



12a. List chronologically all educational institutions attended since high school, including the institution you currently attend.

Institution	Location	Attended		Degree Sought	Date Expected or Received
		From	To		

12b. GPA: Undergraduate \_\_\_\_\_ Graduate \_\_\_\_\_

12c. Science Courses (please indicate courses you have taken and the last grade you received)

**Science Course**

**Grade**

- Biochemistry
- Biology
- Inorganic Chemistry
- Organic Chemistry
- Other:

13. Have you previously applied for admission or taken courses at this graduate school? no yes If yes, date \_\_\_\_\_

15. List scientific publications, academic awards, prizes, and memberships in honorary or professional societies.

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16. List current occupation and major employment or activities since college graduation.

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17. Military Service from \_\_\_\_\_ to \_\_\_\_\_ Branch \_\_\_\_\_

18. How did you learn of the UMDNJ-Graduate School of Biomedical Sciences? \_\_\_\_\_

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**19. Attach a statement expressing your motivation and aims for graduate study in the proposed major field.**

I have read and understand the attached statement of Essential Functions/Technical Standards, which all students must satisfy, with or without reasonable accommodations, for the course of study for which I am applying. I certify that all documents and information provided by me are true, accurate and complete. Any false or misleading information may result in actions including, but not limited to, discipline or revocation of degree. I understand and agree that any misrepresentation in this application will be sufficient cause for rejection of this application, or dismissal if I have been admitted to the Graduate School of Biomedical Sciences. In compliance with the Student Right to Know and Campus Security Act, UMDNJ's Annual Security Report is available from the Department of Public Safety at 5 Bruce Street, Building 5, P.O. Box 170, Newark, NJ 07101-1709.

\_\_\_\_\_  
(Applicant's signature)

\_\_\_\_\_  
(Date)



## GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

University of Medicine & Dentistry of New Jersey

### ESSENTIAL FUNCTION / TECHNICAL STANDARDS FOR GSBS

Technical Standards refer to non-academic requirements that are essential for meeting the academic requirements of the program. Within any area of specialization, students must demonstrate competence in those intellectual and physical tasks that together represent the fundamentals of biomedical research in their chosen discipline. Enrollment is contingent on the result of certain medical laboratory test (e.g., TB) and fulfillment of immunization requirements. For details see the UMDNJ website: [http://www.umdnj.edu/oppmweb/Policies/HTML/StudentServices/00-01-25-40\\_00.html](http://www.umdnj.edu/oppmweb/Policies/HTML/StudentServices/00-01-25-40_00.html)

The Ph.D. and M.S. degree programs at the UMDNJ-Graduate School of Biomedical Sciences require a laboratory-based research dissertation. Granting of these degrees implies that the recipient has demonstrated a base of knowledge in the field and the ability to independently apply that knowledge to solve a particular problem by forming hypotheses, designing and conducting experiments, interpreting the experimental results, and communicating the results and their interpretation to the scientific community. Thus, a candidate for the Ph.D., M.S., or MBS degree in the biomedical sciences must possess abilities and skills that allow for observation, intellectual and conceptual reasoning, motor coordination, and communication. The use of a trained intermediary is not acceptable in many situations in that a candidate's judgment will be based on someone else's power of selection and observation.

A student whose behavior or performance raises questions concerning his or her ability to fulfill the essential functions may be required to obtain evaluation and/or testing by a health care provider designated by the School, and to provide the results to the Campus Student Health Service for the purpose of determining whether the student is fit to pursue the educational program. If the student is deemed fit to pursue the program, the School reserves the right to require actions recommended by the health care provider, including further testing, counseling, monitoring, leave of absence, etc.

#### **Observation**

The candidate must be able to acquire knowledge by direct observation of demonstrations, experiments, and experiences within the laboratory and instructional setting. Examples are physiological or pharmacological responses in animals, studies of microbiological cultures and organisms, identification of normal and abnormal cells or tissues through a microscope, and interpretation of results obtained on various instrumentation.

#### **Intellectual/Conceptual Abilities**

The candidate must be able to measure, calculate, analyze, reason, integrate and synthesize information to solve problems.

#### **Motor Skills**

The candidate must possess motor skills necessary to perform procedures required for experimentation within the chosen discipline. These skills may include, but are not limited to, surgery in animals, handling of animals, transfer of microorganisms to various mediums, preparing chemical and often toxic materials and solutions, preparation of anatomical specimens for microscopic examination, manipulating electronic and other complex equipment. Such actions require coordination of muscular movements and functional use of the senses of touch and vision.

#### **Communication**

The candidate must be able to communicate and discuss his or her experimental hypotheses and results to the scientific community, both in scientific journals or directly at scientific meetings, seminars, or in the laboratory to the research team.

#### **Behavioral and Social Attributes**

The candidate must possess the emotional and mental health required for full utilization of his or her intellectual abilities, the exercise of good judgment, the prompt completion of responsibilities inherent in managing a scientific laboratory, the ability to function under the stress inherent in biomedical research, and the ability to understand and comply with ethical standards for the conduct of research.



30 Bergen Street  
Administrative Complex One, Suite 110  
Newark, NJ 07107-3000

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## Request for recommendation

This section to be completed by the applicant (PLEASE PRINT OR TYPE)

Last name \_\_\_\_\_ First \_\_\_\_\_ Middle \_\_\_\_\_

Degree program and field of study \_\_\_\_\_

AGREEMENT RESPECTING CONFIDENTIALITY; I waive , I do not waive , my right to access this recommendation under the Family Education rights and Privacy Act of 1974, 20 U.S.C.A. par 1232g (a)(1).

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

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### To the Recommender:

The person above is applying for admission to the UMDNJ-Graduate School of Biomedical Sciences – Newark campus. Please provide your assessment of the applicant's aptitude for graduate study, with specific reference to academic performance, intellectual ability, communicative skills, and motivation. Your letter of recommendation should be on letterhead paper and sent to us at the above address. Please return this form, signed by the applicant, with your letter.

Recommender's Name:

Title:

Address: