

## MASTER OF SCIENCE IN ANESTHESIA PROGRAM

### ADMISSION CRITERIA

#### I. ACADEMIC REQUIREMENTS

- A. Bachelor's degree from an accredited college or university
- B. Documentation that each of the prerequisites listed below has been completed, with a grade of **B- or higher**, at an accredited American or Canadian institution of higher learning. (Substitutions are NOT permitted and survey courses for non-science majors are NOT acceptable.) For those courses that have been repeated, the highest grade will be recognized.

The prerequisites listed below must be completed **within 5 years** of the application deadline.

**Note:** For the courses marked with an asterisk (\*), this 5-year requirement will be waived **only if** the student's composite score on the Medical College Admission Test is **25 or higher**.

- **Biochemistry** – one semester  
One semester of biochemistry is required. An advanced course in this subject is preferred and would meet the requirement but is not mandatory. Bioengineering courses will not satisfy this requirement.
- **Human Anatomy with Lab** – one semester  
One semester of human anatomy with lab is required. An advanced course in this subject is preferred and would meet the requirement but is not mandatory. Courses in vertebrate embryology and developmental anatomy will not satisfy this requirement.
- **Human Physiology** – one semester  
One semester of human physiology is required. An advanced course in this subject is preferred and would meet the requirement but is not mandatory. Courses in mammalian physiology and embryology will not satisfy this requirement.
- **Calculus\*** – one semester  
Students typically meet this requirement if they have completed one semester of a course in calculus for premedical or life sciences.
- **Statistics\*** – one semester  
Students typically meet this requirement if they have completed one semester of an advanced course in statistics for the life sciences; usually this is an applied statistics course and/or a statistics course with a calculus prerequisite. Introductory or 100 level courses will not satisfy this requirement.
- **English with Expository Writing\*** – one semester  
Students typically meet this requirement if they have completed one semester of an introductory English course with a writing component.
- **Biology with Lab\*** – one year

Students typically meet this requirement if they have completed a one-year biology course sequence with lab that stresses general concepts. Bioengineering courses as well as courses in micro or molecular biology, cellular biology, genetics, and histology will not satisfy this requirement.

- **Chemistry with Lab\*** – one year  
Students typically meet this requirement if they have completed a one-year course sequence in general chemistry with lab.
- **Organic Chemistry with Lab\*** – one year  
Students meet this requirement if they have completed a one-year course sequence in organic chemistry with lab.
- **Physics with Lab\*** – one year  
Students typically meet this requirement if they have completed a one-year course sequence in general physics with lab.

#### C. Medical College Admission Test (MCAT)

- All applicants are **required** to take the MCAT regardless of prior degree attainment.
- The test must have been taken **within 3 years** of the application deadline.
- A minimum composite score of **20** is expected. When the MCAT has been taken more than once, component scores from different exams may not be combined.

Applicants must submit **official transcripts** of all undergraduate and graduate course work for review by the admissions committee. All information must be received by the October 1 deadline.

All academic requirements must be completed satisfactorily before matriculation.

Students wishing to enter the Master of Science in Anesthesia Program should be aware that a prior felony conviction might restrict an individual's ability to obtain professional licensure or employment. Acceptance into Case Western Reserve's program or its completion does not imply or guarantee that a student will be able to obtain such licensure or employment.

## **II. FOREIGN GRADUATE ADMISSION**

**Please note that no exemptions will be made for required prerequisite course work regardless of degrees or certification received outside the United States or Canada, experience, work background, or education.**

Applicants with foreign undergraduate, graduate, or advanced degrees who would like to apply to the Master of Science in Anesthesia program must meet the general admission requirements listed in the Academic Requirements section above. In addition, international students must submit:

- A. An Education Credential Evaluation and Authentication Report for foreign transcripts demonstrating equivalency to a Bachelor's degree received at an American or Canadian college or university.
- B. Test of English as a Foreign Language (TOEFL)
  - Paper test - minimum score of 600; Computer test - minimum score of 213
  - **OR** International English Language Testing System (IELTS) - minimum score of 6.5

### **III. TRANSFER ADMISSION**

As providers of anesthesiologist assistant profession training, the program's primary responsibility is to offer such training to any person who meets the admission requirements. However, program format and enrollment constraints usually do not permit acceptance of transfer applicants.

### **IV. CREDIT CONVERSION POLICY**

Case Western Reserve University uses a semester system; however, the university does accept quarter credit hours. Quarter credit hours are worth 2/3 of 1 semester hour. Quarter credit hours may be rounded to the nearest whole number at the discretion of the admissions committee with consideration given to the course work and grade earned.

### **V. SHADOWING EXPERIENCE**

A clinical shadowing experience is an option offered to prospective students and is highly encouraged prior to application. The student is assigned to one anesthesiologist assistant (AA) for the day in order to observe their work in the operating room setting. Shadowing provides the student an excellent opportunity to learn what an AA does on a daily basis and to gain clinical experience. During the shadowing experience, the AA will review physiology and pharmacology, demonstrate airway management, and perform procedures such as intravenous access.

An appointment is needed for a shadowing experience. For more information or to arrange a visit to Case Western Reserve University, please call 216-844-8077.

### **ADMISSION CREED**

The Master of Science in Anesthesia Program mission is to graduate skilled and compassionate anesthesiologist assistants. The admission policy reflects this goal. Applicants are considered on a variety of parameters that measure academic ability, communication skills, clinical aptitude, and personality traits. It does so without regard to race; religion; age; color; sex; disability; sexual orientation; national or ethnic origin; political affiliation; or status as a disabled veteran, veteran of the Vietnam era or other veteran.