



Virtua Health College
of Medicine & Life Sciences
of Rowan University

**SCHOOL OF
TRANSLATIONAL BIOMEDICAL
ENGINEERING & SCIENCES**

**Biomedical Sciences Program
STUDENT HANDBOOK**

2025-2026

FORWARD

Welcome to the Rowan-Virtua School of Translational Biomedical Engineering & Sciences (TBES; formerly the Rowan-Virtua Graduate School of Biomedical Science). We are located on the Stratford campus of Rowan University. We have all the benefits of a large University but with a small campus feel. The TBES has assembled this Biomedical Sciences Program Student Handbook to assist you in understanding the operations, procedures, and rules of this program. The TBES [General Information Student Handbook](#) contains useful information on the facilities available on the Stratford campus of Rowan University; specific student services available to you; and a summary of University and TBES policies pertinent to graduate students.

The mission of the Rowan-Virtua School of Translational Biomedical Engineering & Sciences (formerly the Graduate School of Biomedical Sciences) is to develop scientists who will contribute new knowledge in the biomedical disciplines through creative research and scholarship. This is accomplished through a curriculum of course work and research training that prepares our students to critically evaluate existing knowledge and to advance the frontiers of new knowledge in the biomedical sciences.

Biomedical Sciences Program: This document contains a summary description of the course work that must be completed to earn a:

1. Master of Biomedical Science degree (M.B.S.; non-thesis)
2. Certificate of Graduate Studies in Biomedical Sciences

University-wide emergency information:

sites.rowan.edu/publicsafety/emergencyservices/officeofemergency/ or call 856-256-4922

The TBES reserves the right to change or modify the procedures and policies contained within this document. Please check the [TBES website](#) on a regular basis for the most current information on programs, services, news and events.

"This handbook is informational only and does not constitute a contract between Rowan University and any student. It may be changed by Rowan University without prior notice to students. Any rules, regulations, policies, procedures or other representations made herein may be interpreted and applied by Rowan University to promote fairness and academic excellence, based on the circumstances of each individual situation.

This handbook represents a program of the current curricula, educational plans, offerings and requirements of the Rowan-Virtua TBES. The School reserves the right to change any provisions, offerings, tuition, fees, or requirements at any time within the student's period of study at Rowan University. In addition, Rowan University may at any time eliminate, modify or change the location of any School, Institute, Center, Program, Department, course or academic activity."

TABLE OF CONTENTS

TBES ADMINISTRATION

Please see the [General Information Student Handbook](#).

BIOMEDICAL SCIENCES PROGRAMS OF STUDY	3
Program Directors	3
Requirements for the Master of Biomedical Science Degree	3
Requirements for the Certificate in the Biomedical Sciences	4
GRADUATION, DIPLOMAS AND COMMENCEMENT	4
STAY CONNECTED	4

BIOMEDICAL SCIENCES PROGRAMS OF STUDY

PROGRAM DIRECTORS

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Goal: Intensive curriculum to prepare for medical school and other health-related professions.

This program is designed as an evening program targeting those students who seek an advanced interdisciplinary Master's degree or Certificate in the Biomedical Sciences.

In the Fall and Spring terms, full-time matriculated students are expected to carry a minimum course load of 9 credits per semester while part-time students must carry a minimum of 5 credits per semester. In the Summer term, full-time matriculated students are expected to carry a minimum course load of 6 credits per semester while part-time students must carry a minimum of 3 credits per semester.

MASTER OF BIOMEDICAL SCIENCES DEGREE PROGRAM

Required courses (24 credits). Students must pass each of these 8 courses, which are all 3 credits each:

- Fall term: Biochemistry & Molecular Biology, Cell Biology, Human Genetics, Microbiology.
- Spring term: Systems Physiology*, Immunology*, Biomedical Anatomy, Principles of Pharmacology.

*Enrollment requires a letter grade of "C" (2.00) or better in both Biochemistry & Molecular Biology and Cell Biology courses.

Electives course (6 credits).

- Fall term: Essential Neuroscience, Mechanism of Disease
- Spring term: Antimicrobial Drugs: Mechanisms of Action and Resistance, Biomedical Data Analysis
- Summer term: Exercise Physiology
- All terms: Independent Study, Laboratory Research A, Laboratory Research B

All MBS program students are required to pass 24 credits of required courses and 6 credits of electives to complete the 30-credit degree program and earn a cumulative 3.00 or higher grade point average (GPA).

The Master's program has a requirement of 30 credits. Students who would benefit from additional coursework may apply for up to 6 additional credits. Tuition for the additional coursework will be charged per credit and the grades will be counted in the cumulative GPA. The tuition charge is applicable to all coursework over the required 30 credits -- regardless of whether the course(s) was taken to improve the student's GPA.

The Biomedical Sciences Curriculum, the current Course Guides and Course Descriptions are located at the bottom of [this webpage](#).

CERTIFICATE IN THE BIOMEDICAL SCIENCES PROGRAM

The Certificate in the Biomedical Sciences Program is designed as a part-time evening program that provides a graduate level didactic program in the biomedical sciences leading to a certificate to prepare the student to enter various career possibilities in these fields or to continue their education for a more advanced degree in the biomedical sciences. Please note that if a student is interested in matriculating into the Master of Biomedical Science program, the required course policies within the Master of Biomedical Science program will apply upon matriculation.

1. Must earn a minimum of 18 credits. At least 12 credits must be from the required courses. The remaining 6 credits can be required or elective courses. See the Master's degree section above for both required and elective courses.
2. Must have a cumulative GPA of 3.0 or higher.
3. No transfer credits accepted.
4. Must submit the [Certificate Completion Processing Form](#).

TBES students in all programs of study are required to maintain Good Academic Standing. Please see your program-specific policy for details: [Academic Standing-Biomedical Sciences program](#).

The Biomedical Sciences Curriculum, the current Course Guides and Course Descriptions are located at the bottom of [this webpage](#).

GRADUATION, DIPLOMAS AND COMMENCEMENT

Graduation Information may be found on the [TBES Registrar page within Student Resources](#). This includes:

1. Graduation Process and Important Deadlines
2. Graduation vs Commencement
3. Commencement Information

All degree students must apply to graduate in Self-Service Banner. Rowan University confers degrees on the 30th day of December (Fall), January (Winter), May (Spring), and August (Summer).

Certificate students must submit the [Certificate Completion Processing Form](#).

The Commencement Ceremony is held in May. Please note that **NO** student will receive their diploma at Commencement. The student will receive their diploma approximately 8-12 weeks after the degree conferral term.

STAY CONNECTED

- Complete the [Alumni Registration Form](#)
- Enroll in LinkedIn, a professional networking site. It's free: <https://www.linkedin.com>