

Technical Abilities

Technical Abilities are the essential competencies required of all candidates to matriculate, to progress through the curriculum and to meet the requirements for graduation from the Division of Biological Sciences Graduate Program. The abilities need to be met by all students, with or without reasonable accommodations. The abilities are outlined below and include: physical, cognitive, communication, interpersonal, and professional.

Physical

A candidate must be capable of performing the experimental work required by the graduate program to which he/she has applied or entered. The specific requirement will vary from program to program, and will vary according to the specific research area within a program.

Cognitive

A candidate must have the critical, problem-solving skills required in the proposed field of study. He/she must have an intermediate knowledge level allowing him/her to think independently and to reason, identify patterns, analyze, quantify, integrate, conceptualize and to synthesize data and ideas. He/she will approach problems effectively by recognizing ill-defined and well-defined problems and articulate problems clearly with colleagues and professors.

Communication Abilities

A candidate must be able to communicate effectively with, and to receive communication from, members in his/her research group and fellow scholars in relevant biomedical fields.

Interpersonal Attributes

A candidate must possess the maturity and self-discipline required for full participation in degree requirements and completion of the program of study. Candidates need to be able to develop mature, sensitive and effective relationships with colleagues and have the interpersonal skills to interact positively with people from all levels of society, ethnic backgrounds and beliefs.

Professional

The candidate needs to be able to consistently display respect for self and others, and show diligence, dedication and reliability. He/she needs to function effectively under multiple priorities and take responsibility for themselves and his/her behavior. He/she must abide by the code of ethics outlined by the University and the profession of study.