PRE-PHARMACY

The **Pharm. D.** curriculum is designed to produce a scientifically and technically competent pharmacist who can apply this education in such a manner as to provide maximum health care services to patients. Students will be prepared to assume expanded responsibilities in the care of patients and assure the provision of rational drug therapy.

PROGRAM REQUIREMENTS AND PREREQUISITES
At University of Tennessee Memphis/Knoxville

Requirements and Prerequisites		Total Hours
English Composition I & II	ENG101 & 102	6
General Biology I & II	BIO111 & 112	8
Anatomy & Physiology I & II	BIO211 & 212	8
Microbiology	BIO215	4
General Chemistry I & II & Labs	CHE121/121L & 122/122L	8
Organic Chemistry I & II	CHE321 & 322	8
Biochemistry I & II	CHE331 & 332*	8
Introductory Statistics	MAT235	3
Analytics & Calculus I	MAT122	5
Social Science (Sociology, Psychology, Political Science, Economics)	SOC241	6
Humanities	HIS221 & 222	6
Electives		14
Total Semester Hour Credits		**90**

Other requirements include:
1. One year of American History is required for graduation from the University of Tennessee.
2. Achieve a grade of "C" or above for each required pre-pharmacy course with an overall GPA for all coursework completed of 2.5 or above on a 4.0 scale.

Recommended: One semester of General Physics (PHS201) & Immunology (CHE431)

IS A DEGREE REQUIRED? _____ YES _X__ NO

You may apply when you have completed the majority of your pre-pharmacy work and your GPA is competitive. However, approximately 75% of the current students have B.S. degree. Students who have their degrees are generally more competitive.

IS CLINICAL EXPERIENCE REQUIRED OR HELPFUL? IF SO, HOW MANY HOURS?

Shadowing and/or clinical experience is highly recommended. An exact number of hours have not been specified.

IS AN ENTRANCE EXAM REQUIRED?

The PCAT is required. It is recommended that you take the PCAT in the summer or fall one year prior to your desired enrollment. This allows time to repeat the exam if you believe you can improve your score. All PCAT scores should be submitted directly to PharmCAS. UT requires a minimum PCAT composite score at the 40th percentile (220 minimum), with no individual subject area less than the 25th percentile (200 minimum). The minimum scores will not be competitive. The average PCAT score for the last class was at the 80th percentile.

AVERAGE GPA OF LAST ENTERING CLASS 3.4

APPLICATION DEADLINE: February 1. The earlier you apply, the better.

PRE-PHARMACY

PROGRAM REQUIREMENTS AND PREREQUISITES
McWhorter School of Pharmacy, Samford University, Birmingham

Requirements and Prerequisites		Total Hours
English Composition I & II	ENG101 & 102	6
Literature	Any 200 level or above	3
Biology I & II & Microbiology	BIO211, 212 & 215	12
Psychology or Sociology	PSY210 or SOC241	3
Speech	COM140	3
General Chemistry I & II & Labs	CHE121/121L & 122/122L	8
Organic Chemistry I & II	CHE321 & 322	8
Biochemistry I & II	CHE331 & 332*	8
Introductory Statistics	MAT235	3
Precalculus & Analytics and Calculus I	MAT120 &122	10
History	HIS111 or 112	3
Liberal Arts	Political science, history, literature, foreign language, philosophy, psychology, sociology, geography, economics or one (1) class in either art, music or drama *appreciation*	9
Physical Education	Any PEA activity class	2
Total Semester Hour Credits		**74**

IS A DEGREE REQUIRED? ____ YES _X__ NO

You may apply when you have completed the majority of your pre-pharmacy work and your GPA is competitive. However, the majority of the current students have B.S. degrees. Students who have their degrees are generally more competitive.

IS CLINICAL EXPERIENCE REQUIRED OR HELPFUL? IF SO, HOW MANY HOURS?

Shadowing and/or clinical experience is highly recommended. An exact number of hours have not been specified.

IS AN ENTRANCE EXAM REQUIRED?

The PCAT is required. It is recommended that you take the PCAT in the summer or fall one year prior to your desired enrollment. This allows time to repeat the exam if you believe you can improve your score. All PCAT scores should be submitted directly to PharmCAS. If you have not completed a B.S. degree, the ACT or SAT scores are also required.

AVERAGE GPA OF LAST ENTERING CLASS 3.4

Students need a 3.0 on a 4.0 scale to be competitive.

APPLICATION DEADLINE: February 1.

Applications open June 1. The earlier you apply, the better.

PRE-PHARMACY

PROGRAM REQUIREMENTS AND PREREQUISITES
Auburn School of Pharmacy, Auburn, AL

Requirements and Prerequisites		Total Hours
English Composition I & II	ENG101 & 102	6
Literature	ENG225, 226, 245 or 246	6
History	HIS111, 112 or 221, 222	6
Philosophy	IDS334	3
Fine Arts	ART110, MUS110 or THE160	3
Social Science (choice of one from each of 2 groups)	Group 1: SOC241, ANT201, PSY210 or GEO100 Group 2: ECO272 or POL213	6
Physics	PHS201	4
General Biology I	BIO111	4
Human A & P I & II	BIO211 & 212	8
Genetics	BIO335	3
Microbiology	BIO215	4
Immunology	CHE431	3

Physiology	Physiology Research	3
General Chemistry I & II & Labs	CHE121/121L & 122/122L	8
Organic Chemistry I & II	CHE321 & 322	8
Biochemistry	CHE332	4
Introductory Statistics	MAT235	3
Analytics & Calculus I	MAT122	5

A GPA of 2.5 or higher for each required pre-pharmacy course is mandatory.

IS A DEGREE REQUIRED? _X___ YES ____ NO

IS CLINICAL EXPERIENCE REQUIRED OR HELPFUL? IF SO, HOW MANY HOURS?

Shadowing and/or clinical experience is highly recommended. An exact number of hours has not been specified.

IS AN ENTRANCE EXAM REQUIRED?

The PCAT is required. It is recommended that you take the PCAT in the summer or fall one year prior to your desired enrollment. This allows time to repeat the exam if you believe you can improve your score.

GPA REQUIRED: Minimum 2.5 out of 4.0

Students need a 3.0 on a 4.0 scale to be competitive.

APPLICATION DEADLINE:

Applications open June 1. The earlier you apply, the better.

Pre-Pharmacy

PROGRAM REQUIREMENTS AND PREREQUISITES
At Harding University, Searcy, AR

Requirements and Prerequisites		Total Hours
English Composition I & II	ENG101 &102	6
General Biology II	BIO112	4
Anatomy & Physiology I & II	BIO211 & 212	8
Microbiology	BIO215	4
Cell Biology	BIO205	3
General Chemistry I & II & Labs	CHE121/121L & 122/122L	8
Organic Chemistry I & II	CHE321 & 322	8

Biochemistry I	CHE331	4
Physics I	PHS201	4
Introductory Statistics	MAT235	3
Analytics & Calculus I	MAT122	5
Economics	ECO271* or 272	3
Psychology or Sociology	PSY210 or SOC241	3
Speech	COM140	3
Social Science (Accounting*, Business, Anthropology, Sociology, Psychology, Political Science, Economics, Geography, History, Health, Management)	ACC231 & 233, BUS253, MGT241 & 341, SOC241, POL231, ETC.	6
Humanities (Art, Foreign language, History, Literature, Music, Philosophy, Religion, Theatre)	HIS221 & 222, ART110, MUS110, THE160, SPA131 &132, FRE111 & 112, PHI243, etc.	6
Electives**		14
Total Semester Hour Credits (no PEA credit can count toward the 90 hours)		**90**

Other requirements include:

1. No more than 6 hours of CLEP credit will be accepted. AP credit will be accepted as long as the undergraduate program will accept it.
2. Achieve a grade of "C" or above for each required pre-pharmacy course with an overall GPA for all coursework completed of 2.75 or above on a 4.0 scale.

***Recommended**

****Recommended:** One semester of Genetics (BIO335)

IS A DEGREE REQUIRED? _____ YES _X__ NO

You may apply when you have completed the majority of your pre-pharmacy work and your GPA is competitive. However, the majority of the current students have B.S. degree. Students who have their degrees are generally more competitive.

IS CLINICAL EXPERIENCE REQUIRED OR HELPFUL? IF SO, HOW MANY HOURS?

Shadowing and/or clinical experience is highly recommended. An exact number of hours have not been specified.

IS AN ENTRANCE EXAM REQUIRED?

The PCAT is required. It is recommended that you take the PCAT in the summer or fall one year prior to your desired enrollment. This allows time to repeat the exam if you believe you can improve your score. All PCAT scores should be submitted directly to PharmCAS. Harding's PharmCAS code is 104.

APPLICATION DEADLINE: Interviews begin in September. The earlier you apply, the better.

PROGRAM REQUIREMENTS AND PREREQUISITES
At Lipscomb University, Nashville, TN

Requirements and Prerequisites		Total Hours
English Composition I & II	ENG101 & 102	6
General Biology I & II	BIO111 & 112	8
General Chemistry I & II & Labs	CHE121/121L & 122/122L	8
Organic Chemistry I & II	CHE321 & 322	8
Physics I	PHS201	4
Introductory Statistics	MAT235	3
Analytics & Calculus I	MAT122	5
Speech	COM140	3
Economics	ECO 271 or 272	3
Social Science (Sociology, Psychology, Political Science, Anthropology, Economics)	PSY210 & 310, SOC241 & 230, POL231, ANT351, ECO271 or 272	6
Humanities (Literature, Fine art, Foreign language, History)	HIS221 & 222, ART110, MUS110, THE160, PHI243, SPA131 & 132, FRE111 & 112, etc.	6
Electives (Bible, sciences, mathematics, humanities, or social sciences)		4
Total Semester Hour Credits		**66**

Other requirements include:

1. Due to the ever-increasing presence & reliance upon computers as tools in the delivery of healthcare, it is expected that applicants possess and demonstrate the skills and ability to use computers in the academic setting.
2. Achieve GPA of 2.75 or above for each required pre-pharmacy course with an overall GPA for all coursework completed of 2.5 or above on a 4.0 scale.

Recommended: Many students benefit from additional study in the biological sciences and chemistry. Recommended courses include anatomy and physiology, microbiology, genetics, embryology, immunology, molecular biology, biochemistry, analytical chemistry, and instrumental methods of analysis.

IS A DEGREE REQUIRED? _____ YES __X__ NO

You may apply when you have completed the majority of your pre-pharmacy work and

your GPA is competitive. However, approximately 75% of the current students have B.S. degree. Students who have their degrees are generally more competitive.

IS CLINICAL EXPERIENCE REQUIRED OR HELPFUL? IF SO, HOW MANY HOURS?

Shadowing and clinical/work experience is highly recommended. An exact number of hours have not been specified.

IS AN ENTRANCE EXAM REQUIRED?

The PCAT is required. It is recommended that you take the PCAT in the summer or fall one year prior to your desired enrollment. This allows time to repeat the exam if you believe you can improve your score. All PCAT scores should be submitted directly to PharmCAS.

APPLICATION DEADLINE: The earlier you apply, the better.

PROGRAM REQUIREMENTS AND PREREQUISITES
At Union University, Jackson, TN

Requirements and Prerequisites		Total Hours
English Composition I & II	ENG101 & 102	6
General Biology I & II	BIO111 & 112	8
Anatomy & Physiology I & II	BIO211 & 212	8
Microbiology	BIO215	4
General Chemistry I & II & Labs	CHE121/121L & 122/122L	8
Organic Chemistry I & II	CHE321 & 322	8
Physics I	PHS201	4
Introductory Statistics	MAT235	3
Analytics & Calculus I	MAT122	5
Speech	COM140	3
Social Science (Sociology, Psychology, Political Science, Economics)	SOC241	6
Humanities (Arts, History, Language, Literature or Philosophy)	HIS221 & 222, ART110, MUS110, THE160, SPA131 &132, FRE111 & 112, etc	6
Electives		14
Total Semester Hour Credits		**90**

Other requirements include:

1. One year of American History is required for graduation from the University of Tennessee.
2. Achieve a GPS of 2.75 or above for each required pre-pharmacy course with an overall GPA

for all coursework completed of 2.5 or above on a 4.0 scale.
Recommended: One semester of General Physics (PHS201) & Immunology (CHE431)

IS A DEGREE REQUIRED? _____ YES _X__ NO

You may apply when you have completed the majority of your pre-pharmacy work and your GPA is competitive. However, approximately 75% of the current students have B.S. degree. Students who have their degrees are generally more competitive.

IS CLINICAL EXPERIENCE REQUIRED OR HELPFUL? IF SO, HOW MANY HOURS?

Shadowing and clinical/work experience is highly recommended. An exact number of hours have not been specified.

IS AN ENTRANCE EXAM REQUIRED?

The PCAT is required. It is recommended that you take the PCAT in the summer or fall one year prior to your desired enrollment. This allows time to repeat the exam if you believe you can improve your score. All PCAT scores should be submitted directly to PharmCAS.

APPLICATION DEADLINE: March 1. The earlier you apply, the better.