



PRE-HEALTH STUDENT GUIDE



THE UNIVERSITY OF
MEMPHIS[®]

College of Arts and Sciences

Updated May 2007

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The Baptist College of Health Sciences (www.bchs.edu) offers degrees in Health Care Management, Medical Radiography, Nuclear Medicine Technology, Radiation Therapy, Diagnostic Medical Sonography, and Respiratory Care. Students should contact the Pre-Health Advisor in Scates Hall 107 in regard to prerequisite courses.

NOTE: Students interested in Nursing should contact the Loewenberg School of Nursing, (Phone: 901-678-2003). Information is available on-line at:

<http://nursing.memphis.edu/home/>

INTRODUCTION

This booklet is intended as a **guide** for prospective and current University of Memphis students whose goal is to pursue a profession in the health sciences. Students should take a pro-active role to make certain they understand course and professional school admissions requirements. Since most University of Memphis students attend professional schools in the local area, emphasis is given to local schools and their requirements. Information related to programs not included in this publication is available in the Pre-Health Advising Office, Scates Hall, Room 107, or from the institutions offering the desired program.

Students must understand that completion of prerequisite courses is not an automatic guarantee of acceptance to professional school. Admission is granted on a highly competitive basis! Although no one can be assured admission, students can maximize their chances for acceptance. These issues are addressed in the remainder of this document.

WHAT MAJOR SHOULD I DECLARE?

Pre-Medicine/Dentistry/Pharmacy/Optometry/Osteopathic/Medicine/Podiatry/Veterinary Medicine/Chiropractic Medicine

At most universities, including the U of M, **pre-medicine/pharmacy/dentistry, etc., are not actual majors, but career intentions.** Students who wish to enter one the above professions are expected to declare a regular major. However, it is important for us to know which of our students are interested in a health science profession. We want to assure that these students receive appropriate academic counseling and that they have access to necessary information and resources. Increasingly, professional schools either require or encourage the students they admit to have completed a four-year degree prior to entry into their program. Although many pre-health students do major in biology or chemistry (and these are excellent majors!), a respectable number of candidates admitted to professional school completed a degree in a non-science major. Regardless of the major, **students admitted to professional school excelled academically, including in the prerequisite science courses, and earned competitive entrance test scores.** We recommend students select their major based on interest and ability. Professional school admissions committees regard well-rounded students highly. The most critical factors to admissions committees when considering candidates for acceptance to their programs are the student's academic performance, entrance test scores, and what is sometimes referred to as the "X-factor," comprised of issues revolving around commitment, motivation, leadership ability, community service, and work experience.

Students whose goal is admission to one of the above professions are expected to meet with the advisor in their major to select their classes and to be cleared for registration. However, they are strongly encouraged to consult with the Pre-Health Advisor whenever they feel she can be of assistance.

Pre-Allied Health (Cytotechnology, Dental Hygiene, Health Information Management, Medical Technology, Occupational Therapy, Physical Therapy)

Most physical therapy (PT) schools have or are upgrading their programs to an entry level doctorate and now require pre-PT students to have completed a four-year degree prior to entry into their program. This means that pre-PT students must select a regular major (see the information for pre-med, etc., students above). All other pre-allied health students should declare their major as **PREPROFESSIONAL/ARTS AND SCIENCES** and meet with the Pre-Health Advisor each semester to plan their class schedule and to be cleared to register.

GRADES

In order to be competitive for admission to professional school, good grades are extremely important. Most professional schools require a minimum grade point average. Because of the high caliber of many of the applicants, students should realize that acceptance with only the minimum grade point average is highly unlikely. Take the time to look at the admissions criteria of the schools you wish to attend and at the median grade point average (GPA) and entrance test scores of the most recently admitted class of students (the entering class profile). This will give you a good idea of what your goal should be in regard to academic performance. Good study habits, time management and prioritizing skills are strong factors in earning good grades.

- A) Generally, professional schools consider science credits over three to five years old outdated.
- B) **REPEATING/DROPPING COURSES:** Most professional schools *average together the first and all subsequent grades earned in repeated courses* when calculating an applicant's GPA. Dropping courses after the first week of classes should be avoided. More than a minimal number of repeats and withdrawals (at best) on a student's academic record will be viewed with concern by professional school admissions committees. Students should select their class schedules carefully each semester, attend class on a regular basis, and keep up with and prepare well for the classes in which they are enrolled.
- C) Most professional schools do not accept physical education activity courses, military science, applied art and applied music courses as fulfillment of elective hours.
- D) One semester of relevant science coursework is sometimes required of applicants who have not been enrolled in a full-time academic program for two or more years prior to proposed enrollment in professional school.
- E) The University of Tennessee College of Allied Health Sciences requires completion of one year of American History in college or high school prior to entry into any of their programs.

PRE-REQUISITE AND CO-REQUISITE COURSE REQUIREMENTS

Certain biology, chemistry, and physics courses require pre-and/or co-requisite classes. These are outlined in the undergraduate *Bulletin* (<http://academics.memphis.edu/bulletin/>). It is the student's responsibility to review this information and to discuss prerequisite requirements and course sequencing with the Pre-Health Advisor and/or the advisor in the student's major.

ON-LINE COURSES

Students should check with their advisor prior to enrolling in any on-line science courses. Professional schools prefer that students gain the in-class hands-on experience offered by the traditional classroom setting and may not accept courses taken on-line as meeting the prerequisite requirement. To avoid potential problems, it is recommended that students check with their advisor prior to taking **any** course on-line.

PRACTICAL EXPERIENCE

Most professional school admission committees consider extracurricular activities of importance. A student's work experience, community service, evidence of leadership ability, and hobbies are important factors that enhance a student's chances for admission. In most pre-health areas, **related volunteer and research/work experience** is extremely important.

CAREER PATH

Have a **contingency plan (Plan B)**. Select an alternate health science profession or a major that will lead to an acceptable career in the event that you are not admitted to the school of your first choice. Majors may be selected from any one of the degree granting colleges. Pre-health students should continue to consult the Pre-Health Advisor, as well as the advisor in their major.

The Pre-Health Office, located in Scates Hall, Room 107, has many publications related to careers in health care. Students are welcome to stop by and review this literature.

PRE-HEALTH NEWS/WORKSHOPS

Notices of meetings, workshops, talks, scholarships, minority programs, internships, job opportunities, etc., of interest to pre-health students will be posted in Scates Hall, Room 107, in key academic departments, and on the pre-health website:

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

Students should check this website **on a weekly basis** for updated information. The site also links students to other relevant websites and to many professional schools across the country.

PRE-MEDICAL HONOR SOCIETY

All qualified pre-health students are encouraged to apply for membership in the U of M chapter of *Alpha Epsilon Delta (AED)*, the national *Health Preprofessional Honor Society*. Eligibility criteria and application forms are available in Scates Hall, Room 107, and on the pre-health website listed above. Membership in *AED* allows pre-health students to meet classmates with common interests and goals and to participate in activities related to their respective career path. Further, it provides an opportunity to develop strong friendships with fellow students.

ALLIED HEALTH STUDENTS

Students seeking admission to one of the programs offered by the UT College of Allied Health Sciences are encouraged to contact the appropriate UT admissions representative early during their pre-professional studies. Literature and contact information are available in the Pre-Health Advising Office, Scates Hall, Room 107.

TENNESSEE INSTITUTE FOR PRE-PROFESSIONALS (Formerly TPEP)

TIP represents a commitment to increase the number of African-American individuals in significantly underrepresented health sciences fields. If you are an African-American Resident of Tennessee and your goal is to be a physician, pharmacist, dentist or veterinarian, contact the Pre-Health Advisor, Scates Hall, Room 107, or the program coordinator identified below:

Director, Tennessee Pre-Health Sciences Program
Office of Health Career Programs
The University of Tennessee-Memphis
790 Madison Avenue, Suite 314
Memphis, TN 38103-9840
Phone: (901) 448-2120 <http://www.utmem.edu/tip/>

APPLYING TO PROFESSIONAL SCHOOL

Students should familiarize themselves with all requirements and steps necessary for a good and complete application to the professional school(s) of their choice. Various aspects of the application process (e.g., deadlines, minimum requirements, etc.) change frequently; therefore applicants should maintain close contact with the Pre-Health Advisor and the admissions officers at the professional schools. Important points to consider and remember are outlined below.

NATIONAL ENTRANCE EXAMS

Applicants to most professional schools are required to submit scores from specific entrance tests. Students should **never take an entrance test on a “trial run” basis. They should prepare for the exam thoroughly in advance.** Every attempt on the test is reported to the school(s)/program(s) to which a student applies. Good preparation minimizes the risk of having an unsatisfactory score play a role in the equation. Students should consult with the Pre-Health Advisor for resources available to prepare for the test in question.

THE PERSONAL STATEMENT

Most professional schools require submission of a personal statement with the application. You can request copies of successful sample essays from the Pre-Health Advisor. The Student Doctor Network offers an excellent free personal statement workshop at

www.studentdoctor.net/essays/index.asp

Avoid the cliché, “I want to help people,” although you can incorporate that fact into your essay by indicating that one of the reasons you want to pursue this profession is because it is gratifying and rewarding. Remember that the essay is the only personal means you have to present yourself to admissions committees prior to being invited for an interview. Use the statement to sell yourself and to distinguish yourself from other candidates, most of whom will have credentials similar to your own. Involve the reader from your first sentence. You are telling a story about yourself and want this individual – you – to emerge in an interesting and positive manner. Keep your essay well-organized and concise and make certain you have a strong closing statement. When addressing your accomplishments, do so within a context of gratitude. Explain any negatives, such as poor grades, but stay positive and avoid criticizing your school or teachers. Check spelling, punctuation and grammar, and have others critique your essay for grammar, clarity, content, and style. Attend one of the personal essay workshops organized by your Pre-Health Advisor each semester.

THE 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.

THE APPLICATION

Separate application services exist for dentistry, medicine, optometry, pharmacy, podiatry, and veterinary medicine. **Most applications must now be accessed and processed electronically. Links are available on the pre-health website (see page 6).** Many professional schools set a deadline for receipt of the application one full year or more in advance of the class starting date. An applicant should consult regularly with the professional schools to assure that his/her application file is complete. In most cases, one missing item invalidates the application!

- A) In most cases an application fee must accompany the application in order for it to be processed and considered by the professional school.

- B) Transcripts from each college or university attended must be sent directly from that school's Records Office to the professional school. (The U of M Records Office is located in Wilder Tower, Room 003). It is the student's responsibility to make certain the official transcript is forwarded to and received by the professional school(s).
- C) It is the student's responsibility to insure that the admissions application is complete and that the professional school has received all required documents.

PRE-PROFESSIONAL COMPOSITE EVALUATION

Most professional schools require applicants to have a composite evaluation forwarded on their behalf from the school where the student completed his/her pre-professional courses. Students should obtain a composite evaluation packet from the Pre-Health Advising Center in Scates Hall, Room 107, at least one year prior to the time they wish to enter professional school. An interview with a Pre-Medical or Pre-Health Committee member is one of the composite evaluation requirements. This gives students an opportunity to participate in a mock interview while providing the committee member with additional insight and information about the individual student to bring before the committee.

A standard PRE-PROFESSIONAL EVALUATION is not processed for students who have completed fewer than thirty semester hours at the University of Memphis. Students in this category should contact the Pre-Health Advisor in Scates Hall, Room 107, and request that a Letter of Good Standing be sent on their behalf. In addition to the pre-professional evaluation, some professional schools may require additional letters of recommendation from practitioners in the field to which the student is applying.

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 (or 135 quarter hours) of undergraduate credits with a minimum 2.5 cumulative grade point average (GPA) in the prerequisite 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
Test required: None

Deadline date: Varies by school

REQUIRED COURSES

ENGLISH

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

PSYCHOLOGY (3 hours)

_____ (3)

PHYSICS

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

COMPUTER SCIENCE

COMP 1200 Comp Lit _____ (4)

MATHEMATICS

MATH 1720 (1212) *or higher* _____ (3)

CHEMISTRY

CHEM 1110/1111 (1131/1121) General _____ (4)
 CHEM 1120/1121 (1132/1122) General _____ (4)
 CHEM 3311/3301 Organic/Lab _____ (4)
 CHEM 3312/3302 Organic/Lab _____ (4)

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 AND/OR HUMANITIES (15 HOURS)

***Requirements can vary, depending on the school(s) to which a student plans to apply. Students should check directly with each individual school.

**The University of Tennessee Health Sciences Center
College of Allied Health Sciences
Department of Clinical Laboratory Sciences**

**Master of Science in Clinical Laboratory Sciences
Clinical Experience Track**

Application and Eligibility

To apply to the program, applicants must have completed:

1. An earned B.S. degree in biology, chemistry, microbiology or other science from an accredited university.
2. All of the pre-requisite courses for the undergraduate degree in medical technology. (See page 15).

In addition to their B.S. degree requirements, qualified students must have successfully completed with a “C” or better the specific courses required for medical technology:

Semester hours (SH)

General Biology **6 SH**

Anatomy & Physiology or Human Physiology **3 SH**

General Chemistry **8 SH**

Organic Chemistry **8 SH**

College Algebra or higher math **3 SH**

Applicants apply for acceptance to the B.S. Program in Medical Technology. The application deadline is December 1st. The program is for full time students and begins in September each year. Students must complete forty-four (44) semester hours of the undergraduate professional medical technology courses with a GPA of 3.0 or higher on a 4.0 scale before consideration for the Master of Science in CLS Program. Graduate applicants will be notified by the Dean of the College of Allied Health Sciences in late April or early May advising them of their admission status. Master’s level course work begins in the second fall term.

For more information, please contact:

Linda L. Ross, MS, MT(ASCP), CLS(NCA)
Chairman, Department of Clinical Laboratory Sciences
University of Tennessee Health Science Center
930 Madison Avenue, Suite 664
Memphis, TN 38163
901-448-4968
Fax 901-448-7545
lross@utmem.edu

CYTOTECHNOLOGY

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

Cytotechnologists are highly skilled laboratory professionals who examine body tissue cells microscopically in order to identify abnormalities. These professionals are primarily concerned with cancer diagnosis. Cyotechnology is a 3+1 program in which the student earns a minimum of **90 semester hours** at the University of Memphis, at least **sixteen of which are at the upper division level**, and applies to the University of Tennessee, Memphis, for a final year of course work. Credit in physical education activity courses is not accepted toward minimum admissions requirements

Class size: 10 per year **Deadline Date:** December 15 for the following June class

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) _____ (3)
1020 (1102) _____ (3)
220__ Literature _____ (3)
*Upper Div Lit _____ (3)
* (COMM 2381 may be substituted)

SOCIAL SCIENCES

Any combination of Sociology, Psychology, History, Philosophy, Political Science, etc.

_____ (3) _____ (3)

_____ (3) _____ (3)

MATHEMATICS

MATH 1710 (1211) _____ (3) or higher

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)
1111 (1152) Lab _____ (1)
BIOL 1120 (1161) General _____ (3)
1112 (1162) Lab _____ (1)
BIOL 1230 (1451) Microbiology _____ (3)
1231 (1452) Lab _____ (1)
3030 Animal Physiology* _____ (4)

or

3130 Cell Biology * _____ (3)

***or higher**

CHEMISTRY

CHEM 1110 (1131) General _____ (3)
1111 (1121) Lab _____ (1)
1120 (1132) General _____ (3)
1121 (1122) Lab _____ (1)

ADDITIONAL SCIENCE

(Four of the following courses) Must have a total of 16 hours upper division biology

BIOL 3072 Genetics _____ (3)
3073 Genetics Lab _____ (1)
3610 General Embryology _____ (4)
3620 Comparative Anatomy _____ (5)
3730 Vertebrate Physiology _____ (4)
3800 Parasitology * _____ (3)
4375 Molec. Biol. Parasites* _____ (3)
4380 Histology* _____ (4)
4445 Immunology* _____ (3)

*Select one

SUGGESTED ELECTIVES

BIOLOGY

BIOL 2010 (1751) Anat & Phys _____ (3)
2011 (1752) Lab _____ (1)
2020 (1761) Anat & Phys _____ (3)
2021 (1762) Lab _____ (1)

***NOTE: Course numbers in effect prior to Fall 2001 are indicated in parentheses.

DENTAL HYGIENE

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

Dental Hygienists are oral health professionals who work with people of all ages to treat and prevent dental disease. Working in cooperation with dentists, dental hygienists monitor carefully the oral health status of their patients and intervene as necessary with a variety of therapeutic services.

Successful completion of **64 semester hours** with a minimum overall GPA of 2.0 and a minimum GPA of 2.5 in required courses is necessary for admission to the Dental Hygiene Program at The University of Tennessee, Memphis. Credit in physical education activity, art and music technique courses is not accepted toward minimum admission requirements

Class size: 34 per year

Deadline date: February 1 for September class of the same year.

REQUIRED COURSES

ENGLISH

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

COMMUNICATION

COMM 2381 Oral Comm _____(3)

PSYCHOLOGY

PSYC 1200 General _____(3)
PSYC 3101 _____(3)*

*or: 3102, 3103, 3104, 3106, etc.

SOCIOLOGY

SOCI 1111 Introductory _____(3)
SOCI 3112 Contemporary* _____(3)

*or: 2100, 2101

LIFE SCIENCES

BIOL 1110 (1151) General _____(3)
1111 (1152) Lab _____(1)
BIOL 1230 (1451) Micro _____(3)
BIOL 1231 (1452) Lab _____(1)
BIOL 2010 (1751) Anat&Phys _____(3)
2011 (1752) Lab _____(1)
2020 (1761) Anat & Phys _____(3)
2021 (1762) Lab _____(1)

CHEMISTRY

CHEM 1010/1020(1101/1102) accepted by
UT School of Allied Health **OR**

*CHEM 1110 (1131) General _____(3)
*CHEM 1111 (1121) Lab _____(1)
CHEM 1120 (1132) General _____(3)
CHEM 1121 (1122) Lab _____(1)

*Pre-requisite sequence for BIOL 1110/1111
at the U of M

SUGGESTED ELECTIVES

(At least 16 semester hours)

COMPUTER SCIENCE*

COMP 1200 Comp Literacy _____(4)

MATHEMATICS

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

PSYCHOLOGY, SOCIOLOGY, HISTORY

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

SPANISH*

SPAN 1010 _____(3)

NUTRITION*

NUTR 2202 Nutrition _____(3)

BIOLOGY*

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

SAFETY EDUCATION

HMSE 2102 First Aid & CPR _____(3)

COUNSELING & PERSONNEL SERVICES

REHAB 3901 Disabling Cond _____(3)
4901 Adj. of Condit. _____(3)
4903 Tech of Rehab _____(3)

ANTHROPOLOGY

ANTH 1200 Cultural Anthro. _____(3)

SPECIAL EDUCATION

SPED 2000 Except. Learner _____(3)

**Recommended*

***NOTE: Course numbers in effect prior to Fall 2001 are listed in parentheses.

DENTISTRY

The University of Tennessee Health Science Center
College of Dentistry

A minimum of **90 semester hours** is required for acceptance to the College of Dentistry, UT Health Science Center. Applicants are urged to obtain a baccalaureate degree prior to entry. All applicants must take the Dental Admission Test (DAT) by no later than fall preceding the year of desired admission. See www.utmem.edu

Class size: 80 per year
Test required: DAT

Deadline date for application and DAT scores:
December 31 of the preceding year

REQUIRED COURSES

ENGLISH

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

LIFE SCIENCES

BIOL 1110 (1151) General _____(3)
1111 (1152) Lab _____(1)
BIOL 1120 (1161) General _____(3)
1121 (1162) Lab _____(1)

* Other Biology – Students must complete at least one of the following courses: Histology, Microbiology, or Comparative Anatomy.

CHEMICAL SCIENCES

CHEM 1110 (1151) General _____(3)
CHEM 1111 (1121) Lab _____(1)
CHEM 1120 (1132) General _____(3)
CHEM 1121 (1122) Lab _____(1)
CHEM 3311 Organic _____(3)
CHEM 3301 Lab _____(1)
CHEM 3312 Organic _____(3)
CHEM 3302 Lab _____(1)
CHEM 4511 Biochem I _____(3)
CHEM 4501 Biochem Lab _____(2)

MATHEMATICS

MATH 1720 (1212) Trig or Equiv _____(3)

PHYSICS

PHYS 2010 (2110) General _____(3)
2011 (2001) Lab _____(1)
2020 (2120) General _____(3)
2021 (2002) Lab _____(1)

***NOTE: Course numbers in effect prior to Fall 2001 are listed in parentheses.

SUGGESTED ELECTIVES

ADVANCED LIFE SCIENCES

BIOL 3610 Gen. Embryol. _____(4)
BIOL 3620 Comp. Anat. _____(4)
BIOL 3730 Vert. Physiol. _____(4)
BIOL 4380 Histology _____(4)
BIOL 4445 Immunology _____(3)
BIOL 3500 Microbiology _____(3)
BIOL 3600 Micro Lab _____(2)

ADVANCED CHEMICAL SCIENCES

CHEM 4512 Biochem II _____(3)
CHEM 3211 Chem. Anal. _____(2)
CHEM 3211 Chem. Anal. _____(2)
CHEM 3201 Lab _____(2)

COMMUNICATIONS

COMM 2381 Oral Comm. _____(3)

CLASSICS

CLAS 3021 Scientif. Terminol. _____(3)

FOREIGN LANGUAGE

_____ (3) _____ (3)

SOCIAL SCIENCES* <Psych. Recommended>

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

(*Psych, Econ, Anth, Soci, Poli Sci)

HUMANITIES

(English, Literature, History, Mathematics, Philosophy, Psychology)

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

HEALTH INFORMATION MANAGEMENT

The University of Tennessee Health Science Center

Health Information Managers are professionals concerned with the management of health information systems used to collect, store, retrieve, disseminate, and communicate information. Protecting the privacy of health information is a primary concern. Information maintained by HIM professionals is used by healthcare providers for patient care, reimbursement, legal purposes, statistics, research, review and reporting of healthcare outcomes and protection of patient safety.

Health Information Management is a program in which the student earns a minimum of **72 semester hours** at the U of M and applies to The University of Tennessee Health Science Center for a final calendar year of study. Details available at www.utmem.edu/allied

Class size: 16 per year

Deadline Date: **March 1** for the September class of the same year.

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) _____ (3)
ENGL 1020 (1102) _____ (3)
ENGL 2201 or 2202 _____ (3)
*ENGL Lit _____ (3)
*COMM 2381 may be substituted for **one** lit. course

STATISTICS (*one* of the following)

*EDPR 4541 _____ (3) SOCI 3311 _____ (3)
ISDS 2710 _____ (3) MATH 4611 _____ (3)
PSYC 3001 _____ (4)

**If selected, must complete course in its entirety, including all units/all tests*

BIOLOGY

BIOL 2010 (1751) A&P _____ (3)
BIOL 2011 (1752) Lab _____ (1)
BIOL 2020 (1761) A&P _____ (3)
BIOL 2021 (1762) Lab _____ (1)

SOCIAL SCIENCE*

_____ (3) _____ (3)

*Includes courses in psychology, economics, history, philosophy, sociology, anthropology, etc.

One year of American history is required at either the high school or college level.

*****NOTE:** Course numbers in effect prior to Fall 2001 are listed in parentheses.

For additional information about HIM, contact the program faculty at 930 Madison Ave., 6th Floor, Memphis, TN 38163 or call (901) 448-6486 or e-mail Mary McCain, Chair, at:

mmccain@utmem.edu

(over)

REQUIRED COURSES, CONT'D.

MANAGEMENT AND BUSINESS

MGMT 3110 Org & Mgmt _____ (3)

A grade of "D" is not acceptable in required courses or electives.

***ELECTIVES** (See details on next page, also.)

40 hours of electives. Suggested electives include courses in personnel/human resources management, management information systems, finance, accounting, computer science, scientific terminology, or other appropriate electives. (*See back of page for a list of suggested courses.*)

*No additional upper division hours are required.

Below is a list of recommended electives, although other courses may be acceptable, also. Liberal arts courses such as philosophy, history, English, anthropology, and science are useful in providing the well-rounded background needed by HIM professionals.

SUGGESTED ELECTIVES

COMP 1200	Computer Literacy	_____	(4) or
MIS 2749	Intro to Microcomputers	_____	(3) (<i>preferred</i>)
CLAS 3021	Scientific Terminology	_____	(3)
ACCT 2010	Fund Acct I	_____	(3)
ACCT 2020	Fund Acct II	_____	(3)
MIS 2755	Mgmt Info Syst	_____	(3)
MIS 3770	Sys.Ana.Meth	_____	(3)
MIS 2770	Hard/Software	_____	(3)
MIS 3775	Data Mgmt	_____	(3)
MIS 4800	Info Res Mgmt	_____	(3)
ACCT 3011	Business Law	_____	(3)
MGMT 3215	Human Res	_____	(3)
MGMT 3510	Bus Comm	_____	(3)
MGMT 4251	Labor Rela	_____	(3)
MGMT 4260	Staff Develop	_____	(3)
MGMT 4420	Org Behavior	_____	(3)

Students who have completed extensive coursework prior to becoming interested in HIM should have their transcripts evaluated directly by UT to confirm which courses will be counted as electives. (*See contact info at bottom of previous page.*) Credit for activity courses in physical education, applied music, studio art and ROTC is not accepted toward minimum requirements for admission.

NOTE: Excellent written and verbal communication skills are needed for successful completion of a degree in HIM. The year at UT is writing intensive. Reading comprehension is also vital.

MEDICAL TECHNOLOGY

The University of Tennessee Health Science Center

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 initiated. Minimum admission requirements to the UT Health Science Center program include **61 semester hours** of course work. The professional program consists of 21 months. All science courses must include an appropriate lab component; activity courses in physical education, applied music, studio art and ROTC **are not accepted** toward elective courses. Details available at www.utm.edu/allied

Class size: 20 per year **Deadline date:** December 1 for the September class of the following year

REQUIRED COURSES

ENGLISH

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

CHEMICAL/LIFE SCIENCES

CHEM 1110 (1131) General _____ (3)
CHEM 1111 (1121) Lab _____ (1)
CHEM 1120 (1132) General _____ (3)
CHEM 1121 (1122) Lab _____ (1)
CHEM 3311 Organic _____ (3)
CHEM 3301 Lab _____ (1) *And*
CHEM 3312 Organic _____ (3)
CHEM 3302 Lab _____ (1) *Or*
CHEM 4511 Biochemistry _____ (3)
CHEM 4503 Lab _____ (1)

MATHEMATICS

MATH 1710 (1211) Algebra _____ (3)

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)
BIOL 1111 (1152) Lab _____ (1)
BIOL 1120 (1161) General _____ (3)
BIOL 1121 (1162) Lab _____ (1)

BIOL 2010/2011 Anat & Phys _____ (4) *Or*
BIOL 3730 Vert Physiology _____ (4)

COMP 1200 Computer Lit. _____ (4)

*or equivalent competency is required

SUGGESTED ELECTIVES

A minimum of 25 semester hours

COMMUNICATION

COMM 2381 Oral Comm. _____ (3)

FOREIGN LANGUAGE

(2 semesters of one language)
_____ (3) _____ (3)

PSYCHOLOGY

PSYC 1200 General _____ (3)
PSYC 3101 _____ (3)
or 3102, 3103, 3104, etc.

SOCIOLOGY

_____ (3)

FINE ARTS

ART 1030 _____ (3) **OR**
MUS 1030 _____ (3)

***NOTE: The course numbers in effect
prior to Fall 2001 are listed in
parentheses.

MEDICINE

The University of Tennessee Health Science Center
College of 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 (Medical College Admission Test) is offered in April and August. The MCAT must be taken within five years of application. See www.utm.edu

Class size: 150 per year **Deadline date:** November 15 for the class of the following year
Test required: MCAT **Application service:** American Medical College Application Service (AMCAS)

REQUIRED COURSES

ENGLISH

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

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)
 1111 (1152) Lab _____ (1)
BIOL 1120 (1161) General _____ (3)
BIOL 1121 (1162) Lab _____ (1)

CHEMISTRY

CHEM 1110 (1131) General _____ (3)
 1111 (1121) Lab _____ (1)
 1120 (1132) General _____ (3)
 1121 (1122) Lab _____ (1)
CHEM 3311 Organic _____ (3)
 3301 Lab _____ (1)
 3312 Organic _____ (3)
 3302 Lab _____ (1)

MATHEMATICS

MATH 1720 (1212) Trig *or Equiv* _____ (3)
(Required as pre-or co-requisite for physics)

PHYSICS

PHYS 2010 (2110) General _____ (3)
 2011 (2001) Lab _____ (1)
 2020 (2120) General _____ (3)
 2021 (2002) Lab _____ (1)

***NOTE: Course numbers in effect
prior to Fall 2001 are listed
in parentheses.

SUGGESTED ELECTIVES

FINE ARTS

THEA 1030 (1551), COMM 1851 _____ (6)
ART 1030 (1101), MUS 1030 (1101)

HISTORY

HIST 2010 (2601) US History _____ (3)
 2020 (2602) US History _____ (3)

ADVANCED LIFE/CHEMICAL SCIENCES

BIOL 3072/3073 Genetics _____ (4)
BIOL 3610 Gen. Embryol. _____ (4)
BIOL 3620 Comp. Anat. _____ (5)
BIOL 3730 Vert. Phys. _____ (4)
BIOL 3130 Cell Biology _____ (3)
BIOL 4380 Histology _____ (4)
BIOL 3500/3600 Microbiology _____ (5)
CHEM 4511/4512 Biochemistry _____ (6)
BIOL 4445 Immunology _____ (3)

FOREIGN LANGUAGE

_____ (3) _____ (3)

HUMANITIES (Philosophy, Literature, etc.)

(PHIL 3514 *BiomedEthics* strongly recommended)

_____ (3)
_____ (3)

MATHEMATICS

MATH 1830 (1312) _____ (3) **or**
MATH 1910 (1321) _____ (4)

SOCIAL SCIENCE

_____ (3) _____ (3)

MEDICINE

East Tennessee State University
James H. Quillen College of Medicine

In order to be considered for admission to the Quillen College of Medicine, an applicant must have completed **90 semester hours** of appropriate course work. The U of M Pre-Health Advising Center recommends that students complete the courses in the **Required Courses** column and, if possible, some of the suggested electives on the right. In addition, students are encouraged to review Quillen's web site (<http://com.etsu.edu>) and to familiarize themselves with that school's admission requirements. Questions should be directed to the U of M Pre-Health Advisor. The MCAT (Medical College Admission Test) is offered in April and August. The MCAT must be reported by the close of the current application period. Acceptable scores may not be more than two years old from the year of application deadline.

Class size: 60 per year **Deadline date:** November 15 for class of the following year.

Test required: MCAT **Application service:** American Medical College Application Service (AMCAS)

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) Comp _____ (3)
ENGL 1020 (1102) Comp _____ (3)
ENGL Lit _____ (3)

PHYSICS

PHYS 2010 (2110) General _____ (3)
PHYS 2011 (2001) Lab _____ (1)
PHYS 2020 (2120) General _____ (3)
PHYS 2021 (2002) Lab _____ (1)

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)
1111 (1152) Lab _____ (1)
BIOL 1120 (1161) General _____ (3)
1121 (1162) Lab _____ (1)

CHEMISTRY

CHEM 1110 (1131) General _____ (3)
1111 (1121) Lab _____ (1)
1120 (1132) General _____ (3)
1121 (1122) Lab _____ (1)
CHEM 3311 Organic _____ (3)
3301 Lab _____ (1)
3312 Organic _____ (3)
3302 Lab _____ (1)

MATHEMATICS

MATH 1720 (1212) Trig. *or* *Equiv.* _____ (3)
(Required by U of M as pre-or co-requisite for physics)

***NOTE: Course numbers in effect prior to Fall 2001 are listed in parentheses.

SUGGESTED ELECTIVES

BIOL 4610 Gen. Embryology _____ (4)
BIOL 3130 Cell Biology _____ (3)
BIOL 3620 Comp. Anat. _____ (5)
BIOL 3500/3600 Microbiology _____ (5)
CHEM 4511/4512 Biochemistry _____ (6)
BIOL 4380 Histology _____ (4)
BIOL 3730 Vertebrate Physiol. _____ (4)
BIOL 3072/3073 Genetics _____ (4)

HISTORY

HIST 2010 (2601) _____ (3) HIST 2020 (2602) _____ (3)

ECONOMICS

_____ (3) _____ (3)

PSYCHOLOGY

_____ (3) _____ (3)

PHILOSOPHY (PHIL 3514 *Biomed Ethics* strongly recommended)

_____ (3) _____ (3)

OTHER SOCIAL SCIENCES

_____ (3) _____ (3)

FOREIGN LANGUAGE

_____ (3) _____ (3)

FINE ARTS (SELECT 2)

THEA 1030 (1551) _____ COMM 1851 _____
ART 1030 (1101) _____ MUS 1030 (1101) _____

MATHEMATICS

MATH 4611 Statistical Methods _____ (3) **AND**
MATH 1830 (1312) _____ (3) **OR** MATH 1910 (1321) _____ (4)

COMM 2381 Oral Communication _____ (3)

OCCUPATIONAL THERAPY

The University of Tennessee Health Science Center

Occupational Therapists use occupations (purposeful activities) to help people of all ages prevent, lessen or overcome disabilities and improve function in the areas of work, leisure, and self-care. UT is in the process of upgrading its program to a master's degree in Occupational Therapy (MOT). Therefore applicants who wish to enter the OT program at UT beginning in January 2005 must have completed a minimum of **ninety (90) semester hours of prerequisite course work** as outlined below. **No degree is required.** Competition for admission to the OT program is keen; therefore students are encouraged to gain experience in the field and to complete the required courses early in their pre-professional curriculum. A strong science background is essential. The application deadline is May 1 prior to January starting date with final selection made by August 1. Details available at <http://www.utm.edu/allied>

Class size: 20 per year.

Entrance Test for the MOT Program: GRE

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) Comp ____ (3)
ENGL 1020 (1102) Comp ____ (3)
COMM 2381 Oral Communication ____ (3)

LIFE SCIENCES

BIOL 1110 (1151) General ____ (3)
BIOL 1111 (1152) Lab ____ (1)
BIOL 1120 (1161) General ____ (3)
BIOL 1121 (1162) Lab ____ (1)
BIOL 2010 (1751) Anat&Phys ____ (3)
BIOL 2011 (1752) Lab ____ (1)
BIOL 2020 (1761) Anat&Phys ____ (3)
BIOL 2021 (1762) Lab ____ (1)

MATHEMATICS

MATH 1720 (1212) Trig. or Equiv. ____ (3)
(Pre- or co-requisite for physics sequence at U of M)

PHYSICS

PHYS 2010 (2110) General ____ (3)
PHYS 2011 (2001) Lab ____ (1)

CHEMISTRY

CHEM 1110 (1131) General ____ (3)
CHEM 1111 (1121) Lab ____ (1)
(MATH 1710 is the prerequisite for this course at the U of M.)

SCIENTIFIC TERMINOLOGY

CLAS 3021 ____ (3)

COMPUTER LITERACY

COMP 1200 ____ (4) or proof of equivalent knowledge

Note: Course numbers in effect prior to Fall 2001 are listed in parentheses.

PSYCHOLOGY/SOCIOLOGY

PSYC 1200 General ____ (3)
EDPR 2111 Devel. Life Span ____ (3)
PSYC 3102 Abnormal Psych ____ (3)
SOCI 1111, etc. ____ (3)
ANTH 1200 Cultural Anthro ____ (3)

STATISTICS (select **one** of the below)

*EDPR 4541 ____ MATH 1601 ____
ISDS 2710 ____ MATH 4611 ____
PSYC 3001 ____ STAT 3311 ____

** If selected, must complete all units/tests.*

Electives

Humanities (9 semester hours) – Highly recommended:
Spanish 1010, PHIL 1611, ethics, literature, fine arts
Social Science (9 semester hours) -
Recommended: government, economics

Highly Recommended elective: EXSS 3405-Kinesiology

IMPORTANT NOTE:

Science courses completed at other universities may meet U of M requirements, but may not necessarily meet UT requirements.

May 1, 2005 is deadline for application for class starting January 2006. Applications may be reviewed after that date if the class has not filled.

OPTOMETRY

Southern College of Optometry

(www.sco.edu/admissions/)

Although a minimum of **90 semester hours** is required to attend SCO, over 95% of each entering class will have completed a baccalaureate degree. Students need not complete all prerequisite courses before submitting an application, as long as the courses can be completed prior to entrance. Transcripts of all college work attempted and OAT scores (**Optometry Admission Test**) need to be submitted as soon as possible. Each candidate must have a letter of recommendation from an optometrist and the pre-professional advisor.

Class size: 120 per year

Deadline date: **March 1**, for fall class of same year (Strong preference is given to applicants who apply earlier.)

Test required: OAT

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

PSYCHOLOGY**

PSYC 1200 _____ (3)

MATHEMATICS

MATH 1830 (1312) _____ (3) **OR**

MATH 1910 (1321) _____ (4)

SOCIAL SCIENCE

_____ (3)

_____ (3)

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)

BIOL 1111 (1152) Lab _____ (1)

BIOL 1120 (1161) General _____ (3)

BIOL 1121 (1162) Lab _____ (1)

BIOL 1230 (1451) Micro _____ (3)

BIOL 1231 (1452) Lab _____ (1) **OR**

BIOL 3500 Micro _____ (3)

BIOL 3600 Lab _____ (2)

PHYSICS

PHYS 2010 (2110) General _____ (3)

PHYS 2011 (2001) Lab _____ (1)

PHYS 2020 (2120) General _____ (3)

PHYS 2021 (2002) Lab _____ (1)

CHEMISTRY

CHEM 1110 (1131) General _____ (3)

CHEM 1111 (1121) Lab _____ (1)

CHEM 1120 (1132) General _____ (3)

CHEM 1121 (1122) Lab _____ (1)

CHEM 3311/3301 Organic _____ (4)

CHEM 4511 Biochem. _____ (3)

STATISTICS

MATH 4611 Elem Stat (any statistics) _____ (3)

SUGGESTED ELECTIVES

LIFE/CHEMICAL SCIENCES

BIOL 3620 Comp. Anat. _____ (5)

BIOL 3730 Vert. Physiol. _____ (4)

CHEM 4511 Biochemistry _____ (3)

BIOL 4380 Histology _____ (4)

PSYCHOLOGY

PSYC 3303 Thinking & Cog. Proc _____ (3)

PSYC 3304 Sensation & Perception _____ (3)

PSYC 3306 Physiological Psy _____ (3)

BUSINESS

MGMT 3110 _____ (3)

ACCT 2010 _____ (3)

ACCT 2020 _____ (3)

MGMT 3215 _____ (3)

** If a student completed PSYC 1101 or 1102, either course can serve in lieu of PSYC 1200

*****NOTE:** Courses numbers in effect prior to Fall 2001 are listed in parentheses.

OSTEOPATHIC MEDICINE
Colleges Throughout The United States

Ninety (**90**) semester hours of course work are required for admission to a college of osteopathic medicine. A baccalaureate degree is highly recommended and emphasis is placed on the quality of course work rather than the major in which it was done.

Applicants submit one application through the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS). The Medical College Admission Test (MCAT) is required.

Class size: Varies by school (see list)

Deadline date: Contact schools of interest

Test required: MCAT **Application service:** American Medical College Application Service (AMCAS)

REQUIRED COURSES

ENGLISH

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

LIFE SCIENCES

- BIOL 1110 (1151) General _____ (3)
BIOL 1111 (1152) Lab _____ (1)
BIOL 1120 (1161) General _____ (3)
BIOL 1121 (1162) Lab _____ (1)

CHEMISTRY

- CHEM 1110 (1131) General _____ (3)
CHEM 1111 (1121) Lab _____ (1)
CHEM 1120 (1132) General _____ (3)
CHEM 1121 (1122) Lab _____ (1)
CHEM 3311 Organic _____ (3)
CHEM 3301 Lab _____ (1)
CHEM 3312 Organic _____ (3)
CHEM 3302 Lab _____ (1)

PHYSICS

- PHYS 2010 (2110) General _____ (3)
 2011 (2001) Lab _____ (1)
 2020 (2120) General _____ (3)
 2021 (2002) Lab _____ (1)

MATHEMATICS

- MATH 1720 (1212) Trig or equiv. _____ (3)
(Required as pre- or co-requisite for physics)

*****NOTE:** Course numbers in effect prior to Fall 2001 are listed in parentheses.

RECOMMENDED COURSES

ENGLISH

- ENGL 220 __ Literature _____ (3)
ENGL Upper Division _____ (3)

SOCIAL SCIENCES

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

FINE ARTS/FOREIGN LANGUAGE

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

ADVANCED SCIENCE COURSES

- _____ ()
_____ ()

Osteopathic Medical Schools

- Chicago College of Osteopathic Medicine
College of Osteopathic Medicine of the Pacific
DeBusk College of Osteopathic Medicine***
Kirksville College of Osteopathic Medicine
New York College of Osteopathic Medicine
Ohio University College of Osteopathic Medicine
Philadelphia College of Osteopathic Medicine
Southeastern College of Osteopathic Medicine
University of Medicine and Dentistry of New Jersey
School of Osteopathic Medicine
University of New England College of Osteopathic Medicine
West Virginia School of Osteopathic Medicine

***located in Tennessee

PHARMACY

The University of Tennessee Health Science Center
College of Pharmacy
(<http://pharmacy.utmem.edu>)

Ninety (90) semester hours of pre-professional course work and a minimum GPA of 2.5 are required to be considered for admission to the UT College of Pharmacy. PCAT (Pharmacy College Admissions Test) score is required. UT prefers that this test be taken in the fall.

Class size: 125 per year

Deadline Date: February 1 for August class of same year.

Entrance Test: PCAT

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

ENGL 1020 (1102) Composition _____ (3)

COMMUNICATION

COMM 2381 Oral Comm. _____ (3)

HUMANITIES (6 hours)

Literature, Language, History,
Philosophy, Arts

_____ (3)

_____ (3)

LIFE/CHEMICAL SCIENCES cont'd.

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

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

CHEM 3311 Organic I _____ (3)

CHEM 3301 Lab _____ (1)

CHEM 3312 Organic II _____ (3)

CHEM 3302 Lab _____ (1)

*BIOL 4445 Immunology _____ (3)

CHEM 4511 Biochem I _____ (3)

CHEM 4512 Biochem II _____ (3)

**Prerequisite is BIOL 3500 or 3130*

SOCIAL SCIENCES (Soci., Psyc., Pol. Sci., Econ.)

_____ (3)

_____ (3)

PHYSICS

2010 (2110) General I _____ (3)

2011 (2001) Lab _____ (1)

*2020 (2120) General II _____ (3)

*2021 (2002) Lab _____ (1)

*Not a pharmacy prerequisite, but required
for completion of the biology or chemistry
major at the U of M.

MATHEMATICS

MATH 1830 (1312) _____ (3) **or**

MATH 1910 (1321) _____ (3)

STATISTICS (select one)

*EDPR 4541 _____ (3) SOCI 3311 _____ (3)

PSYC 3001 _____ (3) MATH 4611 _____ (3)

**If selected, must complete course in its entirety
including all units & tests.*

SUGGESTED ELECTIVES

BIOL 3072/3073 Genetics _____ (3)

BIOL 3130 Cell Biology _____ (3)

ACCT 3011 Business Law _____ (3)

CLAS 3021 Scientific Terminol. _____ (3)

LIFE AND CHEMICAL SCIENCES

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

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

(The above sequence is preferred)

or BIOL 3620 Comparative Anatomy _____ (5)

BIOL 3730 Vertebrate Physiology _____ (4)

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

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

BIOL 1230/1231 (1451/1452) Microbiol. _____ (4) *preferred*

or BIOL 3500 Microbiology I _____ (3)

HUMANITIES/SOCIAL SCIENCE

_____ (3)

_____ (3)

NOTE: Course numbers in effect
prior to Fall 2001 are listed in
parentheses.

PHYSICAL THERAPY

The University of Tennessee Health Science Center (www.utmem.edu/allied)

Physical Therapists plan, organize, and direct programs for individuals of all ages who are disabled by illness, accident, or congenital handicap, teaching their patients skills that enable them to reach maximum functional independence and add quality to life. The program at the *UT Health Science Center* is an entry-level doctoral degree. A bachelor's degree and completion of the below prerequisites are required for admission to the UT program. Many of the below prerequisites will count toward completion of the bachelor's degree as well.

Class size: 60 per year maximum

Deadline date: January 15 for September class of the same year.

Entrance Test: GRE

REQUIRED COURSES

ENGLISH

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

SOCIAL SCIENCES/HUMANITIES (12 hours)

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

MATHEMATICS

MATH 1710 (1211) _____ (3)
MATH 1720 (1212) _____ (3) **OR**
MATH 1730 (1213) _____ (3)

PSYCHOLOGY**

PSYC 1200 General _____ (3)
PSYC 3103 Child Psychology _____ (3) **or**
EDPR 2111 Devel./Life Span _____ (3)

PHYSICS

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

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

STATISTICS (Choose **one** of the below)

MATH 1601 _____ MATH 4611 _____ PSYC 3001 _____ (3)
OR SOCI 3311 _____

CHEMISTRY

CHEM 1110/1111 (1131/1121) General/Lab _____ (4)
CHEM 1120/1121 (1132/1122) General/Lab _____ (4)

COMPUTER SCIENCE

COMP 1200 Comp Lit _____ (4) or proof of equivalent knowledge

SUGGESTED ELECTIVES (24 hours)

BIOLOGY

BIOL 3610 Vert.Embry _____ (4)
BIOL 3620 Comp.Ana. _____ (5)

CLASSICS

CLAS 3021 Sci.Term. _____ (3)

NUTRITION

NUTR 2202 Nutrition _____ (3)

SAFETY & FIRST AID

HMSE 2102 First Aid&CPR _____ (3)

PSYCHOLOGY

PSYC 3101 Personality _____ (3)
PSYC 3102 Abnorm.Psyc. _____ (3)

SPECIAL EDUCATION

SPED 2000 Excep.Learn. _____ (3)

COMMUNICATIONS

COMM 2381 Oral Comm _____ (3)

SOCIOLOGY

SOCI 4541 Aging _____ (3)
SOCI 4851 Medical _____ (3)
SOCI 4852 Mental Illness _____ (3)

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

*****NOTE:** Course numbers in effect prior to Fall 2001 are listed in parentheses.

PHYSICIAN ASSISTANT MASTER'S PROGRAM

Trevecca Nazarene University

(www.trevecca.edu/schools/arts.sciences/physician.asst/admissions.html)

The primary aim of the *Physician Assistant Program* is to create an environment in which an individual can develop the professional skills of a physician assistant and demonstrate competency by successful completion of the national certifying examination for physician assistants.

Applicants must have a baccalaureate degree from a regionally accredited institution at the time of matriculation into the graduate program. While any undergraduate major is acceptable, biology or chemistry majors will be best prepared. Applicants are expected to have a minimum 3.25 GPA in all undergraduate course work. This is a 27 month program that includes: 15 months of Didactic Phase clinical medicine process and twelve months of required and elective rotations of six week duration each.

Class size: 35 per year

Deadline date: November 1 for the next May class

Test Required: Graduate Record Exam (GRE)

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) Composition _____ (3)

1020 (1102) Composition _____ (3)

220 ___ Literature _____ (3)

PSYCHOLOGY

PSYC 1200 General _____ (3)**

EDPR 2111 Develop _____ (3)

MATHEMATICS

MATH 1720 (1212) or equivalent _____ (3)

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)

BIOL 1111 (1152) Lab _____ (1)

BIOL 1120 (1161) General _____ (3)

BIOL 1121 (1162) Lab _____ (1)

BIOL 2010 (1751) Anat & Phys _____ (3)

BIOL 2011 (1752) Lab _____ (1)

BIOL 2020 (1761) Anat & Phys _____ (3)

BIOL 2021 (1762) Lab _____ (1)

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

CHEMISTRY

CHEM 1110 (1131) General _____ (3)

1111 (1121) Lab _____ (1)

1120 (1132) General _____ (3)

1121 (1122) Lab _____ (1)

PHYSICS

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

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

SUGGESTED ELECTIVES

CLASSICS

CLAS 3021 Scientific Terminol _____ (3)

COMPUTER SCIENCE

COMP 1200 Computer Literacy _____ (4)

FOREIGN LANGUAGE

_____ (3)

_____ (3)

COMMUNICATION

COMM 2381 Oral Comm. _____ (3)

***NOTE: Course numbers in effect prior to
Fall 2001 are listed in parentheses.

** If a student completed PSYC 1101, this can serve in lieu of PSYC 1200.

PHYSICIAN ASSISTANT MASTER'S PROGRAM

Medical College of Georgia

(www.mcg.edu/students/semcon/corefpa.HTM)

In most settings, the *Physician Assistant* obtains medical histories, performs physical examinations, orders and interprets laboratory and other information, and assesses and manages common illnesses, including writing prescriptions for appropriate medications. Successful completion of the national certifying examination is required to practice in most states.

Completion of 90 semester hours of prerequisites and a minimum of 100 hours of health care experience or volunteer activities. The program requires a **minimum overall GPA of 3.0 and a minimum GPA of 2.8 in your mathematics/science courses**. For detailed admissions criteria, go to the website at the top of this page. The P.A. program begins in May.

Class size: 40

Deadline date: October 15

Test Required: GRE

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) Composition _____ (3)
1020 (1102) Composition _____ (3)
*220__ Literature _____ (3)
*(COMM 2381 may be substituted)

PSYCHOLOGY/EDPR

PSYC 1200 _____ (3)
PSYC 3102 _____ (3)
EDPR 2111 _____ (3)

MATHEMATICS

MATH 1710 (1211) or higher _____ (3)

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)
1111 (1152) Lab _____ (1)
BIOL 1120 (1161) General _____ (3)
1121 (1162) Lab _____ (1)
BIOL 2010 (1751) Anat&Phys _____ (3)
2011 (1752) Lab _____ (1)
BIOL 1230/1231 (1451/1452) Micro _____ (4)
or 3500/3600 Micro _____ (5)
BIOL 3130 Cell Biology **or** CHEM 4511 _____ (3)
Guided electives in Histology, Genetics, Embryology or Physics

CHEMISTRY

CHEM 1110 (1131) General _____ (3)
1111 (1121) Lab _____ (1)
1120 (1132) General _____ (3)
1121 (1122) Lab _____ (1)
CHEM 3311 Organic _____ (3)
3301 Lab _____ (1)
CHEM 4511 Biochem. _____ (3) **OR** BIOL 3130 Cell Biology _____ (3)

PHYSICS

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

STATISTICS

MATH 4611 _____ (3) SOCI 3311 _____ (3)
PSYC 3001 _____ (3)

CLASSICS

CLAS 3021 Sci. Terminology _____ (3)

COMPUTER SCIENCE

COMP 1200 Computer Literacy _____ (4) **OR**
MIS 2749 Intro to Microcomputers _____ (3)

HUMANITIES & FINE ARTS *

(6 Semester Hours/See Bulletin)
_____ (3) _____ (3)

*PHIL 3514 strongly recommended

SOCIAL SCIENCES – 12 semester hours

U.S. History, Sociology, Anthropology, etc.

*****NOTE:** Courses numbers in effect prior to fall 2001 are indicated in parentheses.

PODIATRY

Programs throughout the United States

Ninety (90) semester hours of course work are required for admission to podiatry school. A baccalaureate degree is highly recommended and emphasis is placed on the quality of course work rather than the major in which it was done.

Applicants submit one application through the American Association of Colleges of Podiatric Medicine Application Service (AACPMAS). Materials may be obtained by writing: AACPMAS, 20 Chevy Chase Circle, NW Washington, DC 20015.

Class size: Varies by school

Deadline date: April 1

Test required: MCAT

Application service: American Association of College of Podiatric Medicine Application Service

REQUIRED COURSES

ENGLISH

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

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)
1111 (1152) Lab _____ (1)
BIOL 1120 (1161) General _____ (3)
1121 (1162) Lab _____ (1)

CHEMISTRY

CHEM 1110 (1131) General _____ (3)
1111 (1121) Lab _____ (1)
1120 (1132) General _____ (3)
1121 (1122) Lab _____ (1)
3311 Organic _____ (3)
3301 Lab _____ (1)
3312 Organic _____ (3)
3302 Lab _____ (1)

PHYSICS

PHYS 2010 (2110) General _____ (3)
2011 (2001) Lab _____ (1)
2020 (2120) General _____ (3)
2021 (2002) Lab _____ (1)

MATHEMATICS

MATH 1720 (1212) Trig or equivalent _____ (3)
(Required as pre- or co-requisite for physics)

**** **NOTE:** Course numbers in effect prior to Fall 2001 are listed in parentheses.

SUGGESTED ELECTIVES

ENGLISH

ENGL 220 ____ Literature _____ (3)

HISTORY

HIST 2010 (2601) _____ (3)
HIST 2020 (2602) _____ (3)

FINE ARTS (ONE COURSE)

Art 1030 (1101), MUSIC 1030 (1101), THEA 1030 (1151)
_____ (3)

MATHEMATICS

MATH 1830 (1312) _____ (3) **OR**
MATH 1910 (1321) _____ (4)

FOREIGN LANGUAGE

_____ (3)

ADDITIONAL INFORMATION

CCPM requires eight (8) additional biology hours – WSCPM Requires four (4) additional hours.

Recommended:

BIOL 3072/73 Genetics	BIOL 3610 Gen. Embryol.
BIOL 3620 Compara. Anat.	BIOL 3130 Cell Biology
BIOL 3500/3600 Micro.	CHEM 3211 Chem. Analysis
BIOL 3730 Vertebrate Phys.	
CHEM 3401 Elem. P.C.	
CHEM 4511/4512 Biochem.	

RESPIRATORY CARE

The University of Arkansas for Medical Sciences
(www.uams.edu)

The Bachelor of Science in Cardio-Respiratory Care Program is a “**2+2**”, meaning the student completes the first two years (**64 semester hours**) at any accredited college of choice, and the last two years at the University of Arkansas for Medical Sciences campus in Little Rock upon acceptance into the program. All applicants **are required** to take the Health Occupations Admissions Exam (HOAE) administered by the department. There is a minimum cost for this exam.

Class Size: 24

Deadline Date: First working day in March each year.

Test Required: HOAE Exam

(Will extend to July 1, if class is not full.)

REQUIRED COURSES

ENGLISH

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

COMPUTER SCIENCE

COMP 1200 Comp Lit _____ (4) **or**
MIS 2749 Microcomputers _____ (3)

PHYSICS

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

HUMANITIES (Philos., Pol. Sci., Literature)

_____ (3)

MATHEMATICS

MATH 1710 (1211) or higher _____ (3)

COMMUNICATION

COMM 2381 Oral Comm. _____ (3)

LIFE SCIENCES

BIOL 2010 (1751) Anat & Phys _____ (3)
2011 (1752) Lab _____ (1)
BIOL 2020 (1761) Anat&Phys _____ (3)
2021 (1762) Lab _____ (1)
BIOL 1230 (1451) Microbiol _____ (3)
1231 (1452) Lab _____ (1) **or**
BIOL 3500/3600 Microbiol _____ (5)

FINE ARTS

Art, Music, or Theater Art _____ (3)

SOCIAL SCIENCES

Psychology 1200 _____ (3)
Sociology 1111 _____ (3)

CHEMISTRY

CHEM 1110 (1131) General _____ (3)
1111 (1121) Lab _____ (1)

LIBERAL ARTS

American Hist **OR** U.S. Gov _____ (3)

History of Western Civ. **OR** World History
(2 courses required)

_____ (3) _____ (3)

*****NOTE:** Course numbers effective prior to Fall 2001 are listed in parentheses.

ELECTIVES

12 SEMESTER HOURS REQUIRED

*CLAS 3021 Sci Term _____ (3)

_____ (3)

_____ (3)

_____ (3)

*Strongly recommended

VETERINARY MEDICINE

The University of Tennessee at Knoxville College of Veterinary Medicine
(www.vet.utk.edu/admissions/procedure.shtml)

Successful completion of **66 semester hours** is necessary for admission to UTK's College of Veterinary Medicine. The Graduate Record Exam (GRE) is required for admission. For those students planning to matriculate in August of 2005, the GRE scores must be received by the UTK College of Veterinary Medicine by **January 15, 2005**. All requirements in pre-veterinary medicine must be completed by the end of the spring semester of the year you plan to enter UTK. Applicants are strongly encouraged to take additional biological science courses. The curriculum at UTK is a four year program beginning in August.

Applications for Veterinary Medicine School have been transferred to a web-based format. Visit the AAVMC Web site at <http://aavmc.org>.

Class size: 70 per year **Deadline date:** Applications must reach the UTK Director of Admission by **November 1**
Test required: GRE **Application Service:** Veterinary Medical College Application Service

REQUIRED COURSES

ENGLISH

ENGL 1010 (1101) _____ (3)

ENGL 1020 (1102) _____ (3)

HUMANITIES & SOCIAL SCIENCE

_____ (3)

_____ (3)

_____ (3)

_____ (3)

_____ (3)

_____ (3)

MATHEMATICS

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

**pre or co-requisite for physics*

LIFE SCIENCES

BIOL 1110 (1151) General _____ (3)

1111 (1152) Lab _____ (1)

BIOL 1120 (1161) General _____ (3)

1121 (1162) Lab _____ (1)

BIOL 3072 Genetics _____ (3)

BIOL 3130 Cell Biology _____ (3)

PHYSICS

PHYS 2010 (2110) General _____ (3)

PHYS 2011 (2001) Lab _____ (1)

PHYS 2020 (2120) General _____ (3)

PHYS 2021 (2002) Lab _____ (1)

CHEMICAL SCIENCES

CHEM 1110 (1131) General _____ (3)

CHEM 1111 (1121) Lab _____ (1)

CHEM 1120 (1132) General _____ (3)

CHEM 1121 (1122) Lab _____ (1)

CHEM 3311 Organic _____ (3)

CHEM 3301 Lab _____ (1)

CHEM 3312 Organic _____ (3)

CHEM 3302 Lab _____ (1)

CHEM 4511 Biochem _____ (3)

CHEM 4512 Biochem _____ (3)

SUGGESTED ELECTIVES

BIOL 3620 Comp. Anat. _____ (5)

BIOL 3500 Microbiol. _____ (3)

BIOL 3600 Micro. Lab. _____ (2)

BIOL 3730 Vert. Physiol. _____ (4)

BIOL 4604 Animal Behav _____ (4)

BIOL 4440 Path. Bacteriol _____ (3)

***NOTE: Course numbers in effect prior to Fall 2001 are listed in parentheses.

PROFESSIONAL SCHOOL CONTACT INFORMATION:

The University of Arkansas for Medical Sciences
Department of Respiratory Care
2200 Fort Roots Drive (14B/NLR)
North Little Rock, Arkansas 72114
501-257-2348 www.uams.edu

The University of Tennessee, Memphis
College of Allied Health Sciences
930 Madison Avenue, 6th Floor
Memphis, Tennessee 38163
901-448-5581 www.utmem.edu/allied

Federation of Chiropractic Licensing Board
901 54th Ave., #101
Greeley, Colorado 80634
970-356-3500

The University of Tennessee
Health Science Center
College of Dentistry
Dr. Wisdom Coleman
875 Union Avenue
Memphis, Tennessee 38163
901-448-1625 www.utmem.edu

The University of Tennessee
Health Science Center
College of Pharmacy
Dr. James Eoff
847 Monroe Avenue
Memphis, Tennessee 38163
901-448-6024 www.utmem.edu

The University of Tennessee
Health Science Center
College of Medicine
Nelson Strother, Admissions Office
910 Madison Avenue, Suite 500
Memphis, Tennessee 38163-2166
901-448-5559 www.utmem.edu

College of Pharmacy
East Tennessee State University
Phone: (423) 439-6300
Email: pharmacy@etsu.edu

Admissions Office
East Tennessee State University
James H. Quillen College of Medicine
P.O. Box 70580
Johnson City, Tennessee 37614
423-439-2038 or 2033
www.etsu.edu

East Tennessee State University
College of Public & Allied Health
Department of Physical Therapy
Susan Epps, Box 7058
Johnson City, Tennessee 37614-0580
423-439-2038 or 2033

Southern College of Optometry
Robin Graves
1245 Madison Avenue
Memphis, Tennessee 38104-2222
901-722-3200 www.sco.edu

Trevecca Nazarene University
Physician Assistant Program
Judy Spross
3333 Murfreesboro Road
Nashville, Tennessee 37210-2877
615-248-1225 www.trevecca.edu

Medical College of Georgia
Physician Assistant Department
Bonnie Dadig
School of Allied Health Sciences
Augusta, Georgia 30912-0900
706-721-3246 www.mcg.edu

The University of Tennessee-Knoxville
College of Veterinary Medicine
Admissions Office
2407 River Drive
Knoxville, TN 37996-4550
www.vet.utk.edu