormitory Services:** The quality of your living-learning environment plays an important part in your University competence. Our dormitories are a place where you live in a community that values friendship and academic success. In planning and operating our dormitories, we want to meet your needs in every way possible. We believe that life in the dormitory offers by far more than a roof over your head! This is because there are internet labs and lounges around your dormitory which works 16 hours a day. However, an understanding of and respect for the rights of others is of utmost importance in making dormitory life successful. Hence, your cooperation and participation are helpful for the success of your dormitory life. Above all, the staff is here to help you with challenges associated with university life.
3. **Health Services:** Being in good health is one of the basic prerequisites for good academic performance. Thus, we strive to provide the best care possible through our professionals in a manner that is welcoming and respectful of everyone. The Student Clinic offers many services, including:



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- Health Promotion/Disease Prevention
  - Routine health care provision
  - Adolescent and youth reproductive Health Service
  - STI management
  - RH counseling Service
  - VCTFP (Voluntary Counseling and Testing for Family Planning)
  - Emergency Contraceptive
  - Oral Contraceptive
  - Injectable Contraceptive
  - Condom Distribution Moreover, for referral cases, we have an agreement with Dire-Dawa Dil-chora referral Hospital, Sabiyan General Hospital at the cost of the University. We hope that your stay at Dire-Dawa University will be healthy and enjoyable, but just in case you have any health-related queries, do not hesitate to visit the student clinic.
4. **Financial and Cost-sharing Services:** When you decide to study at the university, you will be making an investment in your future. The Student Finance and cost-sharing office is here to help you to access all the information you will need regarding dining and dormitory services.
5. **Disability Support:** If you have a particular learning difficulty that may negatively impact your learning experience at Dire-Dawa University, it is quite helpful if you consult us so that we can provide support in all our areas of services. Some rooms have been reserved specifically for students with special needs. If you have special needs due to a disability, you should indicate them clearly in your application form and report in person so that we can allocate the most appropriate room available.

**DDU MAP:** Dire Dawa University is found in the industrial and commercial city of Dire Dawa, which is located at 515 km east of Addis Ababa. It is a young higher education institution, established and started its teaching and learning activities.

### 5.3. Admissions Standards

We adhere to rigorous admissions standards to ensure that our students are well-prepared for the demands of the anesthesia program.

### 5.4. Priority System

A priority system is in place to address specific admissions criteria and requirements.

### 5.5. Diversity



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We aim to foster diversity within our student body, to ensure representation from various backgrounds.

### **5.6. Admissions Requirements for Anesthesia Students**

Eligible and applicants must meet specific requirements outlined in our admissions criteria.

### **5.7. Student Admission Process**

The admission process is designed to be fair and transparent. It includes:

- Application submission and evaluation.
- Selection based on criteria.
- Notification of admission status.
- Registration and enrollment.

### **6. Fields of Work and Expected Profile of Graduates**

Upon completing our program, graduates can expect to excel in various fields within the anesthesia profession. They will possess a wide range of skills and competencies, including:

- Comprehensive pre-anesthesia patient assessment.
- Patient preparation and optimization for surgery and anesthesia.
- Effective use of anesthesia equipment and monitoring devices.
- Application of standard safety measures for perioperative hazards.
- Management of patient airways using different modalities.
- Anesthesia management for various surgical procedures.
- Postoperative care and pain management.
- Critical care and life support.
- Professionalism in anesthesia practice.
- Research and evidence-based practice.
- Quality improvement and assurance.

### **7. Conditions for Admission to the Program**

Our admission requirements ensure that eligible students are well-prepared for the demands of the Anesthesia program. To be considered for admission, you must meet the following criteria:

#### **A. University Admission Requirements for New Students:**

- Completion of grade 12 with a focus on natural science subjects.



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- Approval from the Ministry of Education (MoE) in the form of a grade 12 national certificate.
- Selection of the anesthesia profession.
- Medical fitness, both mentally and physically.
- Fulfillment of any additional conditions determined by the University Council and announced during the application process.
- No prior dismissal from another university for disciplinary reasons.
- Ethiopian citizenship or eligibility for scholarships.

### **B. Conditions for Admission to the Program:**

Admission to the Anesthesia program follows criteria set by the Ministry of Education. Special provisions may be made for student choice, female students, and scholarships. The placement criteria are based on:

- Cumulative performance in the first semester of freshman courses.
  - Competitive program choice using grades as a measure.
  - Specific entrance requirements and any disclosed physical disabilities preventing students from pursuing studies in their respective disciplines.
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## **8. Study System in the Program**

### **8.1. Duration of Study**

The Anesthesia program follows a year-based study system divided by the semester system, that the duration of the study for the B.Sc. in Anesthesia program has been adjusted to four and a half years (4.5 years) in the Competency based Anesthesia curriculum 2022.

### **8.2. Attendance**

- Mandatory 100% attendance in all teaching-learning activities, including skill labs and clinical practice.
- Students are not allowed to miss more than 20% of lecturer class hours relative to the total course credit hours.
- Compulsory attendance at both theoretical and practical teaching sessions throughout the course.

### **8.3. Progression and Promotion**



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- Transition to the next academic year occurs after successfully passing courses in each academic semester.
- Promotion assessments are conducted at the end of each academic year.
- A pass mark of at least a C grade is required for various modules.
- Remedial exams are allowed for specific cases.

### **8.4. Completion of the Program or Graduation Requirements**

To graduate, students must meet specific requirements, including:

- Completion of all required courses/modules totaling 328 ECTS.
- Attainment of a minimum grade of 'C' in all courses.
- Cumulative grade point average (CGPA) of  $\geq 2.00$ .
- Procedures for repeating courses and academic progression.

### **9. Registration Rules**

Registration rules for the program include:

- Students can select and register for courses before the beginning of the semester.
- Options to delete courses within specified periods.
- Minimum and maximum credit hours for full-time students.
- Registration guidance from academic advisors.

### **10. Conversion Rules**

Students may transfer to and from the Department of Clinical Anesthesia based on specific criteria and guidelines.

### **11. Academic Warning and Dismissal of the Program**

Academic performance is closely monitored, and students who receive consecutive warnings may face dismissal.

### **12. Periodic and Examination**

Periodic assessments and examinations are an integral part of the program and include Written exam, Morning, OSCEs oral exams..... and etc.

### **13. Contact Information**

For further inquiries or assistance, please contact the Department of Anesthesia at DDU

**Amelmasin Faris**

Email: [amelmasin.faris@ddu.edu.et](mailto:amelmasin.faris@ddu.edu.et)

Dire Dawa University (DDU)

Dire Dawa, Ethiopia



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We wish you a successful and fulfilling academic journey at Dire Dawa University's Anesthesia Program. If you have any questions or need assistance, please do not hesitate to reach out using the provided address above.

### References:

1. Competency-based curriculum for Bachelor Degree of Science in Anesthesia of 2022, Addis Ababa, Ethiopia
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3. Dire Dawa University strategic plan, and Dire Dawa University Website, [www.ddu.edu.et](http://www.ddu.edu.et)
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5. Web-page: [https://www.ddu.edu.et/Colleges/mdcn\\_view/6](https://www.ddu.edu.et/Colleges/mdcn_view/6)  
DDU home page: <https://www.ddu.edu.et/Home>  
CMHS page: <https://www.ddu.edu.et/Colleges/mdcn>  
Registrar and Alumni page: <https://www.ddu.edu.et/Home/registrar>  
Student services page: [https://www.ddu.edu.et/Home/student\\_service](https://www.ddu.edu.et/Home/student_service)  
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