



# THE UNIVERSITY OF RHODE ISLAND

2020-2021  
Catalog  
Year  
Effective  
Fall 2020  
Class of  
2024

## Pharmaceutical Sciences-BS

120 Credits Total

Page 2 (53 Pre-requisite credits, including  
19 gen ed cr)

<b>Basic Non-Science Requirements</b> (*these courses also fulfill 9 cr of general education requirements)	<b>Course</b>	<b>Grade</b>	<b>Cr</b>	<b>Semester Plan</b>
Careers in Pharmaceutical Science	BPS 250		1	
Communication *B2, C1	COM 100		3	
Microeconomics *A2	ECN 201		3	
Research Writing *B1, B4	WRT 106		3	
Introduction to URI	URI 101		1	

<b>Basic Science /Math Requirements</b> (*these courses also fulfill 10 cr of general education requirements)	<b>Course</b>	<b>Grade</b>	<b>Cr</b>		<b>QPA</b>
General Biology *A1	BIO 101		3		
General Biology Lab *A1	BIO 103		1		
Human Anatomy & Physiology I	BIO 220		3		
Human Anatomy and Physiology I lab	BIO 221		1		
Human Anatomy and Physiology II	BIO 222		3		
Human Anatomy and Physiology II lab	BIO 223		1		
General Chemistry I *A1	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		
Microbiology	CMB 201		4		
Biochemistry	CMB 311		3		
Calculus (or MTH141) *A1, B3	MTH131		3		
Intro to Statistics (or STA 307, 3 cr)	STA 308		4		

\* Course approved for General Education

## B.S.P.S. Progression, Retention, and Graduation requirements

B.S.P.S. students request transfer from University College for Academic Success to the College of Pharmacy during the semester in which they are enrolled to complete all science and mathematics pre-requisite courses (BIO 101, 103, 220, 221, 222, 223; CHM 101, 102, 112, 114, 227, and 228; CMB 201 and 311; MTH 131 or 141; and STA 308 or 307). Transfer requests will be reviewed and acted upon after grades are posted for the enrolled courses.

Only those students having an equal or greater than 2.30 grade point average in the required pre-requisite courses (BIO 101, 103, 220, 221, 222, 223; CHM 101, 102, 112, 114, 227, and 228; CMB 201 and 311; MTH 131 or 141; and STA 308 or 307), and an overall cumulative grade point average of 2.00 or above will be admitted to the College of Pharmacy for the B.S. Pharmaceutical Sciences degree. Applicants not meeting the criteria will not be considered for admission to the college.

### Pharmaceutical Sciences-BS

120 Credits Total

Page 3 (45 Credits in the Major)

2020-2021 Catalog Year

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<b>Major Requirements (Courses specifically listed are required, 33 credits)</b>			
<b>3rd Year - Fall Semester</b>	<b>Course</b>	<b>Grade</b>	<b>Cr.</b>
Dosage I	BPS 301		2
Medicinal Chemistry	BPS 313		2
Pharmaceutics II	BPS 315		4
Intro to Pharmaceutical Research	BPS 345		3
Pharmacology I	BPS 401		3
<i>General Education Course</i>			3
<b>3rd Year - Spring Semester</b>			
Pharmacokinetics	BPS 306		2
Drug Metabolism	BPS 325		2
Pharmacology II	BPS 402		3
cGMP Processes	BPS 425		3
Formulations and Manufacturing Lab	BPS 443		2
<i>BSPS Prof Elective: Suggested course: BPS 445</i>			3
<b>4th Year - Fall Semester</b>			
BSPS Professional Elective			3-4
Med Chem and Mol Bio Techniques Lab	BPS 451		4
<i>BSPS Prof Elective: Suggested Course BPS 497</i>			3
<i>General Education Course</i>			3
<i>General Education Course or elective</i>			3
<b>4th Year - Spring Semester</b>			
<i>BSPS Prof. Elective Suggested BPS 446</i>			3
<i>BSPS Prof. Elective Suggested BPS 498</i>			3

<i>BSPS Prof. Elective or elective</i>			3
<i>Gen Ed</i>			3
<i>Gen Ed or elective</i>			3

**BSPS Professional Electives (12 credits required)**

Re-write from slots above

<b>Suggested Course Code</b>	<b>Substituted Course Code, Course Name</b>	<b>Grade</b>	<b>Cr.</b>
<i>BPS 445</i>			
<i>BPS 446</i>			
<i>BPS 497</i>			
<i>BPS 498</i>			
<i>BSPS Professional Elective</i>			

\*\* Students have the option to tailor their academic program to prepare them for the specific career paths that they choose by taking 15 credits of BSPS pre-approved professional electives. At least 6 of the 12 credits of Professional Electives credits must be under BPS, PHP, or PHC course codes

# B.S in Pharmaceutical Sciences (2020-2021 Catalog)

Class of 2024

Requirements by Semester Sequence

For course titles and pre-requisite information, please visit: [uri.edu/catalog](http://uri.edu/catalog)

Fall	Spring	Milestones
<b>Year One</b>		
CHM 101* and 102	CHM 112 and 114	Complete BIO, CHM, MTH pre-reqs
BIO 101* and 103*	BIO 220 and 221	Pre-Professional GPA of 2.30 or higher
MTH 103* or MTH 131*	MTH 131 (or if completed, Gen Ed)*	Cumulative GPA of 2.0 or higher
COM 100* or Gen Ed	WRT 106* or Gen Ed	Complete 30 cr.
URI 101	Gen Ed (optional)	
(15 cr. total)	(14-17 cr. total)	

<b>Year Two</b>		
CHM 227	CHM 226	Complete BIO, CHM, CMB, STA pre-reqs
BIO 222 and 223	CHM 228	Pre-Professional GPA of 2.30 or higher
CMB 201	CMB 311	Cumulative GPA of 2.0 or higher
ECN 201* or Gen Ed	STA 308 or 307	Complete 60 cr.
BPS 250	Gen Ed*	Meet progression standards for move from UC to College of Pharmacy
(15 cr. total)	(15-16 cr. total)	

<b>Year Three</b>		
BPS 301	BPS 306	Advanced knowledge of Pharmacology, Medicinal Chemistry, Pharmacokinetics, and Pharmaceutics
BPS 313	BPS 325	
BPS 315	BPS 402	
BPS 345	BPS 425	Maintain Professional GPA of 2.3 or higher
BPS 401	BPS 443	Cumulative GPA of 2.0 or higher
Gen Ed*	BSPS Prof. Elective <i>Suggested BPS 445</i>	Complete 90 cr.
(14-17 cr total)	(15 cr total)	

<b>Year Four</b>		
BSPS Professional Elective	BSPS Prof. Elective <i>Suggested BPS 498</i>	Knowledge of Pharmacogenomics, Laboratory Methods,
BPS 451	BSPS Prof. Elective <i>Suggested BPS 446</i>	
BSPS Prof. Elective <i>Suggested BPS 497</i>	BSPS Prof. Elective	
Gen Ed*	Gen Ed*	Maintain Professional GPA of 2.3 or higher Cumulative GPA of 2.0 or higher
Gen Ed* or elective	Gen Ed* or elective	
(16 cr total)	(15 cr. total)	Complete 120 cr. for graduation

Note: This plan is not intended to be prescriptive. Credits in transfer, as well as summer or j-term coursework, may result in deviations from the above recommendations.