

## PRE-PHARMACY Advisement Guide

Revised 8/05 CH

Pharmacy is a health profession concerned with knowledge of drugs and their effects. Pharmacy's body of knowledge draws from biological, chemical, physical, and behavioral sciences. The professional activities of pharmacists depend on their work setting: community pharmacy, hospital pharmacy, nursing home or extended care facility, government agency, or university. Colleges of pharmacy in the United States offering the Bachelor of Science degree in pharmacy require five years of college education for the completion of degree requirements. The curriculum is usually divided in two years of pre-pharmacy and three years of pharmacy education (a "2+3" program). Many schools now offer and recommend the Doctor of Pharmacy degree, requiring an additional year of clinical studies (a "2+4" program). All students who present credit for pre-pharmacy work done at Bloomsburg University with a grade of "C" or better have been given credit for the courses which correspond in length and content with those prescribed by most colleges of pharmacy accredited by the American Council of Pharmaceutical Education.

The courses listed below fulfill admission requirements for most colleges of pharmacy in the United States granting advance standing to transfer students. However, pre-pharmacy students are urged to consult with their pre-pharmacy advisor for guidance in selecting courses for specific institutions.

<p><b>Biology Core Requirement (9 cr hrs)</b> <input type="checkbox"/></p> <p>50-107 Medical Terminology 1 <input type="checkbox"/></p> <p>50-114 Concepts in Biology I 4 <input type="checkbox"/></p> <p>50-115 Concepts in Biology II 4 <input type="checkbox"/></p>	<p><b>Chemistry Requirement (16 hrs)</b> <input type="checkbox"/></p> <p>52-115 Chem for the Sciences 1 4 <input type="checkbox"/></p> <p>52-116 Chem for the Sciences 2 4 <input type="checkbox"/></p> <p>52-231 Organic Chemistry I 4 <input type="checkbox"/></p> <p>52-232 Organic Chemistry II 4 <input type="checkbox"/></p>
<p><b>Suggested Electives</b> for Specific Pharmacy Schools</p> <p>05- Fitness &amp; Recreation crse 1</p> <p>28-290 Medical Ethics 3</p> <p>50-173 Anatomy &amp; Physiology I 4</p> <p>50-174 Anatomy &amp; Physiology II 4</p> <p>50-242 Microbiology 4</p> <p>59-498 Internship in Natural Sci.* 3</p> <p>*Highly recommended; this provides an opportunity to gain practical experience. Students not pursuing an internship should seek volunteer or shadowing experience, as it is required by many schools.</p>	<p><b>Physics Requirement (8 cr hrs; select one pair)</b> <input type="checkbox"/></p> <p>54-111 Introductory Physics I 4 <input type="checkbox"/></p> <p>54-112 Introductory Physics II 4 <input type="checkbox"/></p> <p><b>OR</b></p> <p>54-211 General Physics I** 4 <input type="checkbox"/></p> <p>54-212 General Physics II** 4 <input type="checkbox"/></p> <p>** Calculus based physics.</p>
<p><b>Communication Skills (9 cr hr)</b></p> <p>20-101 English Composition I 3 <input type="checkbox"/></p> <p>20-201 English Composition II 3 <input type="checkbox"/></p> <p><b>AND</b></p> <p>25-103 Public Speaking 3 <input type="checkbox"/></p> <p><b>OR</b></p> <p>25-104 Interpersonal Communicat 3 <input type="checkbox"/></p>	<p><b>Mathematics Requirement (6 cr hrs; select one pair)</b> <input type="checkbox"/></p> <p>53-123 Essentials of Calculus 3 <input type="checkbox"/></p> <p>53-141 Introduction to Statistics 3 <input type="checkbox"/></p> <p><b>OR</b></p> <p>53-125 Calculus I 3 <input type="checkbox"/></p> <p>53-126 Calculus II 3 <input type="checkbox"/></p>
<p><i>Many schools are taking a renewed interest in student preparation in <b>literature</b>. List literature courses below.</i></p> <p>20 - _____</p> <p>20 - _____</p> <p>20 - _____</p>	<p><b>Economics (Select at least one)</b></p> <p>40-121 Principles of Economics I 3 <input type="checkbox"/></p> <p>40-122 Principles of Economics II 3 <input type="checkbox"/></p> <p><b>Suggested Electives</b></p> <p>48-101 General Psychology 3 <input type="checkbox"/></p> <p>45.211 Principles of Sociology 3 <input type="checkbox"/></p>