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NC HEALTHCARE PROGRAMS AND REQUIREMENTS

This reference sheet is a guide to learn more about many (not all) of the health-related professional and graduate degree programs available in North Carolina.

The first five health careers shown provide a brief description of the career, list the college/university programs available in the NC, and a description of admission requirements:

- Doctor of Osteopathic Medicine (DO)
- Doctor of Medicine (MD)
- Physical Therapist (PT)
- Pharmacist (Pharm D)
- Physician Assistant (PA)

The remaining careers give a brief career description and list the college/university programs available in the NC.

Doctor of Osteopathic Medicine (DO)

1. Doctor that uses a unique whole-person approach to help prevent illness and injury.
2. Colleges with D.O. programs in North Carolina:
 - a. **Campbell University**
 - i. Applicants must have completed before matriculation the following courses with a C or higher from an accredited college or university to be considered. A grade letter of a C- in any completed coursework will not be accepted, and no exceptions. (This includes any coursework completed online from an accredited college or university).
 1. English: 1 year (6 semester hours/ 8 quarter hours) Please note: Other reading or writing-intensive courses instead of English will be accepted
 2. Biological sciences: 1 year with lab (8 semester hours/12 quarter hours)
 3. Physics: 1 year (6 to 8 semester hours/ 9 to 12 quarter hours)
 4. General/Inorganic Chemistry: 1 year with lab (8 semester hours/12 quarter hours)
 5. Organic Chemistry: 1 year with lab (8 semester hours/12 quarter hours) Please note: One semester of Biochemistry can replace one semester of Organic Chemistry.
 6. Six additional upper (300 level and above) science hours are favorable. Please note- courses in Biochemistry, Genetics, Immunology Microbiology, and Anatomy & Physiology) are highly recommended.

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- ii. All applicants must submit valid MCAT scores (no substitutions in place of the MCAT). MCAT scores from tests administered up to three years before the date of matriculation are accepted.
 1. Most competitive applicants to Campbell have MCAT scores at the 50th percentile or higher.
 2. The MCAT score, along with grades, personal qualities, and the student interview, is considered in the offer of acceptance.

Doctor of Medicine (MD)

1. Allopathic doctor that treats and diagnoses conditions using conventional medical tools like x-rays, prescription drugs, and surgery.
2. Must take the MCAT.
3. Generalized requirements to be considered competitive in MD application:
 - a. Strong GPA (between 3.5 and 3.7)
 - b. Competitive MCAT scores
 - c. Research experience
 - d. Clinical experience
 - e. Volunteer work
 - f. Glowing letters of recommendation
4. Colleges with M.D. programs in North Carolina:
 - a. **UNC Chapel Hill School of Medicine**
 - i. Must submit AMCAS Application.
 - ii. Letters of recommendation are required.
 - iii. **In-state applicants –** Applicants who meet the following academic criteria, as well as the total MCAT score indicated, are considered competitive applicants. The criteria are a minimum science (BCPM) and cumulative GPAs of 3.2, and a minimum total MCAT score of 500.
 - iv. **Out-of-state applicants –** Out-of-state applicants make up our largest and most competitive applicant pool. Applicants who meet the following academic criteria at the undergraduate level , including the total MCAT score indicated, are considered competitive applicants. The criteria are a minimum science GPA (BCPM) of 3.49, minimum cumulative GPA of 3.59, and a minimum total MCAT score of 514.
 - v. If you submit an application without an MCAT score, or if you are taking the MCAT and have not gotten your score yet, the application will not be

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considered/processed until the score is submitted and reported by AMCAS.

- vi. MCAT scores are not averaged. The most recent valid score will be the score used in application.
- vii. A bachelor's degree is required for admission from a regionally accredited institution within the U.S. or Canada. Students are encouraged to pursue one or more scholarly interests in depth during their undergraduate years, but coursework must demonstrate proficiency in the natural sciences. All degree granting programs and required coursework must be successfully completed prior to matriculation.
- viii. You will need a minimum of 30 credit hours of natural science coursework at the time of application to our program.
 1. **Natural Sciences (REQUIRED)**
 - a. Mathematics – One Statistics course is required. Statistics or Biostatistics are acceptable courses to fulfill the requirement.
 - b. Chemistry – Biochemistry is required. Two chemistry laboratories associated with any chemistry course are also required.
 - c. Biological Sciences – Two advanced biology courses are required, and one of the advanced courses must include a laboratory. Acceptable advanced biology courses include Microbiology and Immunology, Cell and Molecular Biology, Physiology, and Genetics.
 2. **Humanities (RECOMMENDED)**
 - a. Three courses are recommended. Humanities coursework in the following categories are acceptable: English, History, Philosophy, Ethics, Ethnic and Gender Studies, Social Justice, Religion, or foreign language study.
 3. **Social and Behavioral Sciences (RECOMMENDED)**
 - a. Three courses are recommended. Social and Behavioral Science coursework in the following categories are acceptable: Behavioral Psychology, Psychology, Sociology, Racial/Ethnic Health Disparities, Economics, Political Science, and Anthropology.

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- ix. “More than a good student, more than a good volunteer, more than interested in medicine, more than good on paper.”
 - x. A rigorous and successful academic record, competitive MCAT scores, commitment to service, research sexperience, healthcare experience (caring for patients one-on-one), extracurricular activities, life and work experiences, letters of recommendation, communication skills, diversity
- b. **Wake Forest University School of Medicine**
- i. Applicants must have a 502 MCAT and a 3.2 science/BCPM GPA with at least 15 BCPM credit hours to be sent a secondary application.
 - ii. Highest MCAT attempt is the one reviewed.
 - iii. At least 90 hours of college coursework is required to apply, and advanced placement (AP), P/F courses, and other credits are acceptable. A bachelor’s degree is required at time of matriculation.
 - iv. Wake Forest University School of Medicine does not have specific required coursework, applicants should be able to demonstrate competence in each of the areas shown as reflected in their MCAT score.
 - 1. Biology: introductory biology, molecular/cell biology, genetics, anatomy, physiology, neuroscience
 - 2. Chemistry: biochemistry, inorganic chemistry, organic chemistry
 - 3. Physics: introductory physics
 - 4. Mathematics: algebra, statistics
 - 5. Psychology: introductory psychology, behavioral psychology, abnormal psychology
 - 6. Sociology: introductory sociology, coursework with a special emphasis on health disparities
 - 7. Humanities: foreign language (especially Spanish), philosophy (especially medical ethics), literature
 - v. Applicants must take the CASPer test.
- c. **ECU Brody School of Medicine**
- i. Applicants must be legal residents of North Carolina at the time of application.
 - ii. Must take the MCAT class average is 506-508.
 - iii. Minimum MCAT score for consideration is 496.
 - iv. Minimum science GPA of 3.2.
 - v. Bachelor’s degree from a regionally accredited institution within the U.S. or Canada is required for admission.
 - vi. Can apply prior to completion of bachelor’s degree.

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- vii. No specific major required; applicant must have completed on year of each of the following courses with a C or higher:
 - 1. One year of General Biology or Zoology with laboratory (Botany alone is not sufficient to meet this requirement)
 - 2. One year of General Chemistry with laboratory (which must include both qualitative and quantitative analysis)
 - 3. One year of Organic Chemistry with laboratory
 - 4. One year of Physics with laboratory
 - 5. One year of English (or writing intensive courses)
 - 6. One semester of social sciences/humanities
 - 7. One semester of biochemistry, and
 - 8. One semester of statistics/biostatistics
- viii. Other recommended prerequisites include the following:
 - 1. Anatomy
 - 2. Cell Biology
 - 3. Genetics
 - 4. Histology
 - 5. Immunology
 - 6. Microbiology
 - 7. Molecular Biology
 - 8. Neuroscience
 - 9. Physiology
- d. [Duke University School of Medicine](#)
 - i. "Academic expectations" include multidisciplinary coursework in a number of areas and completion of the MCAT examination.
 - ii. minimum MCAT of 500 to be reviewed and evaluated by our committee.
 - iii. Recommended courses:
 - 1. Biochemistry: May be fulfilled by a single course in Biochemistry, or through coursework which incorporates principles of Biochemistry as part of an interdisciplinary course in Cell and/or Molecular Biology and/or Genetics.
 - 2. Cellular Biology: May be fulfilled by a single course in Cell and/or Molecular Biology and/or Genetics.
 - 3. Statistics/Biostatistics: An understanding of the application of statistical methods in the analysis of data is expected given the

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increasing reliance on current biomedical and healthcare research as part of the curriculum.

4. Physics: An understanding of the correlation of basic physics to human physiology and anatomy (e.g. physics and/or biophysics) should be completed. Labs are optional.
 5. Sociology: An introduction to the principles of social organization, with particular emphasis on the social determinants of healthcare is expected.
 6. Psychology: An introduction to the basic principles of psychology with emphasis on the biological basis of behavior are recommended.
 7. Expository Writing: Experience in expository writing across the humanities, including but not limited to formal courses in English, is a fundamental element in the preparation for medicine. This may be accomplished through coursework in a number of disciplines, including but not limited to Philosophy, History, Public Policy, Political Science, Religion, etc. and may be accomplished through an Honors Thesis or completion of a major research paper.
- iv. The preliminary coursework leading up to the cross-disciplinary courses, e.g. Biochemistry, Cell/Molecular Biology, etc., will vary among colleges and universities, therefore the academic expectations as listed represent a sample of the courses we hope to see in our matriculants to the School of Medicine.

Physical Therapist (PT)

1. Movement experts who improve quality of life through prescribed exercise, hands-on care, and patient education.
2. Have to complete a Physical Therapist Centralized Application Services (PTCAS) application.
3. Have to complete a bachelor's degree, take the GRE, and complete physical therapy observation hours.
4. Colleges with P.T. programs in North Carolina:
 - Campbell University**
 - i. Bachelor's degree from a regionally accredited institution in the U.S.
 - ii. GPA greater than or equal to 3.0 (cumulative and prerequisite courses).

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- iii. 3 letters of recommendation (recommend 2 from licensed physical therapists).
- iv. GRE taken within the last 5 years.
- v. A minimum of 50 hours in multiple physical therapy settings
- vi. Completion of the following prerequisites:
 - 1. Two semesters of human anatomy and physiology with labs (this may be taken as two combined A&P courses with lab or one anatomy course with lab and one physiology course with lab) – 8 credit hours
 - 2. One semester of general chemistry with lab – 4 credit hours
 - 3. Two semesters of general physics (algebra) with lab – 8 credit hours
 - 4. One semester of upper-level biology or exercise physiology (300+) with or without lab – 3-4 credit hours
 - 5. One semester of statistics – 3 credit hours
 - 6. Two semesters of social sciences (psychology or sociology) – 6 credit hours
 - 7. One semester of math (algebra or higher with trigonometry preferred) – 3 credit hours
- vii. Academic success and strong critical thinking skills will make a strong candidate.
- viii. Integrity, compassion, empathy, flexibility, ability to multitask.
- ix. Interviews.
- x. 50+ hours of observation/work experience in physical therapy.

Duke University

- i. Have to complete all prerequisite courses with a C or better.
- ii. Each prerequisite must fulfill the 3 semester or 5 quarter credit requirement.
- iii. A and P courses must be taken within 5 years of application.
- iv. Labs not required by are recommended.
- v. AP/IB credits accepted if accepted by undergraduate institutions.
- vi. Three letters of recommendation
 - 1. One from a professor
 - 2. One from a licensed physical therapist
 - 3. One from a person of the applicant's choice. Cannot be a family member.

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- vii. 100 verified physical therapy observation hours.
- viii. GRE taken within five years of application
- ix. Fill out the Duke application after PTCAS verifies the application.
- x. Interview by invitation.
- xi. Required courses:
 - 1. Anatomy
 - a. Semester/Quarter Credit Hours: 3/5
 - b. Course Topic: Human or Vertebrate Anatomy
 - c. Course Description: Recommended courses focus on the musculoskeletal system and its neural control:
 - i. Muscle origins
 - ii. Muscle insertions
 - iii. Muscle actions
 - iv. Innervation patterns
 - d. Courses based on human cadaver dissections or prosected human preparations are recommended.
 - e. Anatomy courses taken in sequence (e.g. A&P I and II usually offered by a biology department) or anatomy courses taken separately (usually offered by an exercise science, kinesiology, or other allied health department) will be accepted.
 - 2. Physiology
 - a. Semester/Quarter Credit Hours: 3/5
 - b. Course Topic: Human or Vertebrate Physiology
 - c. Course Description: Recommended courses focus on:
 - i. Striated muscle
 - ii. Cardiac muscle
 - iii. Cardiovascular Regulation
 - iv. Respiration & Gas Exchange
 - v. Hormonal Control
 - vi. Thermoregulation
 - vii. Acid-Base Homeostasis
 - d. Physiology courses taken in sequence (e.g. A&P I and II usually offered by a biology department) or physiology courses taken separately (usually offered by an exercise

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science, kinesiology, or other allied health department) will be accepted.

3. Biological Science

- a. Semester/Quarter Credit Hours: 6/9
- b. Course Topic: General or Upper Level Biology
- c. Course Description: A general biology course and/or upper-level courses such as embryology, histology, immunology, microbiology, molecular, genetics, cell, exercise physiology (if not used to fulfill physiology prerequisite), etc. will be accepted.
- d. This prerequisite can be fulfilled by:
 - i. Taking 2 general biology courses (BIO I/II)
 - ii. Taking 2 upper-level biology courses
 - iii. Taking 1 general biology course and 1 upper-level course.
- e. All courses must be taken within a Biology Department (with the exception of exercise physiology).

4. Chemistry

- a. Semester/Quarter Credit Hours: 6/9
- b. Course Topic: General or Upper Level Chemistry
- c. Course Description: A general chemistry course and/or upper-level courses such as biochemistry, inorganic, or organic will be accepted.
- d. This prerequisite can be fulfilled by:
 - i. Taking 2 general chemistry courses (CHEM I/II)
 - ii. Taking 2 upper-level chemistry courses
 - iii. Taking 1 general chemistry course and 1 upper-level chemistry course
- e. All courses must be taken within a Chemistry Department.

5. Physics

- a. Semester/Quarter Credit Hours: 6/9
- b. Course Topic: General Physics
- c. Course Description: Recommended courses focus on:
 - i. Light, Heat, Electricity, Mechanics, Sound, etc.
- d. A biomechanics course can be used to replace the Physics II course.

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- e. This prerequisite can be fulfilled by taking a Physics I and Physics II course sequence. Courses must be taken within a Physics Department.

6. Statistics

- a. Semester/Quarter Credit Hours: 3/5
- b. Course Topic: Statistics
- c. Course Description: Recommended courses include: biostatistics, business statistics, psychology statistics, general statistics, biometry, quantitative analysis, research methods/design, or hypothesis testing.
- d. Calculus and non-calculus-based statistics courses will be accepted. All courses must be taken within a Mathematics or Psychology department.

7. Psychology

- a. Semester/Quarter Credit Hours: 6/9
- b. Course Topic: General or Upper Level Psychology
- c. Course Description: Recommended courses include: general, abnormal, child, developmental, biological, social, sports, etc.
- d. This prerequisite can be fulfilled by:
 - i. Taking 2 general psychology courses
 - ii. Taking 2 upper-level psychology courses
 - iii. Taking general and upper-level psychology courses.
- e. These courses should be taken within a Psychology Department; however, sports psychology will be accepted.

East Carolina University

- i. Complete PTCAS application, ECU Graduate School Application, and CASPER test 3-4 weeks before the September 15th deadline.
- ii. 100 hours of observation in a physical therapy setting.
- iii. Bachelor's degree with a minimum cumulative GPA of 3.0.
- iv. Two letters of recommendation completed in PTCAS
 - 1. At least one completed by the physical therapist who supervised you in a clinical setting.
- v. Minimum prerequisite GPA of 3.25 with a 'C' or better in each prerequisite course.

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- vi. Applicants should have no more than two prerequisite courses left to complete in the Fall semester of their application year.
- vii. Prerequisite courses:
 - 1. General chemistry (I & II), 8 semester hours with lab
 - 2. General physics (I & II), 8 semester hours with lab
 - 3. Biology, 12 semester hours with the lab to include:
 - a. 8 hours of biology with lab and 4 hours of human or mammalian physiology with lab OR
 - b. 4 hours of biology with lab and 8 hours of human physiology and anatomy with lab
 - 4. College algebra or higher, 3 semester hours
 - 5. Statistics, 3 semester hours
 - 6. Psychology, 6 semester hours to include general psychology
 - 7. Please consult the course equivalencies chart for prerequisite courses at area colleges and universities
 - 8. AP course credits
 - a. AP courses can count for prerequisites if they appear on a transcript, but the courses will not be considered in the GPA calculation.
 - 9. One grade replacement per content area (biology, chemistry, physics, math, psychology, and statistics) is allowed
- viii. Admission preference is given to North Carolina residents.

Elon University

- i. Have to be able to meet the essential requirements of Physical Therapy Education at Elon University.
- ii. National background check.
- iii. Bachelor's degree from regionally accredited college or university.
- iv. Prerequisite Courses:
 - 1. Six sciences courses and one non-science course.
 - 2. Grades of 'C' or better are required.
 - 3. No P/F
 - 4. Advanced Placement Courses or placement exams cannot be used to satisfy prerequisites.
 - 5. 6 Science courses (3-credit hour course or higher with lab) from the list:

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- a. Biology, chemistry, Human Anatomy/Physiology, Exercise Physiology, Kinesiology, Biomechanics, Pathology, and/or Physics.
 - b. Biology, chemistry, anatomy, and physics courses require a lab.
6. The non-science course does not have a time limit:
- a. 1 psychology course (3 semester hours)
- v. GRE from within the last five years.
 - vi. Three letters of recommendation
 1. One from a practicing physical therapist; one from a professor/instructor
 - vii. Admissions interview.

UNC Chapel Hill

- i. GRE scores are not necessary for the application process.
- ii. No specific undergraduate major required to apply to the program.
- iii. PTCAS open June 15, 2023
- iv. Applications due September 15, 2023
- v. Four year degree with a minimum overall cumulative GPA of 3.0
- vi. Prerequisite course GPA must be a 3.2.
- vii. Minimum of three letters of recommendation.
 1. One by a physical therapist.
- viii. Observation hours recommended by not required. Recommended about 100 hours in at least three different settings.
- ix. Prerequisite courses:
 1. Introductory statistics
 2. Principles of Biology I with Lab
 3. Second Biology course (not botany)
 4. General Chemistry I with Lab
 5. General Chemistry II with Lab
 6. Human Anatomy with Lab
 7. Physiology
 8. General Psychology
 9. Exercise Physiology (Lab Optional)
 10. General Physics I with Lab
 11. General Physics II with Lab

f. [Western Carolina University](#)

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- i. Applicants must apply through the American Physical Therapy Association PTCAS.
- ii. Take the CASPer.
- iii. Applications due by October 1st.
- iv. Application must include:
 1. Official college/university transcripts from all previous coursework
 2. Completion of prerequisite courses
 3. An essay written on a topic specified by PTCAS
 4. Experience demonstrating that the applicant has chosen a career in physical therapy with thoughtful consideration and with realistic understanding of the scope of physical therapy practice.
 5. Completed CASper test.
- v. Prerequisite courses:
 1. Anatomy with lab
 2. Biology I with lab
 3. Biology II with lab
 4. Chemistry I with lab
 5. Chemistry II with lab
 6. Exercise Physiology
 7. Physics I with lab
 8. Physics II with lab
 9. Physiology with lab
 10. Psychology
 11. Statistics

Wingate University

- i. Applications must be verified by PTCAS and available for review by the admissions committee no later than a specific date depending on cohort.
- ii. Must submit an official degree transcript.
- iii. Applicants must complete the 11 prerequisites with a 'C' or higher ('B' or higher is preferred).
- iv. GRE is not required, but scores should be within 5 years of the anticipated date of enrollment. They should be submitted directly to PTCAS.
- v. A minimum of two letters of recommendation. At least one of them should be from a licensed physical therapist.
- vi. 50 hours of observation with a licensed physical therapist is required.

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- vii. Virtual interview by invitation.
- viii. Prerequisite courses:
 1. Human Anatomy with lab OR Human Anatomy and Physiology I with lab
 2. Human Physiology with lab OR Human Anatomy and Physiology II with lab
 3. Physics I with lab
 4. Physics II with lab
 5. General Chemistry I with lab
 6. General Chemistry II with lab
 7. General Biology I with lab
 8. Upper level Biology or Physiology
 9. Human Psychology
 10. Math
 11. Statistics

h. Winston-Salem State University

- i. DPT applicants must apply via PTCAS rather than university application.
- ii. All prerequisites must be completed with a 'C' or better including Clinical Education Courses and a cumulative GPA of 3.0.
- iii. Prerequisite courses:
 1. Psychology
 2. Social or Behavioral Sciences
 3. Statistics
 4. Chemistry I
 5. Chemistry II
 6. Physics I
 7. Physics II
 8. Anatomy and Physiology I
 9. Anatomy and Physiology II
 10. Biology I
 11. Other Upper Level Biology
- iv. Applicants are required to have at least 50 observation hours with a licensed physical therapist. It is recommended to have 100 observation hours. At least two settings are recommended and high consideration will be given to applicants with more observation hours and who have observed a variety of different settings.

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- v. Overall cumulative GPA of 3.0 (avg. 3.67), program specific prerequisite GPA of 3.0 (avg. 3.60)
- vi. Minimum GRE score of 290 (avg. 306)
- vii. Three references are required (must have at least one reference from a physical therapist and a professor).

i. High Point University

- i. A bachelor's degree is required at the time of matriculation into the DPT program. There is no set requirement for the academic major associated with the undergraduate degree.
- ii. Prerequisites:
 - 1. Human or Vertebrate Anatomy and Lab (6 hours)
 - 2. Biology I and II with lab (8 hours)
 - 3. Chemistry I and II with lab (8 hours)
 - 4. Physics I and II with lab (8 hours)
 - 5. Statistics
 - 6. Psychology (Abnormal and Developmental-6 hours)
 - 7. English Composition
- iii. There is no minimum requirement for volunteer/work hours. 100 hours of volunteer time or paid work in varied PT practice is recommended.
- iv. Submit three letters of reference. It is highly recommended that at least one reference come from a professor and one from a licensed physical therapist. Letters of reference from a friend or family member will not be reviewed.

Pharmacist (Pharm D)

- 1. A healthcare provider and medication expert that ensures your medications are safe and appropriate for your needs.
- 2. Colleges with Pharm D programs in North Carolina:
 - a. UNC Chapel Hill
 - i. Have to apply online through the PharmCAS.
 - ii. Submit supplemental information form.
 - iii. Interview with the school.
 - iv. The PCAT test is an optional requirement. Applicants who are unable to complete an exam or who choose not to report exam scores will not be disadvantaged.
 - v. All prerequisites must be completed at a regionally accredited institution.

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- vi. You do not have to have a bachelor's degree to apply to the school (although having one would make you more competitive).
- vii. As long as you have completed the prerequisites, you are able to apply.
- viii. Prerequisite labs must be completed in person.
- ix. Prerequisite courses:
 - 1. Principles of Biology
 - 2. Fundamentals of Human Anatomy and Physiology
 - 3. General Chemistry I
 - 4. General Chemistry II
 - 5. Separations/Analytical Characterization (UNC students only)
 - 6. Organic Chemistry I
 - 7. Organic Chemistry II
 - 8. Biochemistry
 - 9. Microbiology
 - 10. Physics I
 - 11. Calculus
 - 12. Statistics
 - 13. English
 - 14. Social Sciences
 - 15. Two humanities courses required
- b. **Campbell University**
 - i. Applicants must complete a minimum of 64 prerequisite credit hours prior to enrollment into the PharmD program.
 - ii. Must complete the required courses with a letter grade of C or higher.
 - iii. Must have a minimum GPA of 2.5 or higher on a 4.0 scale.
 - iv. If you have a bachelor's degree, you just have to complete the math and science prerequisites.
 - v. Have to submit a PharmCAS application with transcript and two letters of recommendation (will review up to 4).
 - vi. Interview by invitation (virtual or in person).
 - 1. One from a science professor and one from a pharmacist.
 - vii. Prerequisite courses:
 - 1. Calculus
 - 2. Physics with lab
 - 3. General Chemistry (I and II) with lab
 - 4. Organic Chemistry (I and II) with lab

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5. General Biology with lab
 6. Human Anatomy and Physiology with labs
 7. Microbiology with lab
 8. Statistics
 9. English
 10. 12 credit hours of humanities
 11. 8 credit hours of electives
- viii. After acceptance, urine drug screening and criminal background check through the PharmCAS system.

High Point University

- i. Must complete the 65-hour pre pharmacy curriculum
- ii. Apply during the second year of the pre pharmacy program.
- iii. Must submit a application with two references through the PharmCAS
 1. One reference from a pharmacist/healthcare professional, and one from a professor/employer/supervisor/faculty/pre-health advisor
 2. No family or friends.
- iv. Participate in interview day.
 1. Introduction
 2. Two one-on-one interviews
 3. Tour of the school and HPU campus
 4. Meet with current students
 5. Wrap-up and questions.
- v. Prerequisite courses:
 1. Chemistry I with lab
 2. Chemistry II with lab
 3. Organic Chemistry I with lab
 4. Organic Chemistry II with lab
 5. General Biology with lab
 6. Human Anatomy and Physiology with lab
 7. Microbiology with lab
 8. Calculus I or intro to Biostatistics
 9. Communications (interpersonal or human)
 10. English I
 11. English II
 12. Elective courses to reach at least 65 hours minimum

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- d. **Wingate University**
- i. Degree is not required for admission.
 - ii. Minimum prerequisite GPA of 2.75 or higher to be considered for an interview.
 - iii. Highest grade for retaken courses.
 - iv. PCAT is optional for applicants with at least a 3.0 prerequisite GPA or higher; recommended for those with a lower GPA.
 - v. Highest subscores of PCAT used to create a superscore.
 - vi. PharmCAS application required.
 - vii. Interviews by invitation.
 - viii. Prerequisite course:
 1. Anatomy and Physiology with lab
 2. General Biology with lab
 3. General Microbiology with lab
 4. General Chemistry (I and II) with lab
 5. Organic Chemistry (I and II) with lab
 6. English (I and II)
 7. Calculus
 8. Statistics
 9. General Education courses adding to 12 credit hours
 - ix. Three letters of recommendation required, recommend submitting four.

Physician Assistant (PA)

1. Licensed clinicians who practice medicine in every specialty and setting.
2. Work under supervising physician and state law, but provide many of the same services as a primary care physician.
3. Must obtain a bachelor's degree and complete common prerequisite courses.
4. Must accrue healthcare and patient care experience hours.
5. CASPA application, transcripts, letters of recommendation, list of HCE/PCE hours, personal statement, interviews, PANCE.
6. **Colleges with PA programs in North Carolina:**
 - a. **Campbell University**
 - i. Bachelor's degree from a regionally accredited institution in the U.S. completed by the end of the spring semester prior to matriculation.
 - ii. GRE is required with a score >300 within 5 years of application to be competitive.

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- iii. 1,000 hours of direct hands-on patient care experience at the time of application submission.
- iv. 20 hours of shadowing PA recommended.
- v. GPA > 3.4
- vi. AP credit accepted.
- vii. No time limit on completed coursework.
- viii. Completion of all prerequisite courses with a C or better:
 - 1. One semester Biology
 - 2. Two semesters Human Anatomy and Physiology with labs
 - 3. One semester of Microbiology with lab
 - 4. One semester of Chemistry with lab
 - 5. One semester of Organic or Biochemistry
 - 6. One semester of Statistics or Biostatistics
 - 7. One semester of Psychology
 - 8. One semester of Genetics is recommended

Duke University

- i. Undergraduate degree required.
- ii. All prerequisites should have been taken no earlier than 10 years prior to application.
- iii. AP courses are not acceptable toward any of the prerequisite courses.
- iv. Applicants can apply with no more than 2 outstanding prerequisite courses.
- v. GRE scores are required of ALL candidates including candidates who have already earned masters or doctoral degrees.
- vi. Minimum of 1,000 hours of patient care experience with direct, hands on patient contact which must be completed no later than the date of CASPA submission.
- vii. Completion of all prerequisite courses with a C or better:
 - 1. Anatomy/physiology with labs preferred
 - 2. Microbiology
 - 3. Other Biology course of choice
 - 4. Second other Biology course of choice
 - 5. Chemistry course of choice with lab
 - 6. Second chemistry course of choice with lab
 - 7. Statistics

c. East Carolina University

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- i. Must complete a CASPA application.
 - ii. Must complete a ECU Graduate School application.
 - iii. Preference is given to NC residents.
 1. Can be from NC, SC, VA, GA, TN, D.C.
 - iv. Must have a Bachelor's degree.
 - v. Minimum of 3.0 GPA for consideration.
 - vi. No more than two C's in prerequisite courses.
 - vii. Course completions within 5 years preferably.
 - viii. AP accepted for Psychology and Statistics only.
 - ix. Cumulative GPA 3.81; science GPA 3.77; prerequisite GPA 3.85 (all competitive).
 - x. Three letters of recommendation required directly to CASPA. More does not make you more competitive.
 - xi. At least 1,000 contact hours to be competitive.
 - xii. Interviews by invitation.
 - xiii. Standardized testing is not required for application review and admission. Preference toward applicants who have taken PA-CAT.
 - xiv. Completion of all prerequisite courses with a B or higher is recommended:
 1. Biochemistry with a grade B or better is given preference with application review.
 2. Human Anatomy and Physiology with lab
 3. Genetics
 4. General Chemistry 1 and 2 with lab
 5. Microbiology
 6. Introductory Psychology or higher
 7. Statistics
- d. **Elon University**
- i. Essential function requirements, national background check, no AP, no transfer credits.
 - ii. Undergraduate degree required with a minimum GPA of 3.2 for undergraduate work and minimum overall science GPA of 3.0.
 - iii. Minimum of 1,000 hours of volunteer or work experience in a health care setting with at least 20 of these hours spent observing a physician assistant is required.

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- iv. Three letters of recommendation required including one from a PA/healthcare provider, and two others.
- v. Completion of all prerequisite course with a C or better:
 - 1. Human Anatomy and Physiology with lab.
 - 2. General Chemistry with lab
 - 3. Additional Chemistry with lab
 - 4. Microbiology
 - 5. 1 upper level science
 - 6. Psychology course

e. Gardner-Webb University

- i. A Bachelor's Degree from a US regionally accredited institution is required to apply, and the minimum acceptable overall GPA is 3.0
- ii. Prerequisite courses:
 - 1. Human anatomy and physiology with labs (two semesters or equivalent)
 - 2. Microbiology with lab (one semester or equivalent)
 - 3. Additional biology (one semester or equivalent)
 - 4. Organic chemistry with lab or Biochemistry (one semester or equivalent)
 - 5. Additional chemistry with lab (one semester or equivalent)
 - 6. Statistics (one course)
 - 7. Psychology (one course) and
 - 8. Medical terminology
- iii. Three professional letters of recommendation; at least one from an advanced care practitioner or physician (PA, NP, MD, DO)
- iv. Minimum 1000 hours direct patient care experience

High Point University

- i. Only one prerequisite course may be in progress during the Fall semester of the year in which you apply.
- ii. All courses must be completed by the end of the Fall semester of the year in which you apply.
- iii. No pass fail.
- iv. Prerequisite science courses must be completed within 10 years prior to June enrollment.

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- v. AP/IB coursework will be accepted as long as the class appears on a college transcript with assigned credits based on AP exam score of 4 or higher.
- vi. Minimum cumulative undergraduate science GPA of 3.2; minimum cumulative undergraduate overall GPA of 3.2.
- vii. GRE is required within 5 years of the application deadline.
- viii. Minimum of 200 hours of volunteer or work experience in a health care setting.
 - 1. Preference given to applicants having significantly greater than 200 hours of volunteer or work experience and to those applicants having experience that requires a period of training and results in direct patient care.
- ix. Total of 3 references submitted on the official CASPA reference form are required.
- x. Bachelor's degree required.
- xi. Completion of all prerequisite courses must be completed with a grade of C or above:
 - 1. Human or Vertebrate Anatomy with lab
 - 2. Human or Vertebrate Physiology
 - 3. Biological Science with labs
 - 4. Upper level human biological science
 - 5. Microbiology with lab
 - 6. General/Inorganic Chemistry with lab
 - 7. Additional Chemistry
 - 8. Statistics
 - 9. Psychology
 - 10. Humanities and Social Sciences up to 9 semester hours
- g. **Methodist University**
 - i. Bachelor's degree required.
 - ii. Overall college GPA of 3.0 or higher is recommended.
 - iii. Must complete the GRE with a recommended score of 297.
 - iv. A minimum of 500 hours clinical experience with direct patient contact completed by July 15.
 - 1. More competitive if you have more than 500.
 - v. No history of drug abuse or conviction of a felony.

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- vi. No history of dismissal from a PA, medical, or nursing school for academic or disciplinary reasons.
- vii. Must complete the interview.
- viii. Completion of all prerequisite courses must be completed with a C or better:
 - 1. Microbiology with lab
 - 2. Anatomy and physiology with lab
 - 3. 1 additional animal/human Biology course
 - 4. Organic chemistry I with lab
 - 5. Biochemistry
 - 6. Statistics
 - 7. 1 semester of Psychology
 - 8. Medical terminology
- h. **Pfeiffer University**
 - i. Must submit a CASPA application.
 - ii. No supplemental application necessary.
 - iii. Must have Bachelor's degree.
 - iv. Overall GPA of 3.0; prereq. GPA of 3.2.
 - v. 500 hours of direct patient care experience.
 - vi. 24 hours of shadowing a PA.
 - vii. 3 Letters of recommendation in CASPA application.
 - viii. Personal statement.
 - ix. CASPer test.
 - x. Interview.
 - xi. Background check.
 - xii. Drug screening.
 - xiii. Physical exam and immunizations.
 - xiv. No AP courses accepted.
 - xv. Coursework must have been completed no more than 7 years prior to matriculation.
 - xvi. Completion of following prerequisite coursework:
 - 1. Anatomy and Physiology with lab
 - 2. Microbiology with lab
 - 3. Organic Chemistry with lab
 - 4. Genetics
 - 5. Biochemistry

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6. Psychology
 7. Statistics
 8. Medical terminology
- i. **UNC Chapel Hill**
- i. Minimum cumulative GPA of 3.0 (includes all academic coursework) OR last 60 semester hours of 3.0
 - ii. Bachelor's degree from a regionally accredited institution in the US
 - iii. Minimum cumulative prerequisite GPA of 3.2
 1. Anatomy (A&P Human-based highly preferred. Applicants completing A&P I are required to take A&P II. Completion of A&P I and A&P II do not require additional physiology coursework)
 2. Physiology
 3. Biochemistry or Organic Chemistry
 4. Microbiology
 5. Sociology/Psychology
 6. Statistics or Biostatistics
 7. Medical Terminology
 - iv. Minimum 1,000 hours paid, direct, hands-on patient care
 - v. Three letters of recommendation (at least from experience health care professionals who observed you in a clinical setting at least from a practicing PA, no personal)
- j. **Wake Forest University**
- i. Bachelor's degree from an accredited institution or an equivalent
 - ii. Prerequisites - must earn a C or above:
 1. Genetics: one semester (a minimum of three semester hours or four quarter hours) of a molecular-based genetics course. A social-based genetics course will not meet this requirement.
 2. General Chemistry: one semester (a minimum of three semester hours or four quarter hours). One semester of Organic Chemistry will also fulfill this requirement.
 3. Biochemistry: one semester (a minimum of three semester hours or four quarter hours). A survey or combined course will not meet this requirement.
 4. Human Anatomy and Human Physiology: one full academic year (a minimum of six semester hours or eight quarter hours). This requirement may be met by taking either one semester of Human

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Anatomy and one semester of Human Physiology, or two semesters of Human Anatomy and Human Physiology combined.

5. Microbiology: one semester (a minimum of three semester hours or four quarter hours).
 6. Statistics: one semester (a minimum of three semester hours or four quarter hours).
 7. Medical Terminology: one course in medical terminology. Before enrolling in an online course that does not result in a course grade on a college transcript, please contact the Wake Forest University School of Medicine PA Program admissions office.
- iii. Three letters of recommendation – one from a health care professional
 - iv. Must take the GRE within 5 years of application deadline and submit score
 - v. Minimum of 1,000 hours of healthcare employment or other direct patient contact experience.
- k. **Wingate University**
- i. Bachelor's degree from an accredited college or university located within the United States
 - ii. Prerequisites:
 1. Human Anatomy and Physiology (8 hours minimum)
 2. Genetics
 3. Microbiology with lab
 4. Organic Chemistry with Lab
 5. Biochemistry
 6. General Psychology
 7. Statistics
 8. Medical Terminology
 - iii. GRE scores from within five years of application
 - iv. Minimum of two letters of recommendation from a provider (MD, DO, NP, PA) and college professor or advisor
 - v. Minimum of 500 hours of direct patient contact.

OTHER PROGRAMS

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Occupational Therapist (OT)

1. Individuals that focus on the things you want and need to do in your life using everyday life activities to prompt health, well-being, and your ability to participate in the important activities of your life.
2. Colleges with OT programs in North Carolina:
 - a. East Carolina University
 - b. UNC Chapel Hill
 - c. Winston-Salem State University
 - d. Lenoir Rhyne College
 - e. Methodist University
 - f. Wingate University
 - g. Cabarrus College of Health Sciences
 - h. Pfeiffer University
 - i. Duke University

Dentistry (DDS/DMD)

1. Trained professionals who help care for the teeth and mouth and promote dental hygiene.
2. Must go to dental school followed by residency.
3. Colleges with DDS/DMD programs in North Carolina:
 - a. East Carolina University
 - b. UNC Chapel Hill
 - c. Duke University
 - d. North Carolina State University
 - e. Wake Forest University
 - f. East Carolina University
 - g. University of North Carolina at Charlotte
 - h. Appalachian State University
 - i. University of North Carolina at Greensboro

Ophthalmology

1. A medical or osteopathic doctor who specializes in eye and vision care.
2. Colleges with Ophthalmology programs in North Carolina:
 - a. UNC Chapel Hill/Hospitals Program
 - b. Duke University Hospital Program
 - c. Wake Forest University School of Medicine Program

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Nurse Practitioners

1. A nurse who has advanced clinical education and training that shares many of the same duties as doctors. They perform physical exams, diagnoses and treat diseases and other health conditions, and prescribe medication. Graduate-level degree of education.
2. Colleges with Nurse Practitioner programs in North Carolina:
 - a. Duke University
 - b. Western Carolina University
 - c. North Carolina Central University
 - d. Carolinas College of Health Sciences
 - e. East Carolina University
 - f. UNC Chapel Hill
 - g. UNC Greensboro
 - h. Winston-Salem State University
 - i. Fayetteville State University
 - j. Central Piedmont Community College
 - k. Cabarrus College of Health Sciences

Emergency Medical Services (EMS)

1. A system that responds to emergencies in need of highly skilled prehospital clinicians.
2. Four levels: emergency medical responder, emergency medical technician, advanced emergency medical technician, paramedic.
3. Locations with EMS programs in North Carolina:
 - a. Almost every community college across the state.

Counseling

1. Different types of counseling.
2. Professional counseling is the application of mental health, psychological, or human development principles through cognitive, affective, behavioral, or systemic intervention strategies that address wellness, personal growth, or career development, as well as pathology.
3. Colleges with Professional Counseling programs in North Carolina:
 - a. Appalachian State University
 - b. East Carolina University
 - c. Gardner-Webb University

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- d. Lenoir-Rhyne University
- e. NC A&T
- f. North Carolina Central University
- g. North Carolina State University
- h. UNC Chapel Hill
- i. UNC Charlotte
- j. UNC Greensboro

Master of Social Work (MSW)

1. Graduate degree that prepares social workers to pursue state licensure, focusing on clinical social work.
2. Colleges with MSW programs in North Carolina:
 - a. Appalachian State University
 - b. East Carolina University
 - c. Fayetteville States University
 - d. Johnson C. Smith University
 - e. NC A&T/UNCG Joint Program
 - f. North Carolina Central University
 - g. North Carolina State University
 - h. UNC Charlotte
 - i. UNC Chapel Hill
 - j. UNC Pembroke
 - k. UNC Wilmington
 - l. UNC Winston Salem
 - m. Western Carolina University

Public Health (MPH/MSPH)

1. Programs which promote and protect the health of all people and their communities.
2. Universities with Public Health programs in North Carolina:
 - a. Campbell University
 - b. UNC Chapel Hill
 - c. East Carolina University
 - d. Lenoir-Rhyne University
 - e. UNC Greensboro
 - f. UNC Charlotte

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