

THE UNIVERSITY OF RHODE ISLAND

International Pharmaceutical Sciences(IPSP)

Double major: Pharmaceutical Sciences and Language

Pharmaceutical Science-BS

FALL 18-SPRING 19

Minimum 120 credits for graduation

Basic Non-Science Requirements (*these courses also fulfill general education requirements)	Course	Cr
Careers in Pharmaceutical Science	BPS 250	1
Communication *B2	COM 100	3
Microeconomics *A2	ECN 201	3
Research Writing *B1, B4	WRT 106	3
Introduction to URI	URI 101	1

Basic Science /Math Requirements	Course	Cr
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
General Biology *A1	BIO 101	3
General Biology Lab	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
Microbiology	CMB 201	4
Biochemistry	CMB 311	3
Intro to Statistics	STA 308	4
Calculus *A1, B3	MTH131 or 141	3/4

BSPS Core Requirements		
3rd Year- 1st Semester		
	Course	Cr.
Dosage I	BPS 301	2
Pharmaceutics II	BPS 315	4
Medicinal Chemistry	BPS 313	2
Intro to Pharmaceutical Research	BPS 345	3
Pharmacology I	BPS 401	3
3rd Year-2nd Semester		
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
4th Year- Academic Year Abroad	<i>See academic map for course planning</i>	
5th Year- 1st Semester		
Pharmacogenetics/genomics	BPS 442	3
Techniques Lab	BPS 451	4
BSPS Professional Elective	BPS 498	3
5th Year- 2nd Semester		
BSPS Professional Elective <i>Suggested course: BPS 445</i>	BPS 445	3
BSPS Professional Elective <i>Suggested course: BPS 446</i>	BPS 446	3
BSPS Professional Elective (option or taken year abroad)		3

BSPS 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.

German-BA
30-45 Credits in Major

FALL 2018-SPRING 2019

GER Major Requirements:

Course	Semester	Credits	Grade
GER 4 ____		3	
Six (6) credits in German Literature, at least three (3) credits at the 400-level			
GER 4 ____		3	
GER ____		3	
Twenty-one (21) credits of German electives			
GER ____		3	
GER ____		3	
GER ____		3	
GER ____		3	
GER ____		3	
GER ____		3	
GER ____		3	
<i>Optional Major Electives (do not exceed 45 GER credits)</i>			
GER 101, 102, and 111 will not count toward the major.			
Students completing the International Pharm Science Program (IPSP) with a major in German must complete GER 411			
Both major and cumulative GPA must be 2.00 or higher in order to graduate			

42 credits at the 300-level or higher
(major and general education courses may fulfill this requirement)

Course	Credits	Course	Credits

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM CHM101, MTH 103, MTH131	BIO101
A2. Social & Behavioral Sciences	ECN201
A3. Humanities	GER XXX
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	WRT106
B2. Communicate effectively	COM100
B3. Mathematical, statistical, or computational strategies	MTH103/131
B4. Information literacy	WRT106
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	GER XXX
C3. Diversity and inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	

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.

PHARMACEUTICAL SCIENCE - GERMAN IPSP (Double Major Pharm Sci and German Language)

Starting point in German language will be determined by placement. GER 101, 102, and 111 do not count towards major credit.

Freshman Year					
Fall Semester			Spring Semester		
Course Title	Course Code	Credits	Course Title	Course Code	Credits
General Chemistry I (A1)	CHM 101	3	General Chemistry II	CHM 112	3
General Chemistry Lab I	CHM 102	1	General Chemistry Lab II	CHM 114	1
General Biology I (A1)	BIO 101	3	Anatomy and Physiology 1 wlab	BIO 220/221	4
General Biology Lab 1 (A1)	BIO 103	1	Applied Calculus or Gen Ed	MTH 131	3
Intensive Beginning German 1	GER 111	4	Research Writing (B1, B4)	WRT 106	3
Planning for Academic Success	URI 101	1	Intensive Beginning German 2	GER 112	4
MTH 103 or 131		3			
Total		16	Total		18

Sophomore Year					
Fall Semester			Spring Semester		
Course Title	Course Code	Credits	Course Title	Course Code	Credits
Organic Chemistry Lecture I	CHM 227	3	Organic Chemistry Laboratory	CHM 226	2
Introductory Medical Microbiology	CMB 201	4	Organic Chemistry Lecture II	CHM 228	3
Anatomy and Physiology 2 w/lab	BIO 222/223	4	Introductory Biochemistry	CMB 311	3
Prof. Dev & Careers in Pharm Science	BPS 250	1	Introductory Statistics	STA 308	4
Principles of Microeconomics (A2)	ECN 201	3	Communication Fundamentals(B2,C1)	COM 100	3
Intensive Intermediate German 1	GER 113	4	Intensive Intermediate German 2	GER 114	4
Total		19	Total		19

Junior Year					
Fall Semester			Spring Semester		
Course Title	Course Code	Credits	Course Title	Course Code	Credits
Dosage Forms I	BPS 301	2	Drug Metabolism and Bioanalysis	BPS 325	2
Pharmaceutics II	BPS 315	4	Formulation and Manufacturing Lab	BPS 443	2
Pharmaceutical Pharmacology I	BPS 401	3	GMPs Manufacture Pharm Product	BPS 425	3
Principles of Medicinal Chemistry	BPS 313	2	Pharmaceutical Pharmacology II	BPS 402	3
Intro to Pharmaceutical Research	BPS 345	3	Pharmacokinetics	BPS 306	2
Conversation and Composition 1	GER 205	3	Conversation and Composition 2	GER 206	3
Total		17	Total		15

International Year					
Semester Abroad			International Internship Semester		
Course Title	Course Code	Credits	Course Title	Course Code	Credits
German Language Course	GER 3XX	4	GER Language/Culture Study Abroad	GER 315/316	6
Technical German Course	GER 411	3	Field Experience	ITR 301	3
General Education/Elective		3	Colloquium	ITR 303	3
BSPS Prof. Elective		3			
German Language Course	GER 2XX, 3XX	3			
Total		16	Total		12

Senior Year					
Fall Semester			Spring Semester		
Course Title	Course Code	Credits	Course Title	Course Code	Credits
Tech in Med Chem & Molecular Bio	BPS 451	4	BSPS Elective		3
BSPS Elective		3	BSPS Elective		3
Pharmacogenetics&Pharmacogenom	BPS 442	3	General Education/Elective		3
General Education/Elective		3	General Education/Elective		3
German Advanced Lit/Culture course	GER 4XX	3	General Education/Elective		3
			German Advanced Lit/Culture course	GER3XX/4XX	3
Total		16	Total		18