

**SCHOOL OF MEDICINE  
PREMEDICAL GRADUATE CERTIFICATE PROGRAM**

**ADVICE ON FALL ELECTIVES**

1. Strongly recommended for those planning to go to medical or dental school:

**ANAT 611 Histology**- 5 credit hours- it is a subject which is part of the first year medical and dental curriculum. The course content correlates well with Physiology, so that you are often studying the structure and function of the same systems. The microscope lab allows you to meet other certificate students, and interact on a more personal level with the faculty (as compared to a strictly lecture course).

2. For those students who may already have had histology as an undergraduate course, or have a particular interest in oncology (cancer). It is a research-based graduate course. Immunology is also a course in the first year medical curriculum.

**MICR 505 Immunobiology**- 3 credit hours

3. For those with an undergraduate background and particular interest in neurobiology who may, or may not, stay for the Masters Program and do research in the field of neuroscience:

**NEUS 609 Cellular & Molecular Neuroscience**- 4 credit hours- an advanced course in neuroscience

4. For those interested in research who may be considering staying for the Masters Program should consider taking this one-hour seminar course that will acquaint you with contemporary areas of biomedical research.

**IBMS 690 Interdisciplinary Biomedical Sciences Seminar**- 1 credit hour (Pass/Fail)

The student attends 10 basic science or clinical seminars of his/her own choosing over the semester, and submits a brief summary of the content of each seminar to the CERT Program Administrator. List of seminar topics in the basic science departments will be made available.

You should plan to take 15 or 16 credit hours in the Fall semester to reasonably earn the total 27 credit hours required for the whole program.