

2010-2011 PRE-HEALTH STUDENT GUIDE



THE UNIVERSITY OF
MEMPHIS[®]
College of Arts and Sciences

PRE-HEALTH ADVISING

Pre-Health Student Guide

The Pre-Health Student Guide was designed for current and prospective University of Memphis students interested in pursuing a professional career in the health sciences. Since many U of M students attend professional schools in the Memphis area, emphasis is given to local schools and their requirements. Prerequisite coursework listings for various healthcare programs can be found at the end of this guide.

Pre-Professional Advising

Jessica Clifford, Pre-Professional Advisor

Location: 107 Scates Hall

Phone: 901-678-5454

Email: jgclffrd@memphis.edu

Website: http://www.memphis.edu/cas/pre_health.htm

Advising Hours: Appointments typically available Monday through Friday (9-3:30). Appointments should be scheduled via email or telephone; walk-in appointments are rarely accommodated.

What Pre-Professional Advising Can Do For You

- Serve as your primary academic advisor if you are an Allied Health student (Dental Hygiene, Occupational Therapy, HIIM, etc) and serve as a resource advisor for students interested in health fields that require an undergraduate degree (medicine, dentistry, optometry, etc).
- Provide individual and group advising for students preparing for careers in the health professionals including advice on completing prerequisites, student involvement, gaining health-related experience through shadowing and volunteer work, etc.)
- Help navigate the application process for professional school including oversee the pre-professional committee letter process.
- Maintain information about various health professions including school information (information available in the lobby of 107 Scates Hall for student review at any time)
- Hold workshops through the year on various topics related to healthcare and the application process including personal statements, application process, four year timelines, etc.
- Discuss parallel plans if admission to professional school is unsuccessful.

Student Responsibilities

- Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss their interest in healthcare and develop a timeline to application.
- Requirements may vary depending on the school(s) to which a student applies. Students must check with each individual school and ensure all requirements are met.
- Our website is updated regularly with upcoming events. Students should email the pre-professional advisor (jgclffrd@memphis.edu) to be added to a mailing list for notification of workshops, guest speakers, student organization meetings, etc.
- Set realistic goals and develop a parallel plan for an alternate professional school or career if admission to first choice is not successful.

MAJOR DECISIONS

Picking a Major

The U of M, like most universities, does not offer “pre-med” (or pre-dent, pre-pharmacy, etc) as an actual major; rather, this is your career focus. The majority of professional programs require or strongly encourage the completion of an undergraduate degree, although no one single major is preferred. Although many pre-health students major in biology or chemistry, it is becoming increasingly common for students to major in a non-science field and seek (and gain!) admission to professional school. Ultimately it is up to you-choose a major you are interested in and do well in that major while completing prerequisite courses needed for admission to the professional schools of your choice. Regardless of the major, students admitted to professional school excel academically, including in the prerequisite science courses, earn competitive entrance exam scores, and are well-rounded. For a complete listing of undergraduate programs at The U of M visit:

<http://www.memphis.edu/majors/ugmajors.htm>.

You will be advised in the department that houses your major but should contact the pre-professional advisor to be added to the pre-health mailing list. You are encouraged to meet with the pre-professional advisor at least once a year.

Allied Health

The majority of Allied health professions are unique in that they do not require the completion of an undergraduate degree prior to admission. If you are interested in one of the allied health programs available through The University of Tennessee Health Science Center (Cytotechnology, Dental Hygiene, Health Informatics and Information Management, Medical Technology, Occupational Therapy), you should declare your major as Pre-Professional/Arts and Sciences and meet with the Pre-Professional Advisor each semester for academic planning and course selection. Information about UTHSC programs is available online:

<http://www.uthsc.edu/allied/>.

Baptist College of Health Sciences offers degrees in Health Care Management, Medical Radiography, Nuclear Medicine Technology, Radiation Therapy, Diagnostic Medical Sonography, and Respiratory Care. If you are interested in one of these programs, it is imperative that you contact an admission representative at BCHS who will assist you in the transfer process. Information is available online at: <http://www.bchs.edu/>. While at The U of M, you should declare your major as Pre-Professional/Arts and Sciences and meet with the Pre-Professional Advisor each semester for academic planning and course selection.

Physical Therapy

Although generally considered an allied health profession, physical therapy programs now offer an entry-level doctorate and require applicants to complete an undergraduate degree prior to admission. If you are interested in physical therapy, declare a major and complete the prerequisite courses needed for admission to the physical therapy programs of your choice. A popular choice of major among “pre-pt” students is Health and Human Performance with a concentration in Exercise and Sport Sciences (EXSS) offered by The College of Education (<http://www.memphis.edu/hss/exss/exss-bsed.htm>). Ultimately, you should select a major you are interested in, and then do well in that particular major. See “Picking a Major” above for more information.

Nursing

Students interested in nursing should contact the Loewenberg School of Nursing (901-678-2003). Information is available online at: <http://www.memphis.edu/nursing/>.

ACADEMIC PLANNING

Grades

To be a competitive applicant for professional school, strong academic performance is extremely important. While most professional schools specify a minimum grade point average, acceptance with only the minimum grade point average is highly unlikely due to the large number of qualified applicants. Make sure you review the admissions criteria for the schools you wish to attend as well as the median GPA and entrance exam scores for the most recently admitted class of students (this can be found in the entering class profile). This information should help you set goals for your academic performance and realistically assess your strength as an applicant.

Generally speaking, professional schools:

- consider sciences credits three to five years old outdated.
- do not accept physical education activity courses, military sciences, applied art, and applied music courses as fulfillment of elective hours.
- require a grade of C or higher in all prerequisite courses.

Online Courses

In general, professional schools prefer that students gain in-class, hands-on experience offered by the traditional classroom setting and may not accept courses taken online as meeting admission requirements. This is particularly true in regards to science courses. To avoid potential problems, you should review the requirements of each professional school you plan to apply to as well as check with your advisor prior to enrolling in any online courses.

Planning Your Schedule

It is understandable that you have more going on in your life than just class! Many students balance family and work responsibilities with homework, time in class, and student involvement. In addition, as a pre-professional student it is important to gain experience through volunteering and shadowing. Just be aware that there are no substitutes for good grades when applying to professional school. Make sure you take on courses and experiences that you enjoy but that will also result in success while keeping in mind all of your responsibilities.

Prerequisite and Co-requisite Courses

Many courses, and in particular those in the fields of science and math, have prerequisite and/or co-requisite courses. It is your responsibility to review this information and discuss prerequisite requirements and course sequencing with your advisor. You can review course descriptions and prerequisite information in the undergraduate catalog: <http://www.memphis.edu/ugcatalog/>.

Withdrawing/Repeating Courses

Most professional schools take into account all grades earned including any repeated courses. This means that the professional school will consider both your old grade and new grade in your overall GPA calculation. You should avoid withdrawals after the first week of class when possible. A pattern of withdrawals and repeated courses should be avoided as professional schools will view this with concern. Poor planning may end up costing you in terms of time, money, and lost opportunities. Student involvement, volunteering, shadowing experience, work, etc. are all important aspects to a well-rounded applicant but should enhance rather than harm your GPA.

GAINING EXPERIENCE

Why Should I Get Involved?

There are many elements involved in becoming a competitive candidate for professional school. In addition to superior grades and strong performance on the required entrance exam, work experience, community service, evidence of leadership ability, and overall experiences in healthcare are important factors that enhance your chances for admission. Related volunteer, research, work, and shadowing experience helps you demonstrate to professional schools that you are dedicated, motivated, and have given significant thought to your career goals. It is also important to note that the quality of the experiences is more important than the quantity; seek experiences that provide you with patient interaction in a variety of settings.

U of M Student Organizations

The U of M provides students several different opportunities to get involved in a pre-health student organization. Contact information for each group can be found in the Registered Student Organization database:

<https://saweb.memphis.edu/rsoreg/RSOList.asp>.

- Alpha Epsilon Delta National Health Preprofessional Honor Society
- Minority Association of Pre-Medical Students (MAPS)
- Non-Traditional Pre-Health Society
- Pre-Dental Society
- Pre-Veterinary Club
- Tigers for Organ Donation

Research

Research at the undergraduate level is imperative if you plan to pursue admission for a dual degree (MD/PhD) or want to aim to have a career in medical research. Research can add to your overall competitiveness as an applicant and gives you an additional source for seeking recommendation letters.

Speak with faculty in the field you are interested in to see what research opportunities may be available to you.

Shadowing

Shadowing is an excellent opportunity for you to experience a “typical day” for a professional in your field of interest. Certain programs, including occupational therapy, physical therapy, osteopathic medicine, and physician assistant, all require shadowing as part of the application process and some programs mandate a minimum number of hours.

Volunteering

Volunteers are always needed and there is no shortage of healthcare facilities in Memphis for you to gain experience. It may be to your benefit to contact and visit several places to ensure you find one that best meets your needs as a pre-health student. Be mindful that volunteering does not necessarily need to take place in the hospital setting. A partial list of volunteer opportunities to help get you started is available on the pre-health website: <http://www.memphis.edu/cas/internship.htm>.

APPLICANT INFORMATION

Applying to Professional School

It cannot be stated often enough: it is your responsibility to become familiar with all requirements and steps necessary for a competitive and complete application to professional school(s) of your choice! For the majority of professional programs, applicants traditionally apply during the summer prior to their final year of as an undergraduate. This may vary depending on your program and school of interest.

The Application

Centralized application services exist for dentistry, medicine, optometry, pharmacy, physical therapy, physician assistant, podiatry, and veterinary medicine. You must check with the school(s) you are applying to as not all schools use these centralized services. In most cases an application fee must accompany the application in order for it to be processed and considered by the professional school.

Once you have begun the application process, it is your responsibility to ensure that the admissions application is complete and that the professional school has received all required documents.

- Dentistry: <https://portal.aadsasweb.org/>
- Medicine: <http://www.aamc.org/audienceamcas.htm>
- Occupational Therapy: <https://portal.otcas.org/>
- Optometry: <http://www.optomcas.org/>
- Osteopathic Medicine: <https://aacomas.aacom.org/>
- Pharmacy: <http://www.pharmcas.org/>
- Physician Assistant: <https://portal.caspaonline.org/>
- Physical Therapy: <http://www.ptcas.org/>
- Podiatry: <http://www.e-aacpmas.org/>
- Veterinary Medicine: <http://www.aavmc.org/vmcas/vmcas.htm>

National Entrance Exams

Applicants to most professional schools are required to submit scores from specific entrance tests. It is important that you never take the test as a "trial run" as every attempt on the test is reported to the school(s)/program(s) to which you apply. Adequate preparation minimizes the risk of having an unsatisfactory score play a role in the equation. There are a number of companies that offer test prep including Kaplan, Knewton, and Princeton as well as various printed study materials. The University of Memphis does not suggest any one particular method of test preparation over another and encourages students to research all options and devise a study plan that works best for each individual.

- DAT (Dentistry): <http://www.ada.org/dat.aspx>
- MCAT (Medicine): <http://www.aamc.org/students/mcat/start.htm>
- OAT (Optometry): <https://www.ada.org/oat/index.html>
- PCAT (Pharmacy): <http://www.pearsonassessments.com/haiweb/Cultures/en-US/Site/Community/PostSecondary/Products/pcat/subpages/introduction.htm>
- GRE (Professional schools vary; typically required for Occupational Therapy, Physical Therapy, and Physician Assistant): <http://www.ets.org/gre>

APPLICANT INFORMATION PART II

Pre-Professional Composite Packet

The University of Memphis has pre-health and pre-med committees which will evaluate students applying to professional schools and author a committee letter on their behalf. These committees are made up of variety of U of M faculty members and the Pre-Professional Advisor.

If you are applying to professional schools that require a committee letter, you should schedule an appointment with the Pre-Professional Advisor to pick up your composite packet at least 18 months prior to the academic year you wish to start professional school. The composite packet outlines the steps required to obtain a committee letter.

Currently all US medical schools accept committee letters. If you are not sure if the professional schools you are applying to accept committee letters, check with them as you do not want to waste time completing the composite packet for the committee letter if they prefer you to have individual letters sent instead.

The components of the composite packet are:

- Right of Access Waiver Form (handout in packet)
- Personal Data Form (handout in packet)
- Copy of Personal Statement
- Copy of Entrance Exam Information
- Transcripts (non U of M only)
- Recommendation Forms (in packet; will need at least three letters and two of the three should be from science faculty)
- Committee Interview

Once your personal statement is on file, you may interview with a member of the pre-med or pre-health committee. Students applying to allied health programs which require a committee letter will interview with the Pre-Professional Advisor. This interview gives you the opportunity to participate in a mock interview while providing the committee member with additional insight and information to bring before the committee.

When your entire composite packet is complete (all components must be on file and your interview done), your file will go before the committee at the next scheduled committee meeting. The committee writes a recommendation based on your level of preparedness for professional school and the likelihood of your success if admitted. The committee letter, along with the recommendation forms that have been turned in on your behalf, is forwarded to the professional schools you are applying to within five business days of the committee meeting.

Letter of Good Standing

A committee letter is not processed for students who have completed fewer than 30 semester hours at The University of Memphis. If you fall into this category, you can contact the Pre-Professional Advisor to request a letter of good standing be sent on your behalf.

APPLICANT INFORMATION PART III

Letters of Recommendation

Letters of recommendation are an important aspect of the pre-professional composite, which is required for a committee letter. In addition to letters from faculty, some professional schools may require letters of recommendation from practitioners in the field to which the student is applying. Potential letter writers include:

- Professors in your major
- Professors who have supervised research you have been involved in (Remember, if you are applying to MD/PhD programs you should have at least two letters related to your research)
- Professors from classes you have enjoyed and been successful in
- Dentists, doctors, physician assistants, physical therapists, etc.

Always make sure you ask for letters of recommendation well ahead of deadlines. Providing your letter writer with a copy of your resume and a stamped envelope (for those off-campus) is common practice. You should approach every class and experience with the intent to seek a letter of recommendation from that faculty member, supervisor, physician, etc. To that end, get to know your professors. Take advantage of office hours, sit in the front, and ask questions; in short, be an active learner.

Personal Statement

Most professional schools require submission of a personal statement with the application. The pre-professional advisor has sample essays available for your review in addition to holding several personal statement workshops each spring. Your personal statement is your chance to present yourself (aside from your GPA and test scores) to the admissions committee prior to being invited for an interview.

Secondary Applications

Many professional schools (and almost all medical schools) require a secondary application that is sent directly to you after receipt of your primary application. It is at this stage that each school has its own procedures and processes for reviewing applications and scheduling interviews, so there is no set timeline. Some schools will contact all applicants automatically (meaning you may or may not have passed preliminary screening) while others are more selective in whom they invite to complete secondary applications. You should work on completing your secondary applications as quickly as possible so that your application can move ahead to the next step of the process.

Professional School Interview

A personal interview is an integral part of the admissions procedure at most professional schools. Interviewers look for indicators of motivation, maturity, commitment, and insight into the student's chosen profession; the development and articulation of goals are two such indicators. It is important that you dress professionally and arrive promptly. Be prepared to discuss any aspect of your application including your personal statement and healthcare experiences.

PRE-HEALTH RESOURCES

Websites

Additional resources available in 107 Scates Hall and on the pre-health website:

http://www.memphis.edu/cas/pre_health.htm.

Pre-Health Career Exploration

- Explore Health Careers: <http://www.explorehealthcareers.com>

Allied Health

- The University of Tennessee Health Science Center College of Allied Health Sciences: <http://www.uthsc.edu/allied/>
- Baptist College of Health Sciences: <http://www.bchs.edu/>

Dentistry

- ADEA (American Dental Education Association): <http://www.adea.org>
- The University of Tennessee College of Dentistry: <http://www.uthsc.edu/dentistry/>

Medicine

- AAMC: Association of Medical Colleges: <http://www.aamc.org/students/start.htm>
- The University of Tennessee: <http://www.uthsc.edu/Medicine/>
- East Tennessee State University: <http://www.etsu.edu/com/>

Optometry

- ASCO (Association of Schools and Colleges of Optometry) <http://www.opted.org>
- Southern College of Optometry: <http://www.sco.edu/>

Osteopathic Medicine

- AACOM (American Association of Colleges of Osteopathic Medicine): <http://www.aacom.org/>

Pharmacy

- AACP (American Association of Colleges of Pharmacy): <http://www.aacp.org/>
- The University of Tennessee Health Science Center College of Pharmacy: <http://www.uthsc.edu/pharmacy/>

Physician Assistant

- AAPA (American Association of Physician Assistants): <http://www.aapa.org/education-and-certification/physician-assistant-programs>

Physical Therapy

- APTA (American Physical Therapy Association): <http://www.apta.org>

Podiatry

- APMA (American Podiatric Medical Association) : <http://www.apma.org/Members/Education/PodiatricMedicalColleges.aspx>

Veterinary Medicine

- AVMA (American Veterinary Medicine Association): <http://www.avma.org/>
- The University of Tennessee College of Veterinary Medicine: <http://www.vet.utk.edu/>

CHIROPRACTIC MEDICINE
Chiropractic Colleges in the United States
The Council on Chiropractic Medicine

The practice of chiropractic medicine focuses on the relationship between structure (primarily the spine) and function (as coordinated by the nervous system) and how that relationship affects the preservation and restoration of health. In addition, doctors of chiropractic medicine recognize the value and responsibility of working in cooperation with other health care practitioners when in the best interest of the patient.

The prerequisite for admission to the doctor of chiropractic medicine program is a **minimum of 90 semester hours** of undergraduate credits with a minimum 2.5 cumulative grade point average in the prerequisite courses. Students must earn a C or higher in all required courses. These credits must have been earned at an institution that is accredited by an accrediting body recognized by the U.S. Department of Education or a college deemed acceptable to the school(s) to which you are applying.

Class size: Varies by school

Application deadline: Varies by school

Entrance test required: None

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
 ENGL 1020 (1102) Composition _____ (3)

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)
 PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

MATHEMATICS

MATH 1720* (1212) Trig *or equivalent* _____ (3)
 *Prerequisite for PHYS 2010

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
 CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
 CHEM 3310**/3301 Organic/Lab _____ (4)
 CHEM 3511/3501 Bioorganic/Lab _____ (4)
 *Prerequisite for BIOL 1110/1111
 **Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
 BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

PSYCHOLOGY (3 hours)

_____ (3)

SOCIAL SCIENCES/HUMANITIES

(15 hours)

_____ (3)
 _____ (3)
 _____ (3)
 _____ (3)
 _____ (3)

**MASTER OF CYTOPATHOLOGY PRACTICE (MCP) DEGREE PROGRAM
OFFERING CERTIFICATION IN CYTOTECHNOLOGY & HISTOTECHNOLOGY**

*The University of Tennessee Health Science Center
(<http://www.uthsc.edu/allied/ct/index.php>)*

Cytotechnologists and histotechnologists are highly skilled laboratory professionals who prepare and process tissue and cellular material for evaluation, as well as examine body tissue cells microscopically in order to identify abnormalities. These professionals are primarily concerned with cancer detection.

The University of Tennessee Health Science Center (UTHSC), located in Memphis, offers a 3+2 program that leads to a MCP degree. Prospective students must complete a **minimum of 85 semester hours** at the University of Memphis and apply to UTHSC for the completion of the program. **At least 16 hours of the minimum 85 hours must be upper division, with a minimum of 15 upper division hours in Biology.** Admission is competitive and not guaranteed.

Class size: 5 per year

Deadline Date: January 30 for the following August class (late applications are possible if positions are available)

Test Required: GRE for applicants with a grade point average lower than 3.0

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

- ENGL 1010 (1101) Composition _____ (3)
 - ENGL 1020 (1102) Composition _____ (3)
 - ENGL 2201 or 2201 Literary Heritage* _____ (3)
- *Comm 2381 may be substituted

MATHEMATICS

- MATH 1710 (1211) or higher _____ (3)

CHEMISTRY

- *CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
 - CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
- *Prerequisite for BIOL 1110/1111

LIFE SCIENCES

- BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
- BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

Social Sciences (12 hours)

- Any combination of Psychology, Sociology, History, Philosophy, Political Science, etc.
- _____ (3)
 - _____ (3)
 - _____ (3)
 - _____ (3)

*BIOLOGY (Minimum 15 hours)

- Recommended courses include:
histology, cell biology, genetics, and immunology.
- BIOL 3030 Animal Phys _____ (4)
 - BIOL 3130 Cell _____ (3)
 - BIOL 3072/3073 Genetics/Lab _____ (4)
 - BIOL 3610 Vert Emb _____ (4)
 - BIOL 3620 Comp Anat _____ (5)
 - BIOL 3730 Vert Phys _____ (4)
 - BIOL 3800 Parasitology _____ (4)
 - BIOL 4380 Histology _____ (4)
 - BIOL 3500/3505 Micro/Lab _____ (5)
 - BIOL 4445 Immunology _____ (3)
 - BIOL 4511 Biochemistry _____ (3)

*Will need to check prerequisites for each course.

- Recommended Electives
- BIOL 2010/2011 (1751/1752) A&P I/Lab _____ (4)
 - BIOL 2020/2021 (1761/1762) A&P II /Lab _____ (4)

DENTAL HYGIENE

The University of Tennessee Health Science Center

(<http://www.uthsc.edu/allied/dh/index.php>)

Successful completion of **58 semester hours** with a **minimum GPA of 2.5 is required** for application to the Dental Hygiene Program at The University of Tennessee Health Science Center. Admission is competitive and not guaranteed. A GPA of least 3.0 in required courses is recommended to be competitive.

Class size: 30 per year

Deadline date: February 15 for August class of the same year.

Entrance test required: None

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school to ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
 ENGL 1020 (1102) Composition _____ (3)
 ENGL 2201 or 2202 Literary Heritage _____ (3)

COMMUNICATION

COMM 2381 Oral Communication _____ (3)

NUTRITION

NUTR 2202 Nutrition _____ (3)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
 CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
 *Prerequisite for BIOL 1110/1111

OR

**CHEM 1010/1011 Chem of Materials _____ (4)
 CHEM 1020/1021 Chem of Life _____ (4)

**This sequence is accepted by UTHSC in place of CHEM 1110/1111 and CHEM 1120/1121. Students must complete the entire sequence AND request a permit from the BIOL department to enroll in BIOL 1110/1111.

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
 BIOL 1230/1231 Micro/Lab _____ (4)
 BIOL 2010/2011 (1751/1752) A&P/Lab _____ (4)
 BIOL 2020/2021 (1761/1762) A&P/Lab _____ (4)

SOCIAL SCIENCES (12 hours)

(Must include at least 3 hours of Psychology and 3 hours of Sociology)

_____ (3)
 _____ (3)
 _____ (3)
 _____ (3)

Recommended Electives (7 hours of electives needed)

COMPUTER SCIENCE

COMP 1200 Comp Literacy _____ (4)

MATHEMATICS

MATH 1710(1211) Col. Algebra _____ (3)

SPANISH

SPAN 1010 Elem. Spanish I _____ (3)

BIOLOGY

BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

Additional Electives

_____ (3)
 _____ (3)
 _____ (3)
 _____ (3)
 _____ (3)

Credit in physical education activity, art, and music technique courses is not accepted toward minimum admission requirements.

DENTISTRY

The University of Tennessee Health Science Center
College of Dentistry
(<http://www.uthsc.edu/dentistry/>)

A **minimum of 97 semester hours** is required to be considered for admission to the College of Dentistry. Applicants, however, are urged to obtain a **baccalaureate degree** prior to entry. The DAT must be taken within five years of application. A grade of C or higher is required in all prerequisite courses.

Class size: 82

Application deadline: October 31 for the following fall class

Entrance test required: DAT

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

MATHEMATICS

MATH 1720* (1212) Trig or equivalent _____ (3)

*Prerequisite for PHYS 2010

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)

CHEM 1120/1121 (1132/1122) General/Lab _____ (4)

CHEM 3310**/3301 Organic/Lab _____ (4)

CHEM 3511/3501 Bioorganic/Lab _____ (4)

CHEM 4511 Biochemistry I _____ (3)

*Prerequisite for BIOL 1110/1111

**Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)

BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

Select One:

BIOL 3500/3501 Microbiology/Lab _____ (4)

BIOL 3620 Comparative Anatomy _____ (4)

BIOL 4380 Histology _____ (4)

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)

PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

Recommended Electives

The College of Dentistry states, "In addition to the required courses, elective courses can be chosen from the following: genetics, comparative anatomy, developmental biology, cell biology, histology, microbiology, molecular biology, physiology, and neurobiology. Non-science elective courses may be chosen from: philosophy, business administration, economics, public speaking, computer science and courses in the social sciences."

(<http://www.uthsc.edu/dentistry/Admissions/DDS/genpolicy.php>)

ADVANCED SCIENCES

BIOL 3072/3073 Genetics/Lab _____ (4)

BIOL 3130 Cell Biol _____ (3)

BIOL 3500/3505 Micro/Lab _____ (5)

BIOL 3610 Vert Embryology _____ (4)

BIOL 3620 Comparative Anatomy _____ (5)

BIOL 3730 Vert Physiology _____ (4)

BIOL 4380 Histology _____ (4)

SOCIAL SCIENCES/HUMANITIES/LANGUAGE/ FINE ARTS/BUSINESS

_____ (3)

_____ (3)

_____ (3)

_____ (3)

_____ (3)

MEDICAL TECHNOLOGY

The University of Tennessee Health Science Center

(<http://www.uthsc.edu/allied/mt/>)

Medical Technologists are laboratory scientists who use a variety of sophisticated instruments to perform tests on body fluids and tissues to obtain data on which a diagnosis of health or disease is made and appropriate therapy indicated. Prospective students must complete a **minimum of 61 semester hours** at The University of Memphis and apply to The University of Tennessee Health Science Center to complete the professional components of the baccalaureate degree. Applicants must have a minimum grade point average of 2.0 to apply. Admission is competitive and not guaranteed.

Class size: 20 per year

Deadline Date: December 1 for the following September class

Test Required: None

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
ENGL 1020 (1102) Composition _____ (3)

MATHEMATICS

MATH 1710 (1211) College Algebra _____ (3)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
CHEM 3310**/3301 Organic/Lab _____ (4)
CHEM 3511/3501 Bioorganic/Lab _____ (4)
*Prerequisite for BIOL 1110/1111
**Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
BIOL 1120/1121 (1161/1162) General/Lab _____ (4)
Choose One:
BIOL 2010/2011 (1751/1752) A&P/Lab _____ (4)
BIOL 3730 Vert Physiology _____ (4)

Recommended Electives (Minimum 24 hours needed)

Applicants are encouraged to take courses in the arts, humanities, and social sciences.

_____ (3)

Credit in physical education activity, art, and music technique courses is not accepted toward minimum admission requirements.

MEDICINE

The University of Tennessee Health Science Center
College of Medicine
(<http://www.uthsc.edu/Medicine/>)

A **minimum of 90 semester hours** is required to be considered for admission to the College of Medicine. Electives are recommended so the student will acquire a broad cultural background and at the same time fulfill basic degree requirements. Applicants are urged to obtain a baccalaureate degree prior to entry. The MCAT must be taken within five years of application. A grade of C or higher is required in all prerequisite courses.

Class size: 165

Application deadline: November 15th for the following fall class

Entrance test required: MCAT

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
ENGL 1020 (1102) Composition _____ (3)

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)
PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

MATHEMATICS

MATH 1720* (1212) Trig or equivalent _____ (3)
*Prerequisite for PHYS 2010

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
CHEM 3310**/3301 Organic/Lab _____ (4)
CHEM 3511/3501 Bioorganic/Lab _____ (4)
*Prerequisite for BIOL 1110/1111
**Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

Recommended Electives

According to UTHSC, "[...] a student should acquire a broad cultural background in the pre-medical preparation. The behavioral sciences, including psychology, sociology, etc., are considered valuable. Additional dimensions are derived from higher mathematics, computer sciences, languages, literature, philosophy, history, political science, economics, etymology and statistics."
(<http://www.uthsc.edu/Medicine/Admissions/index.php?doc=admissions%20requirements.htm>)

ADVANCED SCIENCES

CHEM 4511 Biochem I _____ (3)
CHEM 4512 Biochem II _____ (3)
BIOL 3072/3073 Genetics/Lab _____ (4)
BIOL 3130 Cell Biol _____ (3)
BIOL 3500/3505 Micro/Lab _____ (5)
BIOL 3620 Comp Anatomy _____ (5)
BIOL 3730 Vert Physiology _____ (4)
BIOL 4380 Histology _____ (4)
BIOL 4445 Immunology _____ (3)

MATHEMATICS

Select One:
MATH 1830 (1312) Element Calc _____ (3)
MATH 1910 (1321) Calc I _____ (4)

SOCIAL SCIENCES/HUMANITIES/LANGUAGE/ HISTORY/FINE ARTS

_____ (3)
_____ (3)
_____ (3)
_____ (3)

CHEM 4511 (Biochemistry) and PHIL 3514 (Biomedical Ethics) strongly recommended.

*James H. Quillen College of Medicine
East Tennessee State University
(<http://www.etsu.edu/com>)*

A **minimum of 90 semester hours** is required to be considered for admission to the College of Medicine. Electives are recommended so the student will acquire a broad cultural background and at the same time fulfill basic degree requirements. Applicants are urged to obtain a baccalaureate degree prior to entry. The MCAT must be taken within two years of application.

Class size: 72

Application deadline: November 15th for the following fall class

Entrance test required: MCAT

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

Select One:

ENGL 2201 Literary Heritage _____ (3)

ENGL 2202 Literary Heritage: African American _____ (3)

COMM 2381 Oral Communication _____ (3)

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)

PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

MATHEMATICS

MATH 1720* (1212) Trig *or equivalent* _____ (3)

*Prerequisite for PHYS 2010

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)

CHEM 1120/1121 (1132/1122) General/Lab _____ (4)

CHEM 3310**/3301 Organic/Lab _____ (4)

CHEM 3511/3501 Bioorganic/Lab _____ (4)

*Prerequisite for BIOL 1110/1111

**Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)

BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

Recommended Electives

ETSU states, "Undergraduate courses such as statistics, philosophy and logic that will contribute to an applicant's ability to think clearly, make reasoned decisions, and apply knowledge are recommended. Also strongly recommended are courses that augment the required sciences, such as biochemistry, comparative anatomy, and physiology."

(<http://www.etsu.edu/com/sa/admissions/requirements/academicreq.aspx>)

ADVANCED SCIENCES

CHEM 4511 Biochem I _____ (3)

CHEM 4512 Biochem II _____ (3)

BIOL 3072/3073 Genetics/Lab _____ (4)

BIOL 3130 Cell Biol _____ (3)

BIOL 3500/3505 Micro/Lab _____ (5)

BIOL 3610 Vert Embryology _____ (4)

BIOL 3620 Comp Anatomy _____ (5)

BIOL 3730 Vert Physiology _____ (4)

BIOL 4380 Histology _____ (4)

BIOL 4445 Immunology _____ (3)

MATHEMATICS

Select One:

MATH 1830 (1312) Element Calc _____ (3)

MATH 1910 (1321) Calc I _____ (4)

SOCIAL SCIENCES/HUMANITIES/LANGUAGE/
HISTORY/FINE ARTS/STATISTICS

_____ (3)

_____ (3)

_____ (3)

_____ (3)

_____ (3)

OCCUPATIONAL THERAPY

The University of Tennessee Health Science Center
The University of Tennessee Chattanooga
(<http://www.uthsc.edu/allied/ot/>)

The University of Tennessee offers the Master of Occupational Therapy at both the Health Science Center in Memphis and Chattanooga. Applicants who wish to enter the MOT program must complete a **minimum of 90 semester hours** including the prerequisite courses outlined below. Completion of a baccalaureate degree is optional. Applicants must have a grade point average of 2.5 to apply; a grade point average of 3.0 is recommended to be competitive.

Class size: 30 per year

Application deadline: May 1 for UTHSC (spring start)

Entrance test required: GRE

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school to ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
ENGL 1020 (1102) Composition _____ (3)
COMM 2381 Oral Communication _____ (3)

MATHEMATICS

MATH 1720* (1212) or equivalent _____ (3)
*Prerequisite for PHYS 2010

PHYSICS

PHYS 2010/2011(2110/2001) General/Lab _____ (4)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
*Prerequisite for BIOL 1110/1111

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
BIOL 1120/1121 (1161/1162) General/Lab _____ (4)
BIOL 2010/2011 (1751/1752) A&P/Lab _____ (4)
BIOL 2020/2021 (1761/1762) A&P/Lab _____ (4)

COMPUTER LITERACY

COMP 1200 or proof of equivalent knowledge _____ (4)

SOCIAL SCIENCES

PSYC 1200 General _____ (3)
EDPR 2111 Devel. Life Span _____ (3)
PSYC 3102 Abnormal Psych _____ (3)
SOCI Elective _____ (3)
ANTH Elective _____ (3)
ECON/Government Elective _____ (3)
(ECON 2110, 2120, POLS 1100, 1101, 1102)

HUMANITIES (9 hours)

Recommended courses include: Spanish, Fine Arts, Literature, Logic (philosophy), Ethics (philosophy)
_____ (3)
_____ (3)
_____ (3)

SCIENTIFIC TERMINOLOGY

CLAS 3021* _____ (3)
*An online course is also acceptable

STATISTICS

(Select from: ISDS 2710, MATH 1530, MATH 4611, PSYC 3001, SOCI 3311, EDPR 4541*)
*if selected, must complete all units/tests
_____ (3)

Recommended Electives

EXSS 3405 Kinesiology _____ (3)

Courses in foreign language, technical or critical writing, education, computer skills, fine and performing arts

Optometry
Southern College of Optometry
 (<http://www.sco.edu>)

Although a **minimum of 90 semester hours** is required for admission to Southern College of Optometry, over 95% of each entering class will have earned a baccalaureate degree and preference for admission is given to applicants with a baccalaureate degree or higher. SCO uses a rolling admissions format and students are encouraged to apply as early as possible.

Class size: 120 per year

Application deadline: March 1 for fall of same year (Preference is given to students who apply earlier)

Entrance test required: OAT

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
 ENGL 1020 (1102) Composition _____ (3)

MATHEMATICS

MATH 1720* (1212) Trig *or equivalent* _____ (3)
 Choose One:
 MATH 1830 (1312) Elementary Calculus _____ (3)
 Math 1910 (1321) Calculus I _____ (4)
 *Prerequisite for PHYS 2010

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
 BIOL 1120/1121 (1161/1162) General/Lab _____ (4)
 Choose One:
 BIOL 1230/1231 (1451/1452) Micro/Lab _____ (4)
 BIOL 3500/3501 Micro I/Lab _____ (5)

PHYSICS

PHYS 2010/2011(2110/2001) General/Lab _____ (4)
 PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
 CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
 CHEM 3310**/3301 Organic/Lab _____ (4)
 ***CHEM 3511/3501 Bioorganic/Lab _____ (4)
 CHEM 4511 Biochemistry _____ (3)
 *Prerequisite for BIOL 1110/1111
 **Formerly CHEM 3311
 ***Prerequisite for CHEM 4511

SOCIAL SCIENCES (6 hours)

Recommended courses include:
 Sociology, Philosophy, Political
 Science, Anthropology, Economics,
 History, Religion, Geography, Psychology
 _____ (3)
 _____ (3)

PSYCHOLOGY

PSYC 1200 General _____ (3)

STATISTICS

(Select from: MATH 1530, MATH 4611,
 PSYC 3001, SOCI 3311, ISDS 2710, EDPR 4541)
 _____ (3)

Recommended Electives

BIOL 3130 Cell Biology _____ (3)
 BIOL 3620 Comp Anatomy _____ (5)
 BIOL 3730 Vert Physiology _____ (4)

OSTEOPATHIC MEDICINE

American Association of Colleges of Osteopathic Medicine

(www.aacom.org)

Osteopathic medicine is a distinct form of medical practice in the United States. Osteopathic medicine provides all of the benefits of modern medicine including prescription drugs, surgery, and the use of technology to diagnose disease and evaluate injury. It also offers the added benefit of hands-on diagnosis and treatment through a system of therapy known as osteopathic manipulative medicine. Osteopathic medicine emphasizes helping each person achieve a high level of wellness by focusing on health promotion and disease prevention. (<http://publish.aacom.org/about/osteomed/Pages/default.aspx>)

A **minimum of 90 semester hours** is required for acceptance to a college of osteopathic medicine although applicants are strongly encouraged to obtain a baccalaureate degree prior to entry. Emphasis is placed on the quality of earned coursework rather than the specific major in which it was done.

Class size: Varies by school

Application deadline: Varies by school

Entrance test required: MCAT

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
ENGL 1020 (1102) Composition _____ (3)

MATHEMATICS

MATH 1720* (1212) Trig or equivalent _____ (3)
*Prerequisite for PHYS 2010

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)
PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
CHEM 3310**/3301 Organic/Lab _____ (4)
CHEM 3511/3501 Bioorganic/Lab _____ (4)
*Prerequisite for BIOL 1110/1111
**Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

Recommended Electives

ENGLISH

ENGL 2201 or 2202 Literary Her _____ (3)

ADVANCED SCIENCES

CHEM 4511 Biochem I _____ (3)
CHEM 4512 Biochem II _____ (3)
BIOL 3072/3073 Genetics/Lab _____ (4)
BIOL 3130 Cell Biol _____ (3)
BIOL 3500/3505 Micro/Lab _____ (5)
BIOL 3620 Comp Anatomy _____ (5)
BIOL 3730 Vert Physiology _____ (4)
BIOL 4380 Histology _____ (4)
BIOL 4445 Immunology _____ (3)

MATHEMATICS

Select One:
MATH 1830 (1312) Elem Calc _____ (3)
MATH 1910 (1321) Calc I _____ (4)

SOCIAL SCIENCES/HUMANITIES/LANGUAGE/ HISTORY/FINE ARTS

_____ (3)
_____ (3)
_____ (3)
_____ (3)
_____ (3)

PHARMACY

The University of Tennessee Health Science Center

College of Pharmacy

(<http://www.uthsc.edu/pharmacy/>)

The prerequisite for admission to the College of Pharmacy is a **minimum of 90 undergraduate semester hours**; however, due to the high volume of applicants, preference is given to students completing a baccalaureate degree or who are completing a 3+1 program. Applicants must have a minimum 2.5 grade point average and earn a C or higher in all prerequisite courses. All science, calculus, or statistics courses should be courses which are suitable for science majors intending graduate study or for pre-medical/pre-dental students. Credit in physical education activity, ROTC, and music technique courses is not accepted toward minimum admission requirements.

Class size: 175

Application deadline: February 1st for fall of same year

Entrance test required: PCAT; students are encouraged to take the PCAT during the summer or fall preceding the year they are seeking admission.

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES (Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

COMMUNICATION

COMM 2381 Oral Communication _____ (3)

MATHEMATICS

MATH 1720* (1212) Trig or equivalent _____ (3)

Choose one:

MATH 1830 (1312) Elementary Calculus _____ (3)

Math 1910 (1321) Calculus I _____ (4)

*Prerequisite for PHYS 2010

PHYSIC

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)

CHEM 1120/1121 (1132/1122) General/Lab _____ (4)

CHEM 3310**/3301 Organic/Lab _____ (4)

CHEM 3511/3501 Bioorganic/Lab _____ (4)

CHEM 4511 Biochem I _____ (3)

CHEM 4512 Biochem II _____ (3)

*Prerequisite for BIOL 1110/1111

**Formerly CHEM 3311

(Previous completion of Organic Chemistry I and II may also be acceptable)

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)

BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

*BIOL 3500/3505 Microbiology I _____ (5)

(See an advisor if you have already completed a Microbiology course.)

BIOL 4445 Immunology _____ (3)

Choose one of the following sequences:

BIOL 2010/2011 (1751/1752) A&P I/Lab _____ (4)

BIOL 2020/2021 (1761/1762) A&P II/Lab _____ (4)

OR

BIOL 3620 Comparative Anatomy _____ (5)

BIOL 3730 Vertebrate Physiology _____ (4)

HUMANITIES (6 hours)

Select courses from Literature, Language, History, Philosophy, and Fine Arts

_____ (3)

_____ (3)

SOCIAL SCIENCES (6 hours)

Select courses from Anthropology, Economics, Psychology, Political Science, and Sociology

_____ (3)

_____ (3)

STATISTICS

(Select from: ISDS 2710, MATH 4611, PSYC 3001, EDPR 454, SOCI 3311)

_____ (3)

PHYSICAL THERAPY

The University of Tennessee Health Science Center
(<http://www.uthsc.edu/allied/pt/>)

The University of Tennessee Health Science Center offers an entry-level doctorate program in physical therapy. Completion of a baccalaureate degree and the below prerequisite courses are required for admission. Applicants must have a grade point average of 2.75 to apply; a grade point average of 3.20 is recommended to be competitive.

Class size: 66 per year

Application deadline: Early deadline is November 1 and Regular deadline is January 15 for September of the same year

Entrance test required: GRE

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
ENGL 1020 (1102) Composition _____ (3)

PSYCHOLOGY*

PSYC 1200 General _____ (3)
Choose One:
PSYC 3103 Child Psyc _____ (3)
EDPR 2111 Devel Life Span _____ (3)

*If students complete PSYC 1101/1102, these courses will serve in lieu of PSYC 1200/EDPR 2111

MATHEMATICS

MATH 1720* (1212) *or equivalent* _____ (3)
*Prerequisite for PHYS 2010

PHYSICS

PHYS 2010/2011(2110/2001) General/Lab _____ (4)
PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
CHEM 1120/1121 (1132/1122) General/Lab _____ (4)
*Prerequisite for BIOL 1110/1111

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)
BIOL 1120/1121 (1161/1162) General/Lab _____ (4)
BIOL 2010/2011 (1751/1752) A&P/Lab _____ (4)
BIOL 2020/2021 (1761/1762) A&P/Lab _____ (4)

SOCIAL SCIENCES/HUMANITIES (12 hours)

Recommended courses include: Fine Arts, Literature, Logic (philosophy), Sociology, Foreign Language, Abnormal PSYC, Philosophy, Political Science, Anthropology, Economics, Art History, Religion
_____ (3)
_____ (3)
_____ (3)
_____ (3)

STATISTICS

(Select from: MATH 1530, MATH 4611, PSYC 3001, SOCI 3311)
_____ (3)

PHYSICIAN ASSISTANT

Various Programs

(http://www.arc-pa.org/acc_programs/)

Physician assistants (PAs) are health professionals licensed to practice medicine with physician supervision. PAs perform a comprehensive range of medical duties, from basic primary care to high-technology specialty procedures. PAs often act as first or second assistants in major surgery and provide pre- and postoperative care. In some rural areas where physicians are in short supply, PAs serve as the primary providers of health care, conferring with their supervising physicians and other medical professionals as needed and as required by law. PAs can be found in virtually every medical and surgical specialty. The PA's responsibilities depend on the type of practice, his or her experience, the working relationship with physicians and other health care providers, and state laws.

(<http://www.aapa.org/about-pas/becoming-a-physician-assistant>)

The four institutions offering a Physician Assistant program in Tennessee are:

Bethel University (<http://www.bethelu.edu/bethelpa/>)

Trevecca Nazarene University (<http://www.trevecca.edu/pa>)

South College (<http://www.southcollegetn.edu/masters/physician-assistant/>)

Lincoln Memorial University-DeBusk College of Osteopathic Medicine (<http://www.lmunet.edu/DCOM/pa/>)

Class size: Varies by school

Application deadline: Varies by school

Entrance test required: Varies by school; many schools, including all TN schools, require the GRE

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

****Please note, this is NOT a complete list of prerequisites nor does it correlate to any one school in particular.****

PREREQUISITES FOR ADMISSION (will vary depending on school)

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)

CHEM 1120/1121 (1132/1122) General/Lab _____ (4)

*Prerequisite for BIOL 1110/1111

PSYCHOLOGY

PSYC 1200 General _____ (3)

EDPR 2111 Developmental _____ (3)

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)

BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

BIOL 2010/2011 (1751/1752) A&P/Lab _____ (4)

BIOL 2020/2021 (1761/1762) A&P/Lab _____ (4)

Choose One:

BIOL 1230/1231 (1451/1452) Micro/Lab _____ (4)

BIOL 3500/3501 Micro I/Lab _____ (5)

PODIATRY

American Association of Colleges of Podiatric Medicine
(www.aacpm.org)

Doctors of Podiatric Medicine (DPMs) are responsible for the prevention, diagnosis, and treatment of conditions associated with the ankle and foot. There are currently eight colleges and more than 200 hospitals and institutions available for postdoctoral training in the field.

A **minimum of 90 semester hours** is required for acceptance to a college of podiatric medicine although applicants are strongly encouraged to obtain a baccalaureate degree prior to entry. Emphasis is placed on the quality of earned coursework rather than the specific major in which it was done.

Class size: Varies by school

Application deadline: Priority deadline April 1st for fall of same year; final deadline June 30th

Entrance test required: MCAT; some schools will accept DAT or GRE instead

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

MATHEMATICS

MATH 1720* (1212) Trig or equivalent _____ (3)

*Prerequisite for PHYS 2010

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)

PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)

CHEM 1120/1121 (1132/1122) General/Lab _____ (4)

CHEM 3310**/3301 Organic/Lab _____ (4)

CHEM 3511/3501 Bioorganic/Lab _____ (4)

*Prerequisite for BIOL 1110/1111

**Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)

BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

Recommended Electives

CHEMISTRY

CHEM 4511 Biochem _____ (3)

LIFE SCIENCES

BIOL 3130 Cell Biology _____ (3)

BIOL 3072 Genetics _____ (3)

BIOL 3620 Comp Anatomy _____ (5)

BIOL 3730Vert Physiology _____ (4)

ENGLISH/COMMUNICATIONS

ENGL 2201 or 2202 Literary Her _____ (3)

COMM 2381 Oral Comm _____ (3)

SOCIAL SCIENCES/HUMANITIES

_____ (3)

_____ (3)

_____ (3)

_____ (3)

RESPIRATORY CARE

The University of Arkansas for Medical Sciences
(<http://www.uams.edu/chrp/respiratorycare>)

The University of Arkansas for Medical Sciences offers a Bachelor of Science in Cardio-Respiratory Care at the Batesville, Little Rock, and Texarkana campuses. Applicants must complete a minimum of 62 semester hours including the prerequisite courses outlined below with a grade of C or higher.

Class size: 25 in Little Rock, 5 each in Batesville and Texarkana

Application deadline: May 15 for the fall semester (applications accepted between September 1 and May 15)

Entrance test required: HOAE Exam

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
ENGL 1020 (1102) Composition _____ (3)

COMMUNICATION

COMM 2381 Oral Communication _____ (3)

COMPUTER SCIENCE

Choose One:

COMP 1200 Computer Literacy _____ (4)
MIS 2749 Microcomputers _____ (3)

MATHEMATICS

MATH 1710 (1211) College Algebra *or higher* _____ (3)
MATH 1720* (1212) Trig *or equivalent* _____ (3)
*Prerequisite for PHYS 2010

CHEMISTRY

CHEM 1110/1111 (1131/1121) General/Lab _____ (4)

LIFE SCIENCES

BIOL 2010/2011 (1751/1752) A&P/Lab _____ (4)
BIOL 2020/2021 (1761/1762) A&P/Lab _____ (4)
BIOL 3500/3505 Micro/Lab _____ (5)

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)

FINE ARTS

Select from Art, Music, or Theatre
_____ (3)

HISTORY

American History or U.S. Gov _____ (3)
HIST 1100 _____ (3)
HIST 1120 _____ (3)

HUMANITIES

Select from Phil, Pols, or Literature
_____ (3)

SOCIAL SCIENCES

PSYC 1200 _____ (3)
SOC 1111 _____ (3)

ELECTIVES

_____ (3)
_____ (3)

VETERINARY MEDICINE

The University of Tennessee Knoxville

College of Veterinary Medicine

(www.vet.utk.edu)

Applicants who wish to enter the College of Veterinary Medicine at The University of Tennessee Knoxville must complete a **minimum of 66 semester hours** including the prerequisite courses outlined below. Completion of a baccalaureate degree is optional. Students must earn a C or higher in all required courses and all requirements must be completed by the end of the spring semester in the year applicants plan to enter UTK. Additional biological science courses are strongly recommended.

Class size: 85 per year

Application deadline: October 1 for the following fall

Entrance test required: GRE

Students are strongly encouraged to meet with the pre-professional advisor early in their academic career to discuss plans of study, student involvement, the application process to professional school, etc. Requirements may vary, depending on the school(s) to which a student applies. It is the responsibility of the student to check with each individual school and ensure all requirements are met.

REQUIRED COURSES

(Course numbers in effect prior to fall 2001 are indicated in parentheses)

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

MATHEMATICS

MATH 1720* (1212) Trig or equivalent _____ (3)

*Prerequisite for PHYS 2010

PHYSICS

PHYS 2010/2110 (2110/2001) General/Lab _____ (4)

PHYS 2020/2021 (2120/2002) General/Lab _____ (4)

CHEMISTRY

*CHEM 1110/1111 (1131/1121) General/Lab _____ (4)

CHEM 1120/1121 (1132/1122) General/Lab _____ (4)

CHEM 3310**/3301 Organic/Lab _____ (4)

CHEM 3511/3501 Bioorganic/Lab _____ (4)

CHEM 4511 Biochem _____ (3)

CHEM 4512 Biochem II _____ (3)

*Prerequisite for BIOL 1110/1111

**Formerly CHEM 3311

LIFE SCIENCES

BIOL 1110/1111 (1151/1152) General/Lab _____ (4)

BIOL 1120/1121 (1161/1162) General/Lab _____ (4)

BIOL 3130 Cell Biology _____ (4)

BIOL 3072/3073 Genetics/Lab _____ (4)

SOCIAL SCIENCES/HUMANITIES (18 hours)

_____ (3)

_____ (3)

_____ (3)

_____ (3)

_____ (3)

_____ (3)

Recommended Electives

BIOL 3500/3505 Micro/Lab _____ (5)

BIOL 3620 Comp Anatomy _____ (5)

BIOL 3730 Vert Physiology _____ (4)