

**BUTLER UNIVERSITY COLLEGE OF PHARMACY AND HEALTH SCIENCES**  
**DOCTOR OF PHARMACY PROGRAM**  
**For Students Entering P-1 for Fall 2011/Graduating in Spring 2015**  
*(Freshman class in 11-12)*  
**Approved by Faculty 5/20/2011**  
**Updated 08.04.2011**

**MEDICAL SPANISH TRACK**

Students may formally declare the COPHS Medical Spanish Track either as preprofessional or professional phase pharmacy students. Successful completion of the COPHS Medical Spanish Track requires the completion of a minimum of 12 credit hours of medical Spanish coursework taken as medical Spanish courses having the RX course designator, and the 12 credit hours must include RX692, an APPE rotation with a Spanish-language focus. Students receiving a placement of SP305 or higher on the Spanish language placement test will be awarded 3 hours of "back credit" for RX615, Introduction to Medical Spanish, upon completion of 9 credit hours of COPHS medical Spanish courses. RX617, Advanced Medical Spanish, or permission of the instructor, is a prerequisite for the RX692 APPE rotation. The following courses may be used to satisfy completion of the Medical Spanish Track:

- RX615 Introduction to Medical Spanish (204 level) – 3 credit hours
- RX617 Advanced Medical Spanish (300 level) – 3 credit hours
- RX619 Medical Spanish Service Learning (300/400 level) – 3 credit hours
- RX611-68 Spanish Language Immersion trip to Mexico (100-300 level) – 3 credit hours
- RX692 APPE Alivio Clinic Rotation or approved equivalent (300/400 level) – 4 credit hours

**FIRST PREPHARMACY YEAR OF THE CURRICULUM:**

COURSES (FALL SEMESTER)	SEM HRS	COURSES (SPRING SEMESTER)	SEM HRS
FYS 101 Freshman Year Seminar	3	FYS 102 Freshman Year Seminar	3
CH105 General Chemistry (with lab)	5	CH106 General Chemistry (with lab)	5
MA106 Calculus and Analytical Geom I	5	BI105 Introductory Cell Biology	3
----- Core (T&I, PCA, or SW)	3	----- Core (T&I, PCA, or SW)	3
PX100 Health Sciences Seminar	1	COM102 Public Speaking	2
		PWB XXX Physical Well-being	1
Total Semester Hours	17	Total Semester Hours	17

**SECOND PREPHARMACY YEAR OF THE CURRICULUM:**

COURSES (FALL SEMESTER)	SEM HRS	COURSES (SPRING SEMESTER)	SEM HRS
GHS20X Global and Historical Studies	3	GHS20X Global and Historical Studies	3
CH351 Organic Chemistry (with lab)	5	CH352 Organic Chemistry (with lab)	5
PX311 Human Anatomy (without lab)	3	BI325 Pathogenic Microbiology (with lab)	3
PX325 Ethical Issues in Health Care	3	PX315 Human Physiology (without lab)	4
----- Core (T&I, PCA, or SW)	3	PX200 Introduction to Professional Practice	2
Total Semester Hours	17	Total Semester Hours	17

**FIRST PROFESSIONAL YEAR OF THE CURRICULUM:**

COURSES (FALL SEMESTER)	SEM HRS	COURSES (SPRING SEMESTER)	SEM HRS
RX350 Introduction to Pharmaceutical Care 1	3	RX351 Introduction to Pharmaceutical Care 2	4
RX316 Pathophysiology	4	RX324 Clinical Assessment	2
RX312 Clinical Biochemistry	4	RX314 Pharmaceutical Biotechnology	3
BI323 Immunology (no lab)	2	RX318 Introduction to Principles of Drug Action	5
----- Liberal Education Elective §§ <b>Possible Spanish Elective</b>	3	RX320 Delivery of Health Care	2
RX301 Intro to Pharmacy Practice Experience 1	0		
RX327 Introduction to Drug Information and Literature Evaluation	1		
Total Semester Hours	17	Total Semester Hours	16

§§ Liberal education courses may be any non-science, non-mathematics courses. Courses must be taken for a grade. They may not be taken pass-fail. **Placement of these courses in the curriculum may be interchanged with the Core courses (T&I, PCA, SW) listed in the preprofessional years.**

**SECOND PROFESSIONAL YEAR OF THE CURRICULUM:**

COURSES (FALL SEMESTER)	SEM HRS	COURSES (SPRING SEMESTER)	SEM HRS
RX411 Prin of Drug Action 1	4	RX412 Prin of Drug Action 2	4
RX413 Therapeutics 1	3	RX414 Therapeutics 2	3
RX403 Therapeutics 1 Case Studies	1	RX404 Therapeutics 2 Case Studies	1
RX421 Introduction to Dosage Forms	4	RX422 Advanced Dosage Forms	4
RX415 Self-Care and Health Promotion 1	2	RX416 Self-Care and Health Promotion 2	3
----- Liberal Education Elective §§ <b>Possible Spanish Elective</b>	3	RX432 Personnel and Financial Management	3
RX401 Intro to Pharmacy Practice Experience 2	0		
Total Semester Hours	17	Total Semester Hours	18

**THIRD PROFESSIONAL YEAR OF THE CURRICULUM:**

COURSES (FALL SEM.)	SEM HRS	COURSES (SPRING SEM.)	SEM HRS
RX511 Prin of Drug Action 3	4	RX514 Therapeutics 4	3
RX513 Therapeutics 3	3	RX504 Therapeutics 4 Case Studies	1
RX503 Therapeutics 3 Case Studies	1	RX528 Advanced Drug Information and Literature Evaluation	2
RX522 Pharmacokinetics and Biopharmaceutics	3	RX526 Pharmacy and the Law	3
RX527 Biostatistics and Research Design	3	RX523 Clinical Pharmacokinetics	3
RX---- Professional Electives* <b>Possible Spanish Elective</b>	2	RX500 Intro to Experiential Rotations	1
RX501 Intro to Pharmacy Practice Experience 3	0	RX --- Professional Electives <b>Possible Spanish Elective</b>	3
Total Semester Hours	16	Total Semester Hours	16

\*A total of five semester hours of professional electives must be completed by the end of the P-3 year.

**FOURTH PROFESSIONAL YEAR OF THE CURRICULUM:**

COURSES (SUMMER TERM, FALL SEMESTER, SPRING SEMESTER)	SEM HRS
RX6-- Ten One-month Experiential Rotations (4 semester credit hours each) INCLUDING - RX692 APPE Alivio Clinic Rotation or approved equivalent (300/400 level) – 4 cr hrs	40
RX607 Pharm.D. Senior Seminar I (fall semester)	1
RX608 Pharm.D. Senior Seminar II (spring semester)	1
Total Semester Hours	42

**TOTAL CREDIT HOURS REQUIRED FOR GRADUATION:** 210