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## LaGrange College

### Course Catalog - Pre-Health Programs

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#### Pre-Dentistry - Pre-Dentistry

**Type:**Major

Students should consult frequently with Dr. Pomeroy-Black in addition to their primary advisors for their majors. The pre-dental student should select a major as early as possible and work toward the B.S. degree.

The pre-dental student should be familiar with the specific requirements set by the dental schools to which he or she plans to apply, especially as it applies to upper-level Biology courses. There is some variation in the requirements of the various schools, but the minimum requirements set by most schools of dentistry are:

- a minimum GPA of 2.8, with a “C” or better in all courses. The average GPA is 3.5-3.6.
- a minimum score of 17 on the Dental Admissions Test (DAT) no later than September 30 preceding the year of entry.
- the following courses:

|                                |                    |
|--------------------------------|--------------------|
| English                        | 6 semester hours   |
| Principles of Biology with Lab | 8 semester hours   |
| Physics with Lab               | 4-8 semester hours |
| General Chemistry with Lab     | 8 semester hours   |
| Organic Chemistry with Lab     | 8 semester hours   |
| Biochemistry                   | 4 semester hours   |

- a substantial (100-300) amount of shadowing hours
-

## Pre-Medicine - Pre-Medicine

### Type:Major

Students should consult early and frequently with Dr. Cauthen in addition to their primary advisors for their majors. The pre-medicine student should select a major as soon as possible and seek the B.S. degree. Medical schools rarely accept candidates with less than the baccalaureate degree.

The student should be familiar with the requirements of the several medical schools to which he or she plans to apply. Requirements vary somewhat in the various medical schools, but the minimum requirements of most medical schools are:

|                                |                  |
|--------------------------------|------------------|
| Principles of Biology with Lab | 8 semester hours |
| General Chemistry with Lab     | 8 semester hours |
| Organic Chemistry with Lab     | 8 semester hours |
| Physics                        | 8 semester hours |

Every applicant must take the Medical College Admission Test (MCAT). The MCAT also includes topics in psychological science, sociology, and biochemistry; thus, PSYC 1101, SOCI 1101, and at least one semester of biochemistry (CHEM 4421/L) are also recommended courses. It is preferable that applicants take the MCAT in the spring or early summer preceding the submission of his or her application to medical school, but no later than the early fall of that year. Students should take General Chemistry (CHEM 1101-1102) as a first- or second-year student to be on track for the MCAT exam. BIOL 1107-1108 with labs is also suggested for first- or second-year students. Either General Chemistry or Principles of Biology should be taken in the first year in order to stay on track for timely graduation and application to medical school. Medical schools also expect experience in the field of medicine. Students should keep records of dates, duration, and types of experience when participating in shadowing or volunteer or paid work in a hospital, doctor's office, or other medical facility. Consult your advisor and the Career Center for help setting up a shadowing experience.

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## Pre-Pharmacy - Pre-Pharmacy

### Type:Major

There are several pre-requisites for a pharmacy school, some of which are not within a science major. Therefore, it is especially important that the pre-pharmacy student should select a major as soon as possible and seek the B.S. degree. Students should consult early and frequently with Dr. Pomeroy-Black in addition to their primary advisors for their majors. While the admission requirements will vary between schools, the minimum requirements set by most schools of pharmacy are:

- A minimum GPA of 3.0, with a "C" or better in all courses.  
The average GPA is 3.4-3.5.
- A minimum PCAT percentile score of 50%.
- Work experience as a pharmacy technician.
- Ethos courses with a global and/or cultural diversity focus, where applicable.

- Completion of the following courses:

|                                |                   |
|--------------------------------|-------------------|
| English                        | 6 semester hours  |
| Principles of Biology with Lab | 8 semester hours  |
| Advanced Biological Science*   | 12 semester hours |
| Physics                        | 4 semester hours  |
| Biochemistry                   | 3 semester hours  |
| General Chemistry with Lab     | 8 semester hours  |
| Organic Chemistry with Lab     | 6 semester hours  |
| Math**                         | 6 semester hours  |
| Economics                      | 3 semester hours  |

\*Including Anatomy and Physiology I and II and Microbiology

\*\*Including MATH 1114 and 2221

Students should take the PCAT (Pharmacy College Admissions Test) as early as practical. Early admission applications are encouraged.

## **Pre-Physical Therapy - Pre-Physical Therapy**

**Type:**Major

Physical therapists hold a Doctor of Physical Therapy (DPT) degree. These programs require a baccalaureate degree as well as completion of the pre-physical therapy prerequisite courses. The pre-requisite courses vary from school to school; you should select your courses after consulting the requirements for your schools of interest and speaking with your advisor. Typical prerequisite courses include chemistry, physics, anatomy and physiology, Principles of Biology, other biology or exercise science courses, statistics, psychological science, and sociology. Dr. Cauthen and Dr. Amber Leiker have a table of requirements for PT schools in Georgia that is available upon request. Most schools look for experience working with or observing a certified physical therapist in various settings. Students should keep records of dates and duration of such experience. Consult your advisor and the Center for Leadership and Career Development for help setting up a shadowing experience.

## **Pre-Physician Assistant - Pre-Physician Assistant**

**Type:**Major

Students should consult early and frequently with Dr. Cauthen in addition to their primary advisors for their majors. The pre-PA student should select a major as soon as possible and seek the B.S. degree. PA programs require completion of a baccalaureate degree.

The student should be familiar with the requirements of the several PA programs to which he or she plans to apply. Dr. Cauthen has a table of requirements for PA schools in Georgia that is available upon request. Requirements vary significantly in the various PA programs, but the common requirements of most PA programs are:

|                              |                  |
|------------------------------|------------------|
| Biology with Lab             | 8 semester hours |
| General Chemistry with Lab   | 8 semester hours |
| Organic Chemistry with Lab   | 4 semester hours |
| Human Anatomy and Physiology | 8 semester hours |
| Microbiology                 | 4 semester hours |

Every applicant must take the Graduate Record Examination (GRE), preferably 4 to 6 months preceding the submission of his or her application to PA programs. Students should take General Chemistry (CHEM 1101-1102) and Principles of Biology (BIOL 1107 and 1108 with lab) as a first- or second-year student. Either General Chemistry or Principles of Biology should be taken in the first-year to stay on track for timely graduation. PA programs also expect extensive direct/hands-on patient care experience (not shadowing). Students should begin acquiring this experience early and keep records of dates, duration and types of experience for their applications. Consult your advisor for suggestions on how to gain this type of experience.

## **Pre-Veterinary Medicine - Pre-Veterinary Medicine**

### **Type:Major**

Students should consult early and frequently with Dr. Pomeroy-Black in addition to their primary advisors for their majors. The pre-veterinary student should select a major as early as possible and work toward the B.S. degree.

The pre-veterinary student should be familiar with the specific requirements of the school to which he or she plans to apply as they vary between schools. The minimum requirements set by most veterinary medicine schools are as follows:

- A minimum GPA of 3.0. All courses should be completed with a grade of C or better. The average GPA is 3.4-3.5.
- Animal/veterinary experience (large and/or small). Required hours range from 250-400 hours.
- Completion of the following courses:

|                                |                     |
|--------------------------------|---------------------|
| English                        | 6 semester hours    |
| Principles of Biology with Lab | 8 semester hours    |
| Advanced Biological Science    | 8-12 semester hours |
| Physics                        | 8 semester hours    |
| Biochemistry                   | 3 semester hours    |
| General Chemistry with Lab     | 8 semester hours    |
| Organic Chemistry with Lab     | 8 semester hours    |

Advanced Biological Science

8-12 semester hours

Students should take the Graduate Record Examination (GRE) no later than the September or December of the year preceding the year of desired entry, depending on the schools to which the student applies. The results should be received by a school by anywhere from October 1 to January 15. It should be noted that some schools also require GRE Subject Tests, such as the Biology and Analytical Writing Subject Tests.

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