

CLASS OF 2030

Pre-Professional Student Manual

UNIVERSITY
OF RHODE ISLAND
COLLEGE OF
PHARMACY



The URI College of Pharmacy is a welcoming and inclusive student-centered research community that pursues lives of service and intellectual exploration to solve scientific challenges and prepare students to deliver interdisciplinary healthcare with compassion and intention.

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Welcome to the College of Pharmacy, Class of 2030!

URI College of Pharmacy students, faculty, and staff look forward to assisting you in achieving your goal to earn your Doctor of Pharmacy Degree. The path you have chosen is challenging, and it requires commitment throughout the next six years as you prepare to become a licensed pharmacist.

As a freshman you will be assigned to the University of Rhode Island's University College for Academic Success. Your advisor is from the College of Pharmacy and is your direct link to the Pharmacy Program. In addition to assisting in curriculum planning, they will be one of your best resources for obtaining knowledge and guidance about all areas of your academic life. Specifically, the advisors will discuss your course schedule, will help you decide if it is necessary to drop or add a class, and generally will provide the best academic guidance in order for you to obtain your degree on schedule.

As a Doctor of Pharmacy student your curriculum is very structured. Please check with your advisor **before** you make any changes in the courses in which you are registered. **Do not ask other University students or other University College (UC) advisors in other disciplines for advice** as it may not apply to you in the same manner.

As stated in the [University Catalog](#), "**The responsibility for meeting all course and credit requirements for the degree must rest with each individual student.**" Your academic advisor will assist, but you will ultimately determine the level of your success.

This student manual was prepared by the Office of Student Affairs in the College of Pharmacy to assist in your academic journey. It is important to recognize the need to maintain your academic performance during the next four semesters so that you do not lose your seat in the professional program. We urge you to work closely with your pharmacy advisor to ensure that you are meeting College of Pharmacy expectations.

The first part of this manual will apply to your pre-professional years (first year and sophomore) and the second part will allow you to look ahead to the professional years (P1-P4).



Technical Standards

In addition to the academic requirements for admission, applicants must also meet the technical standards that the College deems essential for training and practice in the profession of pharmacy. Students who have concerns about their ability to meet these standards should contact the Associate Dean of the College. When requested, the College will provide reasonable accommodation to otherwise qualified students. Students should work closely with the [Office of Disability, Access, and Inclusion](#) for support.

These functions include, but are not limited to:

Observation: A candidate must be able to observe demonstrations and experiments in the basic sciences. A candidate must be able to observe a patient accurately at a distance and close at hand. The candidate must be able to visually observe and interpret presented information. This will necessitate the functional use of vision, hearing, and somatic senses.

Communication: A candidate must be able to communicate effectively and sensitively with patients, caregivers, faculty/staff, and all members of the healthcare team. The focus of this communication is to elicit information, describe changes in mood, activity and posture, and perceive nonverbal communication. An applicant must be able to communicate effectively and efficiently orally and in writing.

Sensory/Motor: The candidate must have sufficient motor function and skills necessary to perform basic tasks in the practice of pharmacy. Examples of such tasks may include the compounding of medicinals, physical assessment, the administration of drugs, and the provision of basic cardiac life support. Such actions require the coordination of both gross and fine muscular movements, equilibrium, and functional use of the senses.

Intellectual: A candidate must have the ability to measure, calculate, reason, analyze, synthesize, and integrate information that is essential to fully develop these skills. A candidate must be fully alert and attentive at all times in clinical settings.

Behavioral/Social: A candidate must be of sufficient emotional health to utilize fully his or her intellectual abilities, the exercise of good judgment, and the prompt completion of all patient care responsibilities. A candidate must possess the ability to develop mature, sensitive, and effective relationships with patients. A candidate must be able to tolerate physically and emotionally taxing workloads and to function effectively under stress. A candidate must be able to adapt to changing environments, to display flexibility and learn to function in the face of uncertainties inherent in the clinical problems of many patients. A candidate must possess compassion, integrity, interpersonal skills, and motivation to excel in pharmacy practice.

Health: Certain illnesses impair a student's performance. These include, but are not limited to, active drug and/or alcohol addiction, severe depression and other psychiatric illnesses. It is not permissible for students to interact with patients while impaired by these conditions. It is the policy of the College of Pharmacy to encourage recognition of these conditions and to support treatment so that the student may resume their studies in the College.

General Education Requirements

All students enrolled in the Doctor of Pharmacy Program and the Bachelors of Science in Pharmaceutical Sciences Program are required to meet the University requirements for general education. General education consists of 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome but cannot be double counted towards the 40-credit total. At least one course must be a Grand Challenge (G designation). No more than twelve credits used to meet general education may be from the same course code, with the exception of honors HPR courses, which may have more than 12 credits. General education courses may also be used to meet requirements of the major or minor when appropriate.

General Education encompasses the following four key objectives (A-D), met by the following twelve outcomes:

A - Build **knowledge** of diverse peoples and cultures and of the natural and physical world through the following four outcomes:

A1 - Understand and apply theories and methods of the **science, technology, engineering, and mathematical (STEM) disciplines**

A2 - Understand theories and methods of the **social and behavioral sciences**

A3 - Understand the context and significance of the **humanities using theoretical, historical, and experiential perspectives**

A4 - Understand the context and significance of **arts and design**

B - Develop intellectual and interdisciplinary **competencies** for academic and lifelong learning through the following four outcomes:

B1 - **Write effective** and precise texts that fulfill their communicative purposes and address various audiences

B2- **Communicate effectively** via listening, delivering oral presentations, and actively participating in group work

B3 - Apply the appropriate **mathematical, statistical, or computational strategies to problem solving**

B4 - Develop **information literacy to independently research complex issues**

C - Exercise individual and social **responsibilities** through the following three outcomes:

C1- Develop and engage in **civic knowledge and responsibilities**

C2- Develop and exercise **global responsibilities**

C3- Develop and exercise **diversity and inclusion responsibilities**

D - **Integrate and apply** abilities and capacities developed under each of the 3 above areas, adapting them to new settings, questions, and responsibilities

D1 Demonstrate the ability to synthesize multiple knowledge perspectives, competencies and responsibilities

G - **Grand Challenge** – Exploration of multiple perspectives of areas of contemporary significance, including their ethical implications

G- At least one course must have the “G” designation for Grand Challenge

PRE-PROFESSIONAL CURRICULUM FOR PHARMD DEGREE

First Year			
FIRST SEMESTER	CREDITS (15 TOTAL)	SECOND SEMESTER	CREDITS (17 TOTAL)
CHM 101 General Chemistry I	3	CHM 112 General Chemistry II	3
CHM 102 Lab for Chemistry 101	1	CHM 114 Lab for Chemistry 112	1
WRT 106 Intro to Research Writing <u>or</u> COM 100 Communication Fundamentals	3	MTH 131 Applied Calculus <u>or</u> MTH 141 Calculus I	3
BIO 110 General Biology	3	WRT 106 Intro to Research Writing <u>or</u> COM 100 Communication Fundamentals	3
BIO 103 Lab for Bio 110	1	BIO 220 Anatomy/ Physiology I	3
PHL 212 Ethics	3	BIO 221 Anatomy/ Physiology I Lab	1
URI 101 Planning for Academic Success	1	Elective	3

Second Year			
FIRST SEMESTER	CREDITS (17 TOTAL)	SECOND SEMESTER	CREDITS (15 TOTAL)
CHM 227 Organic Chemistry Lecture 1	3	CMB 311 Introductory Biochemistry	3
ECN 201 Principles of Economics: Microeconomics 4	3	CHM 228 Organic Chemistry Lecture	3
CMB 201 Introductory Medical Microbiology	4	CHM 226 Organic Chemistry Lab	2
BIO 222 Anatomy/ Physiology II	3	STA 307 Introductory Biostatistics	4
BIO 223 Anatomy/ Physiology II Lab	1	Elective	3
Elective	3		

During your second year you may wish to take advantage of the [National Student Exchange Program](#) (contact the coordinator in University College) or the [Study Abroad Program](#) (housed in Taft Hall) for a semester. You need to work closely with the Assistant Dean in Pharmacy to plan accordingly, so that you will not lose your seat and complete all coursework in a timely manner.

Final permission for all off-campus work must be obtained from the Assistant Dean of Pharmacy, College of Pharmacy.

Curriculum Tracker

University of Rhode Island Doctor of Pharmacy (206 Credits Total)
 Fall 2024 – Spring 2025

General Education Guidelines: General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome but cannot be double counted towards the 40-credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (note: HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

General Education Credit Count					
<i>At least 40 credits, no more than 12 credits with the same course code.</i>					
COURSE	CR.	GRADE	COURSE	CR.	GRADE
BIO 110	3		PHP 308	3	
BIO 103	1		PHP 595	6	
CHM 101	3				
MTH 131	3				
PHL 212	3				
COM 100	3				
WRT 106	3				
ECN 201	3				
Total General Education Credits (must be \geq 40)					

General Education Outcome Audit		
	Course	Grade
KNOWLEDGE		
A1. STEM	BIO 110	
A2. Social & behavioral Sciences	ECN 201	
A3. Humanities	PHL 212	
A4. Arts & design		
COMPETENCIES		
B1. Write effectively	WRT 106	
B2. Communicate effectively	COM 100	
B3. Mathematical, statistical, or computational strategies	MTH 131	
B4. Information literacy	WRT 106	
RESPONSIBILITIES		
C1. Civic knowledge & responsibilities	COM100	
C2. Global responsibilities		
C3. Diversity & inclusion	PHL 212	
INTEGRATE & APPLY		
D1. Ability to synthesize	PHP 595	
GRAND CHALLENGE		
G. Check that at least one course of your 40 credits is an approved "G" course		

Note to all students: This worksheet is a snapshot of your entire curriculum. You must also complete remaining degree requirements to meet University requirements (GenEd, supporting electives, and free electives). You must work with your advisor each term to discuss requirements to keep you on course for timely progress to complete this major. Official requirements for graduation are listed in the [University Catalog](#).

University of Rhode Island Doctor of Pharmacy (206 Credits Total)

Fall 2024 – Spring 2025

About the Doctor of Pharmacy Program: The Doctor of Pharmacy curriculum is a ‘zero to six’ program, which means you begin as a freshman and complete the program in six years, graduating with a Doctor of Pharmacy degree. The program stresses critical thinking, active learning and clinical experience to prepare you for practice in a variety of professional settings.

Basic Non-Science Requirements	COURSE	GRADE	CR.
Microeconomics	ECN 201*		3
Ethics	PHL 212*		3
Communication	COM 100*		3
Research Writing	WRT 106*		3
Introduction to URI	URI 101		1

* These courses also fulfill general education requirements.

Basic Science Requirements	COURSE	GRADE	CR.
General Chemistry I	CHM 101*		3
General Chemistry I Lab	CHM 102		1
General Chemistry II	CHM 112		3
General Chemistry II Lab	CHM 114		1
Organic Chemistry Lab	CHM 226		2
Organic Chemistry I	CHM 227		3
Organic Chemistry II	CHM 228		3
General Biology	BIO 110*		3
General Biology Lab	BIO 103*		1
Anatomy and Physiology I	BIO 220/221		4
Anatomy and Physiology II	BIO 222/223		4
Microbiology	CMB 201		4
Biochemistry	CMB 311		3
Biostatistics	STA 307		4
Calculus	MTH 131*		3

* These courses also fulfill general education requirements.

You must have a 2.7 minimum QPA with no grade less than C- in your basic math and science (pre-professional) courses and an overall GPA of 3.00 to be eligible for progression into the professional curriculum.



URI COLLEGE OF PHARMACY PRE-PROFESSIONAL STUDENT MANUAL

University of Rhode Island Doctor of Pharmacy (206 Credits Total)

Fall 2024 – Spring 2025

Professional requirements							
P1 (1 st professional year)							
FIRST SEMESTER	COURSE	GRADE	CR.	SECOND SEMESTER	COURSE	GRADE	CR.
Pharmaceutics I	BPS 319		3	Biomed & Pharm Sci II	BPS 338		3
Biomed & Pharm Sci I	BPS 337		4	Clin & Ther Sci II	PHP 328		4
Clin & Ther Sci I	PHP 327		3	Integrated Lab I	PHC 316		1
Pharm Tech Lab	BPS 318		2	SAS II	PHP 308*		3
SAS I	PHP 307		3	Nutrition	NFS 444		3
Self-Care I	PHP 315		3	Immunizations	PHP 303		1
Service Learning Experience	PHP 340		1				
P2 (2 nd professional year)							
FIRST SEMESTER	COURSE	GRADE	CR.	SECOND SEMESTER	COURSE	GRADE	CR.
Biomed & Pharm Sci III	BPS 437		3	Biomed & Pharm Sci IV	BPS 438		3
Clin & Ther Sci III	PHP 427		4	Clin & Ther Sci IV	PHP 428		4
Integrated Lab II	PHC 415		1	Integrated Lab III	PHC 416		1
SAS III	PHP 407		3	SAS IV	PHP 408		3
Immunotherapeutics	PHP/ BPS 415		3	Self-Care II	PHP 418		3
Pharmaceutics	BPS 320		3	Professional Elective			3
IPPE I Community	PHP 450		2				
P3 (3 rd professional year)							
FIRST SEMESTER	COURSE	GRADE	CR.	SECOND SEMESTER	COURSE	GRADE	CR.
Biomed & Pharm Sci V	BPS 537		3	Biomed & Pharm Sci VI	BPS 538		2
Clin & Ther Sci V	PHP 527		4	Clin & Ther Sci VI	PHP 528		4
Integrated Lab IV	PHC 515		1	Capstone	PHP 548		4
Prec Med & Genomics	BPS/ PHP 547		3	SAS V	PHP 508		3
Pedi & Geri Tx	PHP 509		3	Professional Elective			3
IPPE II Health System	PHP 451		2				
Professional Elective			3				
P4 (4 th professional year)							
APPE rotations: Each rotation lasts for 6 weeks and is 6 credits.							
Community	PHP 591		6	Institutional/ Health System	PHP 594		6
Inpatient General Medicine	PHP 592		6	Ambulatory Care	PHP 595		6
Two (2) Electives	PHP 593		12				
Total Graduation Credits*							206
*Must be CPR certified which adds 1 credit to equal 206.							

Requirements for Progression into the Professional Program

PharmD students must request transfer from University College for Academic Success to the College of Pharmacy at the end of three semesters. There are three requirements for successful progression.

1. During your sophomore year, all students are required to have a formal interview (see [College of Pharmacy Admission Interview](#) on next page). Your progression to the professional program will be contingent upon a successful interview. The interview is designed to assess your commitment to the profession of pharmacy, knowledge of the profession, and ability to communicate with patients. Interviews will follow University policies for excused absences ([University Manual Section 8.51](#)). If a student fails to attend the scheduled interview for reasons outside of Section 8.51, the student will receive an automatic failure for their first interview and be allowed only one other opportunity to successfully interview. Otherwise, all students will be allowed a maximum of two interviews to successfully complete this program requirement. Students unsuccessful in completing the interview by the second attempt will be dismissed from the Pharm.D. program.
2. After three semesters, only those pharmacy students having a 2.70 grade point average or better in 13 of the 17 required preprofessional courses with no grade less than C- in any of these courses.
 - a. **CMB 201 and 311; BIO 110, 103, 220, 221, 222, and 223; CHM 101, 102, 112, 114, 226, 227, and 228; MTH 131; and STA 307**
 - b. Completion of **ECN 201, WRT 106, COM 100, and PHL 212**
3. An overall grade point average of 3.00.

Students admitted to the pre-pharmacy program are **NOT** necessarily guaranteed a place in the pharmacy program in the P1 year if these requirements are not met. Those URI pre-pharmacy students, who at the end of three semesters have satisfactorily completed **13 of the 17 pre-requisites science and math courses** and have a grade average on all required science courses of at least **2.70 with no grade lower than C-**, will be admitted in the pharmacy program after successful completion of the interview. ***You must maintain the 2.7 with nothing less than C- requirement during the fourth semester to keep your seat.***

Unsuccessful candidates will lose their pharmacy seat at the end of the third semester. The students still interested in pharmacy, will have to compete during the fourth semester, for any **remaining seats** with transfer students from other universities or URI students who wish to change their major to Pharmacy. Competition will be based on academic performance in the pre-pharmacy science courses, as well as a personal interview. In addition, all 16 of the above listed courses, will be used to compute the pre-professional gpa. If you lose your seat because your pre-professional gpa is < 2.7, your chances of successfully competing for a seat are limited given the number of transfer applicants each year. In **NO** case will students who have a grade average of less than 2.70 be admitted to the pharmacy program.

College of Pharmacy Admission Interview

As part of the admissions process into the College of Pharmacy, students are required to complete a standardized interview. The purpose of the interview is to assess characteristics related to personal and professional development as a pharmacist. Interviews will evaluate academic preparation, communication skills, professionalism, personal qualities, and future goals.

What to expect during the pre-pharmacy interview: You will be assigned an interview time early in the spring semester of your sophomore year. *Those studying abroad for a semester will interview late in the fall prior to leaving the country.*

Small groups of students will be assigned to each room with 3 interviewers: a faculty member, a preceptor or alumni, and a P3/P4 student. You will be asked questions from 4 domains:

- Commitment to Pharmacy Profession
- Conflict Resolution
- Personal Insight
- Commitment to Patient-centered Care

During the interview, it is helpful to provide detailed answers and specific examples, avoid “yes” and “no” responses. Your answers should depict specific examples where you have demonstrated the necessary skills to become a pharmacist and show your commitment towards this career path. Speak clearly and concisely, avoid saying filler phrases: um, uh, like, you know, in other words, etc.

Interviews should take approximately 45 minutes. You will not be provided any feedback on your performance after the interview; please do not ask the interviewers how you did.

How to prepare for the pre-pharmacy interview: Reflect upon the reasons that motivate you to become a pharmacist and specific reasons you came to this decision. It will help you to research contemporary issues impacting pharmacy and health-care practices. Come prepared with questions to ask your interview team about school or pharmacy practice, interviewers will be expecting questions upon conclusion of the interview.

An information session and mock interviews are often offered prior to the formal interviews. Take advantages of opportunities to assist you in preparation for the interview, many students find this helpful. It will provide a chance for you to think on your feet and feedback is included on how to improve your performance. *Be sure to check your email regularly throughout the fall semester for dates and times, including your assigned interview time. If you are not receiving emails through the listserv, please contact the Assistant Dean.*

Completing the writing sample. You will be asked to complete a short writing sample with the scheduled pre-pharmacy interview. We are looking for well-constructed essays, not necessarily how much you can write, in the allotted 30-minute time.

Professional dress is recommended.

Pharmacy Organizations

As a new student at URI, you will find that the student pharmacy organizations have many things to offer to you. One benefit is the opportunity to meet other students in pharmacy--not only your own classmates but the upperclassmen who can give you added insight into what is ahead.

Pharmacy organizations offer you a chance to meet people in pharmacy, have a voice in your education, gain information about the curriculum and add to your knowledge through professional service projects. It is definitely worth your while to get involved.

Please see the flyer you were provided in URI 101 listing current pharmacy organizations. This information is also available on the College of Pharmacy website.

Additional Resources

Some of you may find that your adjustment to college does not go as well as you had expected. This is common; you are experiencing a lot of change in a short period of time. Remember that the University is here to help you when problems of any kind arise. For more information you should visit the website <https://web.uri.edu/ucas/>. Also, the academic advisors are prepared to refer you to the appropriate office for any specific problems you may have. **Please do not wait until it is too late to ask for help.**

