Pre Health, Veterinary and Secondary Ed. Requirements (Revised 6/20/2013)

Pre-dentistry (based on the requirements of SUNY-Buffalo where a 3/4 program is available
Advisor: Dr. O'Donnell

1 Year Biology
2 Years of Chemistry, General and Organic
1 Year Physics
1 Year English

Pre-medical (based on the requirements of most medical schools, some variation, in areas of Mathematics and English). A 3/4 program between Geneseo and the New York College of Osteopathic Medicine.
Advisors: Drs. J. Ballard, J. Boiani, G. Briggs, R. O'Donnell and W. Pogozelski

1 Year Biology
2 Years of Chemistry, General and Organic
1 Year English
1 Year Physics
1 Semester Calculus
1 Semester Statistics

2015 MCATs will require the following additions: 1 semester of Intro Biochemistry, 1 semester of Intro Psychology and 1 semester of Intro Sociology

Pre-optometry (based on the requirements of SUNY-Optometry where a 3/4 program is available)
Advisor: Dr. O'Donnell

1 Year Biology
2 Years of Chemistry, General and Organic
1 Semester Statistics
1 Year Social Science
1 Year Physics
1 Semester Calculus
1 Year English
1 Semester Psychology

Pre-podiatry (minimum requirements) Advisor: Dr. O'Donnell

1 Year Biology
2 Years of Chemistry, General and Organic
1 Year Physics
1 Year English

Pre-Chiropractic (based on the requirements for NY Chiropractic College, tends to vary for each school)..
Advisor: Dr. Lewis

1 Year Biology
15 credits of Humanities/Social Science
2 Years of Chemistry, General and Organic
1 Semester of Psychology
6 credits of English/communications
1 Year Physics

Graduate Study (varies for each program and specialty) **Advisor: Dr. Hannam**

Pre-Pharmacy (based on the requirements of SUNY-Buffalo, tends to vary for each school). Advisor: Dr. Militello

1 Year Biology
2 Semesters of Calculus
2 Years of Chemistry, General and Organic
1 Semester of Microbiology
1 Semester General Physics
1 Semester of statistical methods
1 Year of anatomy/physiology
1 semester of Biochemistry (effective 2012)

In addition, 2 semesters of Writing Skills and one course in social behavioral science

Pre-Physician Assistant (minimum requirements, tends to vary for each school; most schools require health care experience, some up to 2000 hours).
Advisor: Dr. O'Donnell

1 Year Biology
1 Year of Chemistry
1 Year English
1 Year Humanities/Social science
1 Semester Psychology
1 Semester Statistics or College Level Math

Microbiology and Human Anatomy/Human Physiology are required by many schools

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Please subscribe to the Prehealth listserver, which will keep you updated on important meetings, seminars and dates regarding professional school applications:

- **To log on to the premed listserver go to the following site:**

http://mail.geneseo.edu/mailman/listinfo/prehealth-l

There also is a website with useful information at the following address:
http://www.geneseo.edu/premed

Pre-Physical Therapy: Advisor: Dr. Lewis
(based on the general requirements for the Entry-Level Doctor of Physical Therapy at SUNY Upstate, tends to vary for each school). The requirements at Upstate include a baccalaureate degree from an accredited college or university including completion of 40 credits of prerequisite course work, first aid and CPR certification, GRE scores and volunteer and work experience in physical therapy of no less than 80 hours.

General Biology I with laboratory (5 hours)
Human Anatomy and Human Physiology with laboratories **(8** hours)
General Physics I and II with laboratories **(8** hours)
General Chemistry I and II with laboratories **(8** hours)
English (composition recommended) (3 hours)
Statistics (3 hours)
Psychology (Child Psychology **or** Developmental Psychology recommended) (3 hours) Social Science (3 hours)
Individual school requirements may vary from those listed above and students should go to the websites of their schools of interest for a complete listing of prerequisites. To see a complete list of accredited schools offering DPT degrees go to www.apta.org.

Geneseo and. Upstate have an established 3+3 program. Please note that SUNY Upstate presently only accepts applications to this program from students in their **senior year of high school.** The advantage of 3+3 is that it allows a student to complete both an undergraduate and a doctoral degree in six years rather than seven years. The 3+3 **DPT** program requires three years at Geneseo and three years of study at Upstate. Students transfer to Upstate after three years of college. The first year at Upstate in the **DPT** program will count for both the fourth year of undergraduate and the first year of graduate study. Upon completion of their first year at. Upstate, students receive a Bachelor's Degree in Biology from Geneseo. Upon successful completion of an additional two years at Upstate in the entry level **DPT** program, students will be awarded a **DPT** degree from SUNY Upstate Medical University. **Advisor: Dr. Lewis**

Pre-Nursing : Advisor: Dr. Lewis
The prerequisites for *most* Bachelors in Nursing (BSN) Programs are:
1 semester Human Anatomy
1semester Human Physiology
1 semester Microbiology
2 semesters General Chemistry with lab.
1 semester Nutrition
INTD 105 or similar 1 semester of English
1 semester of Hum I or similar Literature course
1 Semester of Statistics
Intro. to Psychology
Human Growth and Development or Developmental Psychology covering the lifespan*.
* SUNY Geneseo does not offer a Human Growth and Development or Developmental Psychology course but does offer the equivalent in 3 courses: Psyc 215, Child; Psyc 216 Adolescent; and Psyc 217 Adult Development and Aging. Psyc 100 is a prerequisite for all of these courses.
In addition to these prerequisites you will be required to take the general biology, Biol 117 and 119 and the general biology laboratory, Biol 116. There are other requirements depending on whether you are a biology major or in another major which will be necessary to finish in order to fulfill those majors. Some nursing schools do require additional prerequisites and should be investigated individually. See the following site for a list of accredited programs: http://www.nursingschoolsearch.com/

Pre-Veterinary (based on the requirements for College of Veterinary Medicine at Cornell University, tends to vary for each school, but extensive experience working with animals is essential in the selection process (>1000 hours and the hours must include both large and small animal veterinary settings)).
Advisor: Dr. Susan Bandoni Muench
1 Year Biology 1 Year Physics
2 Years of Chemistry, General and Organic
1 Semester of Microbiology with a lab
Biochemistry, either Biochemistry I and II or Elementary Biochemistry (seek advisor input)
2 Semesters of English composition or 1 semester of composition and 1 semester of oral communication

Biology/Secondary Education Students complete either a **B.A.** or **B.S.** in Biology and the coursework for initial certification in Adolescence Education. Students follow the sequence of courses listed for the biology major. In the spring of their freshmen or sophomore year (if they plan to student teach in their ninth semester) students apply for admission to the School of Education. Admission requires that students have a cumulative G.P.A. of 2.75 and 15 hours of approved service learning. Students planning on student teaching in the ninth semester follow the same course sequence listed in the Adolescence Education advising guide but a year later. Note, once you begin the education courses the sequence should not be interrupted.
Advisors: Dr. Lovett and Dr. Spear