

**B.S. PHARMACEUTICAL SCIENCE**  
**(“CHEMISTRY” TRACK) (120 Credits)**

<b>Freshman Year</b>			
CHEM 160: General Chemistry 1	3	CHEM 162: General Chemistry 2	3
CHEM 161: General Chemistry 1 Lab	1	CHEM 163: General Chemistry 2 Lab	1
CHEM 180: Intro. to Chem. Enterprise	1	MATH 140	3
BIOL 160: General Biology I	3	CORE 100 1 <sup>st</sup> Year Seminar OR THEO 111	3
BIOL 161: General Biology I Lab	1	PHIL 100: Ethics as Intro	3
CORE 100 1 <sup>st</sup> Year Seminar OR THEO 111	3	Historical Perspectives Elective	3
ENGL 101 Engl Comp OR ENGL 115 Rhetoric	3	CORE 102: GOA	0
CORE 101: GOA	0		
	15		16

<b>Sophomore Year</b>			
CHEM 240: Organic Chemistry 1	3	CHEM 242: Organic Chemistry 2	3
CHEM 241: Organic Chemistry 1 Lab	1	CHEM 243: Organic Chemistry 2 Lab	1
PHYS 160: College Physics I	3	PHYS 162: College Physics II	3
PHYS 161: Introductory Physics Lab I	1	PHYS 163: Introductory Physics Lab II	1
MATH 141	3	CHEM 226: Quantitative Analysis	3
		CHEM 227: Quantitative Analysis Lab	1
Second Language I	3	Second Language II	3
	14		15

<b>Junior Year</b>			
CHEM 220: Principles of Physical Chemistry	3	CHEM 440: Biochemistry	3
CHEM 340: Instrumental Analysis	3	CHEM 341: Instrumental Analysis Lab	1
BIOL 140: Anat. & Phys. 1	3	BIOL 142: Anat. & Phys. 2	3
BIOL 141: Anat. & Phys. Lab 1	1	BIOL 143: Anat. & Phys. Lab 2	1
ENG 205: Lit & the Moral Imagination	3	SOCI 101: Introduction to Sociology	3
PHIL 200: Philosophical Perspectives Elective	3	MATH 146: Biostatistics	3
	16		14

<b>Senior Year</b>			
CHEM 400: Research	1	CHEM 400: Research	1
CHEM 250: Quality Science Regulations	3	CHEM 435: Medicinal Chemistry	3
CHEM 450: Topics in Organic Chemistry	3	BIOL 200: Microbiology	3
BIOL 310: Foundations of Pharmacology	3	BIOL 201: Microbiology Lab	1
Creative Perspectives Elective	3	PSYC 101: General Psychology	3
Theological Perspectives Elective (E/RS)	3	Humanities Elective	3
	16		14

**B.S. PHARMACEUTICAL SCIENCE  
("BIOLOGY" TRACK) (120 Credits)**

<b>Freshman Year</b>			
CHEM 160: General Chemistry 1	3	CHEM 162: General Chemistry 2	3
CHEM 161: General Chemistry 1 Lab	1	CHEM 163: General Chemistry 2 Lab	1
CHEM 180: Intro. to Chem. Enterprise	1	BIOL 162: General Biology II*	3
BIOL 160: General Biology I	3	BIOL 163: General Biology Lab II*	1
BIOL 161: General Biology I Lab	1	CORE 100 1 <sup>st</sup> Year Seminar OR THEO 111	3
CORE 100 1 <sup>st</sup> Year Seminar OR THEO 111	3	PHIL 100: Ethics as Intro	3
ENGL 101 Engl Comp OR ENGL 115 Rhetoric	3	CORE 102: GOA	0
CORE 101: GOA	0		
	15		14

<b>Sophomore Year</b>			
CHEM 240: Organic Chemistry 1	3	CHEM 242: Organic Chemistry 2	3
CHEM 241: Organic Chemistry 1 Lab	1	CHEM 243: Organic Chemistry 2 Lab	1
PHYS 160: College Physics I	3	BIOL 230: Genetics	3
PHYS 161: Introductory Physics Lab I	1	BIOL 231: Genetics Lab	1
MATH 140	3	MATH 141	3
Second Language I	3	Second Language II	3
	14		14

<b>Junior Year</b>			
CHEM 220: Principles of Physical Chemistry	3	CHEM 440: Biochemistry	3
BIOL 140: Anat. & Phys. 1	3	BIOL 142: Anat. & Phys. 2	3
BIOL 141: Anat. & Phys. Lab 1	1	BIOL 143: Anat. & Phys. Lab 2	1
ENG 205: Lit & the Moral Imagination	3	MATH 146: Biostatistics	3
SOCI 101: Introduction to Sociology	3	PHIL 200: Philosophical Perspectives Elective	3
Historical Perspectives Elective	3	Creative Perspectives Elective	3
	16		15

<b>Senior Year</b>			
CHEM 400: Research	1	CHEM 400: Research	1
CHEM 250: Quality Science Regulations	3	CHEM 435: Medicinal Chemistry	3
BIOL 310: Foundations of Pharmacology	3	BIOL 200: Microbiology	3
Biology Electives*	8	BIOL 201: Microbiology Lab	1
* Or, 5 cr. Bio Elec. & 3 cr. General Elec.		PSYC 101: General Psychology	3
		Humanities Elective	3
		Theological Perspectives Elective (E/RS)	3
	15		17

**B.S. PHARMACEUTICAL SCIENCE  
("BUSINESS" TRACK) (121 Credits)**

<b>Freshman Year</b>			
CHEM 160: General Chemistry 1	3	CHEM 162: General Chemistry 2	3
CHEM 161: General Chemistry 1 Lab	1	CHEM 163: General Chemistry 2 Lab	1
CHEM 180: Intro. to Chem. Enterprise	1	MATH 140	3
BIOL 160: General Biology I	3	CORE 100 1 <sup>st</sup> Year Seminar OR THEO 111	3
BIOL 161: General Biology I Lab	1	PHIL 100: Ethics as Intro	3
CORE 100 1 <sup>st</sup> Year Seminar OR THEO 111	3	Historical Perspectives Elective	3
ENGL 101 Engl Comp OR ENGL 115 Rhetoric	3	CORE 102: GOA	0
CORE 101: GOA	0		
	15		16

<b>Sophomore Year</b>			
CHEM 240: Organic Chemistry 1	3	CHEM 242: Organic Chemistry 2	3
CHEM 241: Organic Chemistry 1 Lab	1	CHEM 243: Organic Chemistry 2 Lab	1
PHYS 160: College Physics I	3	PHYS 162: College Physics II*	3
PHYS 161: Introductory Physics Lab I	1	PHYS 163: Introductory Physics Lab II*	1
MATH 141	3	ENG 205: Lit & the Moral Imagination	3
Second Language I	3	Second Language II	3
	14		14

\*Option: BIOL 162/163 (?)

<b>Junior Year</b>			
CHEM 250: Quality Science Regulations	3	CHEM 440: Biochemistry	3
BIOL 140: Anat. & Phys. 1	3	BIOL 142: Anat. & Phys. 2	3
BIOL 141: Anat. & Phys. Lab 1	1	BIOL 143: Anat. & Phys. Lab 2	1
MATH 146: Biostatistics	3	FINC 300: Business Finance	3
ACCT 200: Introductory Financial Acct	3	Theological Perspectives Elective (E/RS)	3
PHIL 200: Philosophical Perspectives Elective	3	Historical Perspectives Elective	3
	16		16

<b>Senior Year</b>			
BIOL 310: Foundations of Pharmacology	3	CHEM 435: Medicinal Chemistry	3
ECON 200: Microeconomic Principles	3	BIOL 200: Microbiology	3
SOCI 101: Introduction to Sociology	3	BIOL 201: Microbiology Lab	1
Theological Perspectives Elective (E/RS)	3	BLAW 300 <u>or</u> MGMT 300 <u>or</u> MKTG 300*	3
Creative Perspectives Elective	3	PSYC 101: General Psychology	3
		Humanities Elective	3
	15		15