MS in Biomedical Sciences with Emphasis in Biomedical Sciences

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About the Program

The MS program in Basic Biomedical Sciences provides in-depth training to prepare scientists in interdisciplinary basic research (molecular, cellular, organ and integrative). Departmental faculty members represent diverse Medical-related basic science disciplines that provide a unique opportunity for biomedical research training. Core courses include physiology, cell biology and an introduction to research methodology. The multidisciplinary focus of the program is also emphasized in the candidate’s MS program committee.

Financial Aid from the Program

Some programs require an extra form or statement from those who wish to be considered for internal assistantships, fellowships or other funding packages. Check the program website or ask the program contact for details.

Admission Criteria

- Fall deadline: January 15
- Spring deadline: September 15
- Summer deadline: Not Applicable
- Minimum TOEFL scores:
  - Internet-based test (IBT)
    - Minimum GRE scores:
      - Verbal + Quantitative
        - Prior to August 1, 2011: 100 3.5
        - On or After August 1, 2011: 300 3.5
- Minimum GPA: 3.0
- Required prerequisite courses: Biology (10 hrs), Physics (3 hrs), Biochemistry (3 hrs), Chemistry (10 hrs), Calculus (3 hrs)

NOTE: The GRE requirement may be waived for applicants with an MD or DVM. Prerequisite courses may be completed during the master’s program.

Required Application Materials

To the Graduate School:
- All required Graduate School documents

To the Biomedical Sciences MS Program:
- Program-specific application
- Letter of intent
- GRE scores
- Copy of transcripts
- 3 letters of recommendation

MS Degree Requirements

To attain the master’s degree, 30 hours of graduate credit must be completed; 15 hours or more shall be 8000 level (exclusive of research, problems and independent study courses); and 6 to 9 hours of 8090 Research. A grade of 3.0 or better is required in all core courses and serves as the qualifying examination for the degree. In addition to the departmental core courses, students may take courses specifically planned to meet the needs and strengths of the individual.

Evaluation

The master’s candidate is evaluated semiannually for satisfactory rate of progress as defined by timely completion of course courses and progress on research activities as stipulated by the master’s program committee. The master’s candidate must carry out original research culminating in a written thesis, present the thesis work at a departmental seminar and defend the thesis in an oral examination by the master’s program committee.

Length of Study

The time limit for the master’s degree is five years after initiating the program.