

PRE-PROFESSIONAL PROGRAMS: MEDICINE/PODIATRY/OSTEOPATHY

Most medical schools recommend a 4 year degree before initiating medical training. Students majoring in sciences should try to obtain as broad a background in the social science and humanities as possible.

Possible Majors: Students can major in anything and enter medical school as long as they have the appropriate pre-requisites. Some popular majors include biology, chemistry, clinical laboratory science, exercise physiology, neuroscience, nutrition (pre-health) and health education and promotion (pre-health)

Admission Requirements: students can take the MCAT a total of 3 times; 2005 statistics of medical school applicants are as follows:

Duke = 5,076 applicants/101 accepted

UNC-Chapel Hill = 3,108 applicants/160 accepted, Average MCAT=31, Average GPA=3.65

Wake Forest = 5,983 applicants/280 accepted; Average MCAT=30.3, Average GPA=3.63

ECU-Brody = 861 applicants/72* accepted; (*31 of the 72 were re-applicants) Average MCAT 26.9; Average GPA 3.50

Required Courses:

- BIOL 1100/1101 and BIOL 1200/1201
- CHEM 1150/1151 and CHEM 1160/1161
- CHEM 2750/2753 and CHEM 2760/2763
- PHYS 1250 or 2350, and 1251
- PHYS 1260 or 2360, and 1261
- MATH 1065
- ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*
- *Some recommended electives include: microbiology, physiology, anatomy, immunology, Spanish, ethics, medical terminology, health care administration.*

Additional Information:

Podiatry Requires at least 3 years or 90 semester hours of credit. 95% of students who enter a college of podiatric medicine have a bachelor's degree. There are 9 podiatric colleges in the US. In 2005, there were 696 applicants and 467 matriculants. Average overall GPA=3.2; Average science GPA = 3.0. For more information visit www.aacpm.org

Anesthesiologists Attends medical school and needs same pre-reqs. Visit www.asahq.org for more information.

Anesthesiologist Assistant Requires pre-reqs for medical school and a bachelor's degree. Here are 3 accredited programs in the US. Case Western Reserve (24 months), Emory (27 months), and South University-online (28 months) Programs are at least 24 months long with 600 classroom hours, 2600 clinical education and 600 hours administering anesthetics. For more information visit www.asahq.org

Nurse Anesthetist Requires bachelors in nursing and one year nursing experience. Programs are 24-36 months with 450 classroom hours, 1694 clinical education hours and 790 administering anesthetics.

Professional Schools: ECU, Duke, Eastern Virginia Medical, East Tennessee State, Medical University of SC, UNC-Chapel Hill, University of SC, University of VA, Vanderbilt University, Virginia Commonwealth, and Wake Forest University. For a listing of school websites, visit the Academic Enrichment Center's page at <http://www.ecu.edu/Prehealth/Schools.html>

PRE-PROFESSIONAL PROGRAMS: OCCUPATIONAL THERAPY

Possible Majors: Popular majors include biology, child development and family relations, health services management, psychology, anthropology, sociology, recreation therapy, exercise science, and rehabilitation studies.

Admission Requirements: The Graduate School requires an applicant to have a minimum overall GPA of 3.0 or a senior year GPA of 3.0 on a 4.0 point scale. Admission also requires applicants to receive a competitive score on the required standardized test. At this time, only the verbal and quantitative scores are evaluated. A score of 1000 or better increases the likelihood of admission.

Required Courses:

- BIOL 2140/2141
- BIOL 2150/2151
- BIOS 1500 or MATH 2283 or PSYC 2104
- HIMA 3000
- OCCT 3000
- PHIL 1110 or 1175 or 1180 or 1500 or 2275
- PHIL 1180 or 1500 or 2275
- PSYC 3206
- PSYC 4375
- SOCI 2110 or ANTH 1000 or ANTH 2200
- ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*

Additional Information: For more information, visit ECU's Occupational Therapy webpage at <http://www.ecu.edu/ot/>

Professional Schools: ECU, UNC-Chapel Hill, Virginia Commonwealth, and Winston-Salem State. For a listing of school websites, visit the Academic Enrichment Center's page at <http://www.ecu.edu/Prehealth/Schools.html>

PRE-PROFESSIONAL PROGRAMS: OPTOMETRY

Possible Majors: you only need 90 semester hours and pre-req courses to apply, but most schools prefer a bachelor's degree.

Admission Requirements: At Indiana University in 2003 there were 303 applications; 77 accepted. The average overall GPA was 3.46. Over 80% held bachelor's degrees. Example of matriculants' statistics at the 8 private and 9 public schools of optometry

<u>8 private schools</u>	<u>9 public schools</u>
Average GPA= 3.3	Average GPA 3.45
# apply/accepted: 4724/874	# apply/accepted: 2396/530

Required Courses:

- ENGL 1100 and 1200
- BIOL 1100/1101 and BIOL 1200/1201
- BIOL 3220/3221
- CHEM 1150/1151 and CHEM 1160/1161
- CHEM 2750/2753 and CHEM 2760/2763
- MATH 1065 and MATH 2121 and MATH 2122 and MATH 2228
- PHYS 1250/1251 and PHYS 1260/1261
- PSYC: two courses
- ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*

Additional Information: www.aoa.org

Professional Schools: For a listing of school websites, visit the Academic Enrichment Center's page at <http://www.ecu.edu/Prehealth/Schools.html>

PRE-PROFESSIONAL PROGRAMS: PHARMACY

Possible Majors: Applicants need only complete the pre-req courses which can be done in 2 years and then apply to the 4 year pharmacy program OR they can enter after completing a bachelor's degree.

Admission Requirements: At UNC-Chapel Hill in 2005, approximately 600 applications were received; 137 were accepted.

Required Courses:

- ENGL 1100 and 1200
- ECON 2113 or ACCT 2101
- BIOL 1100/1101 and BIOL 1200/1201
- BIOL 2110/2111
- BIOL 2130/2131
- BIOL 3220/3221
- CHEM 1150/1151 and CHEM 1160/1161
- CHEM 2750/2753 and CHEM 2760/2763
- PHYS 1250/1251 and PHYS 1260/1261
- MATH 1065 and MATH 2121 or 2122 and MATH 2128
- Foreign language through level 1003
- ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*

Additional Information: www.aacp.org

Professional Schools: Campbell, Medical University SC, UNC-Chapel Hill, University of SC, Virginia Commonwealth. For a listing of school websites, visit the Academic Enrichment Center's page at <http://www.ecu.edu/Prehealth/Schools.html>

PRE-PROFESSIONAL PROGRAMS: PHYSICAL THERAPY

Possible Majors:

Health services management, rehabilitation studies, biology, exercise and sport science, exercise physiology, athletic training

Admission Requirements:

Applications to the DPT program will be accepted during the fall semester of each year for enrollment in the program starting the following summer. (ECU no longer offers the MPT). Admission is competitive and limited to 30 students. The program admits 30 students annually and generally has an applicant pool of around 125. Preference is given to NC residents and 20% are usually admitted from Out-of State. At the time of application to the program, students must:

- be eligible for admission to the Graduate School. (Applicants must apply separately to both the DPT program and ECU Graduate School.)
- have satisfactory Graduate Record Examination (GRE) scores (must also take the WRITING portion of the GRE).
- provide evidence of extracurricular involvement.
- provide evidence of exposure to the practice of physical therapy. A minimum of 100 hours is encouraged.
- have two of the three letters of reference (from the ECU Graduate School application) be completed by licensed PTs who supervised the applicant's PT experience.
- present evidence that the required prerequisite course work will be completed and an undergraduate degree from an accredited university or college conferred before the start of the program in the summer.

Required Courses:

- General chemistry (8 semester hours with lab)
- CHEM 1150/1151 and CHEM 1160/1161
- PHYS 1250/1251 and PHYS 1260/1261
- Biology, 12 semester hours to include BIOL 1100/1101 and BIOL 1200/1201 plus 1 semester of Human or Mammalian Physiology with lab **OR** BIOL 1100/1101 plus BIOL 2140/2141 and BIOL 2150/ 2151
- MATH 1065 or higher
- Statistics course (BIOS 1500 or MATH 2228 or MATH 2283 or PSYC 2101)
- PSYC 1000 and another 3 hour PSYC course
- ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*

Additional Information: For more information, visit <http://www.ecu.edu/PT/>

Professional Schools:

Other schools include Duke, East Tennessee State, Elon, Medical University SC, UNC-Chapel Hill, University of Tennessee at Chattanooga, Virginia Commonwealth, Western Carolina, and Winston-Salem State. For a listing of school websites, visit the Academic Enrichment Center's page at <http://www.ecu.edu/Prehealth/Schools.html>

PRE-PROFESSIONAL PROGRAMS: PHYSICIAN'S ASSISTANT STUDIES

Possible Majors: Clinical laboratory science, health services management, chemistry, biology

Admission Requirements: Admission to the program is very competitive with the number of applications (400+) expected to more than exceed the 30 seats available. The applicants accepted into the program must have a grade point average (GPA) to satisfy the requirements of the ECU Graduate School. (<http://www.ecu.edu/gradschool/>.) The Department of Physician Assistant Studies prerequisite courses listed in this document must be completed with a cumulative GPA of at least a 3.0 on a 4.0 scale. Any exceptions must be approved by the Department Chair. For the Fall 2006 class, 450 applications were received for 30 slots. The average GPA of applicants was a 3.4 and the average GRE score was an 1100.

The ECU Physician Assistant Program participates in the Central Application Service for Physician Assistants (CASPA). All applications to this program must be submitted through CASPA at: <http://www.caspaonline.org/> and all applicants must apply to the ECU Graduate School to be considered for admission. The institutional code for both the GRE and MAT is 5180.

Applications will be accepted by the PA Program only after the CASPA and Graduate School packets are finished and reviewed for thoroughness by the Graduate School (including application, transcripts, references, etc.). The completed application packet deadline for CASPA is November 1. Please refer to the web site "Introduction" page for notice when the class has been filled.

Required Courses: Prerequisites for the PA program have been changed since the publication of the Medical and Allied Health Professions brochure published by the Academic Enrichment Center. Additionally, all prerequisites must be completed within 5 years of applying to the program. If prerequisites were taken outside of that time frame, they must be retaken for students to be considered. Prerequisite Courses for PA Program:

- BIOL 1100/1101, and BIOL 2110/2111
- BIOL 2140/2141 and BIOL 2150/2151
- BIOS 1500, MATH 2228, or PSYC 2101
- CHEM 1150/1151 and CHEM 1160/1161
- PSYC 1000
- CHEM 2770 is recommended but not required
- ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*

Additional Information: <http://www.ecu.edu/pa/> Contact Academic Enrichment Center

Professional Schools: ECU boasts the only physician assistant program offered in the University of North Carolina system. Other programs include Duke University (<http://pa.mc.duke.edu/>), Methodist College (<http://www.methodist.edu/paprogram/>), and Wake Forest University (<http://www1.wfubmc.edu/PAProgram/>)

PRE-PROFESSIONAL PROGRAMS: DENTISTRY

Admission Requirements: At Virginia Commonwealth in 2005, there were 941 applicants for 50 slots. The average overall GPA was 3.52 and the average science GPA was 3.33. At UNC-Chapel Hill in 2005 the average overall GPA was 3.58 and the average science GPA was 3.54. 69 out of 81 NC residents were accepted.

Required Courses:

- BIOL 1100/1101 and BIOL 1200/1201
- CHEM 1150/1151 and CHEM 1160/1161
- CHEM 2750/2753 and CHEM 2760/2763
- PHYS 1250 or 2350, and 1251
- PHYS 1260 or 2360, and 1261
- MATH 1065
- ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*

Additional Information: www.adea.org

Professional Schools: Medical University of SC, Virginia Commonwealth, and UNC-Chapel Hill. For a listing of school websites, visit the Academic Enrichment Center's webpage at <http://www.ecu.edu/Prehealth/Schools.html>

PRE-PROFESSIONAL PROGRAMS: VETERINARY MEDICINE

Possible Majors: Pre-veterinary medical students can pursue any undergraduate major they choose, and the required pre-professional courses can be obtained through the curricula of a number of fields of study. Popular majors for these pre-professional students include biology and biochemistry or other animal related majors. Applicants do not need a bachelor's degree, only need pre-req courses, although most colleges prefer degrees.

Admission Requirements: Candidates will be considered academically qualified for admission if they meet the minimum academic standards regarding GPA and GRE scores. NC State's minimum cumulative GPA is a 3.0 for NC residents and 3.4 for non-residents. In 2005, the average GPA for pre-req courses was 3.57. (At NCSU in 2003 there were 514 applicants; 76 accepted)

Required Courses:

1. ENGL 1100 and 1200
2. BIOL 1100/1101 and BIOL 1200/1201
3. BIOL 2300
4. BIOL 3220, 3221
5. BIOL 3310, 3311
6. CHEM 1150/1151 and CHEM 1160/1161
7. CHEM 2750/2753 and CHEM 2760/2763
8. PHYS 1250/1251 and PHYS 126/1261
9. MATH 1065 and MATH 2121 and MATH 2122 and MATH 2228
10. 6 s.h. of business courses
11. ***Students interested in transferring for professional programs should ascertain the specific requirements and recommendations of those schools.*

Additional Information: For more information, visit www.avma.org

Professional Schools: NC State University <http://www.cvm.ncsu.edu/>