

# BIOLOGY (B.S.) LEADING TO PHARM.D.

Salve Regina University along with the University of Saint Joseph offers a pathway for students to earn their Doctor of Pharmacy in six years. Students complete three years of study in biology at Salve Regina, followed by three years in Saint Joseph's Pharm.D. program. Before conferral of the B.S. in Biology from Salve Regina University, the student must request that University of Saint Joseph forward transcripts to verify completion of all required course work. See Pharmacy Dual Degree (<https://catalog.salve.edu/undergraduate/academic-programs/pharmacy-3-3-dual-degree/>) for more information.

Biology (B.S.) majors in the 3+3 pharmacy dual degree complete a minimum of 120 credits to earn a bachelor's degree, including 41–44 credits of core courses (<https://catalog.salve.edu/undergraduate/curriculum-degree-programs/>) and 83–84 credits (26 courses) in their major (includes courses taken at St. Joseph that transfer over to Salve Regina University to complete B.S. requirements):

Code	Title	Credits
BIO-113	Biology I	4
BIO-114	Biology II	4
BIO-210	Microbiology	4
BIO-220	Cell Biology and Chemistry	4
BIO-253	Genetics: Classical, Molecular and Population	4
BIO-305	Human Anatomy	4
BIO-325	Human Physiology	4
BIO-471	Biology Seminar	3
CHM-113	General Chemistry I	4
CHM-114	General Chemistry II	4
CHM-205	Organic Chemistry I	4
CHM-206	Organic Chemistry II	4
MTH-191 or MTH-195	Applied Calculus Calculus I	3-4
STA-173	Statistical Methods	3
PHY-201	General Physics I	4
PHY-202	General Physics II	4
ECN-101 or ECN-102	Introductory Macroeconomics Introductory Microeconomics	3
<b>Total Credits</b>		<b>64-65</b>

## Degree Plan for Biology (B.S.) Leading for Pharm.D.

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
FYT-101	First Year Studio	1
UNV-101	University Seminar	3
BIO-113	Biology I	4
CHM-113	General Chemistry I	4
MTH-191 or MTH-195	Applied Calculus or Calculus I	3-4
	<b>Credits</b>	<b>15-16</b>
<b>Spring</b>		
UNV-102	University Seminar II	3
BIO-114	Biology II	4

CHM-114	General Chemistry II	4
STA-173	Statistical Methods	3
ECN-101	Introductory Macroeconomics	3
	<b>Credits</b>	<b>17</b>

### Second Year

<b>Fall</b>		
GST-098	Sophomore Studio <sup>4</sup>	1
RTS-225 or PHL-225	The Quest for the Ultimate: Dialogue with Global Religious Traditions <sup>1</sup> or Quest for the Good Life	3
BIO-220	Cell Biology and Chemistry	4
CHM-205	Organic Chemistry I	4
Foreign Language Core Course		3
Literature Core Course		3
	<b>Credits</b>	<b>18</b>

### Spring

RTS-225 or PHL-225	The Quest for the Ultimate: Dialogue with Global Religious Traditions <sup>1</sup> or Quest for the Good Life	3
CHM-206	Organic Chemistry II	4
BIO-253	Genetics: Classical, Molecular and Population	4
Foreign Language Core Course		3
Visual & Performing Arts Core Course		3
	<b>Credits</b>	<b>17</b>

### Third Year

<b>Fall</b>		
BIO-210	Microbiology	4
BIO-305	Human Anatomy	4
PHY-201	General Physics I	4
History Core Course		3
	<b>Credits</b>	<b>15</b>

### Spring

BIO-471	Biology Seminar	3
BIO-325	Human Physiology	4
PHY-202	General Physics II	4
Social Science Core Course		3
Core Course in RTS or PHL		3
	<b>Credits</b>	<b>17</b>

### Fourth Year

#### Fourth Year at University of Saint Joseph

PHRM700	Introduction to the Profession of Pharmacy <sup>2</sup>	3
PHRM712	Biochemical Principles in Healthcare <sup>1 2</sup>	3
PHRM735	Evidence-based Practice <sup>1</sup>	3
PHRM729	Pharmacy Law <sup>1</sup>	2
PHRM704	Dosage Form Design and Calculations <sup>1 2</sup>	4
PHRM706	Dosage Form Design and Calculations Laboratory	1
PHRM705	Dosage Form Design and Calculations <sup>2</sup>	4
PHRM709	Immunization Certification	2
PHRM771	Introductory Pharmacy Practice Experience <sup>1</sup>	2
PHRM713	Biochemical Principles in Healthcare <sup>2</sup>	3
PHRM720	Pharmacy Administration and Pharmacoeconomics	4
PHRM715	Fundamentals of Drug Action <sup>1 2</sup>	2
PHRM730	Patient Care Pharmacy Practice <sup>1</sup>	3
PHRM708	Basic and Applied Pharmacokinetics <sup>2</sup>	4
PHRM731	Patient Care Pharmacy Practice <sup>2</sup>	3
PHRM734	Operational Pharmacy Practice Laboratory	1
PHRM736	Evidence-based Practice <sup>2</sup>	2
	<b>Credits</b>	<b>46</b>

### Fifth Year

<b>University of St. Joseph<sup>3</sup></b>		
	<b>Credits</b>	<b>0</b>

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Sixth Year

University of St. Joseph<sup>3</sup>

Credits	0
Total Credits	145-146

<sup>1</sup> One each semester

<sup>2</sup> University of Saint Joseph course will transfer to Salve Regina University to count toward Biology electives for B.S. degree.

<sup>3</sup> Courses for years five and six to meet degree requirements will be specified by University of Saint Joseph.

<sup>4</sup> This weekend workshop may be taken in either the fall or spring semester of sophomore year.

Minimum of 120 credits required for undergraduate degree conferral.