

# BIOCHEMISTRY (B.A.) 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 biochemistry at Salve Regina, followed by three years in Saint Joseph's Pharm.D. program. Before conferral of the B.A. in Biochemistry 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.

Biochemistry (B.A.) 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 62 credits (16 courses) in their major.

Code	Title	Credits
<b>Required Courses</b>		
BIO-113	Biology I	4
CHM-113	General Chemistry I	4
CHM-114	General Chemistry II	4
BIO-210	Microbiology	4
BIO-220	Cell Biology and Chemistry	4
BIO-305	Human Anatomy	4
BIO-325	Human Physiology	4
CHM-205	Organic Chemistry I	4
CHM-206	Organic Chemistry II	4
BCH-403	Biochemistry	4
CHM-410	Topics in Chemistry and Research Capstone	3
Select one Chemistry course from the following:		4
CHM-305	Physical Chemistry I	
CHM-408	Inorganic Chemistry	
CHM-301	Analytical Chemistry	
CHM-309	Instrumental Analysis	
<b>Mathematics and Physics</b>		
MTH-195	Calculus I	4
MTH-196	Calculus II	4
PHY-205	Principles of Physics I	4
STA-173	Statistical Methods	3
<b>Total Credits</b>		<b>62</b>

## Degree Plan for Biochemistry (B.A.) Leading to Pharm.D.

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
FYT-101	First Year Studio	1
UNV-101	University Seminar	3
CHM-113	General Chemistry I	4
BIO-113	Biology I	4
MTH-195	Calculus I	4
<b>Credits</b>		<b>16</b>

<b>Spring</b>		
UNV-102	University Seminar II	3
ECN-101	Introductory Macroeconomics	3
CHM-114	General Chemistry II	4
MTH-196	Calculus II	4
Literature Core		3
<b>Credits</b>		<b>17</b>

<b>Second Year</b>		
<b>Fall</b>		
GST-098	Sophomore Studio <sup>1</sup>	1
RTS-225 or PHL-225	The Quest for the Ultimate: Dialogue with Global Religious Traditions <sup>2</sup> or Quest for the Good Life	3
Cell Biology, Analytical Chemistry or Physical Chemistry Course		4
CHM-205	Organic Chemistry I	4
Visual & Performing Arts Core Course		3
Language Core <sup>2</sup>		3
<b>Credits</b>		<b>18</b>

<b>Spring</b>		
RTS-225 or PHL-225	The Quest for the Ultimate: Dialogue with Global Religious Traditions <sup>2</sup> or Quest for the Good Life	3
Cell Biology, Analytical Chemistry or Physical Chemistry Course		4
CHM-206	Organic Chemistry II	4
Psychology Core Course		3
Language Core <sup>2</sup>		3
<b>Credits</b>		<b>17</b>

<b>Third Year</b>		
<b>Fall</b>		
BIO-305	Human Anatomy	4
BCH-403	Biochemistry	4
PHY-205	Principles of Physics I	4
CHM-410	Topics in Chemistry and Research Capstone	3
<b>Credits</b>		<b>15</b>

<b>Spring</b>		
BIO-210	Microbiology	4
BIO-325	Human Physiology	4
STA-173	Statistical Methods	3
RTS or PHL Core Course		3
History Core Course		3
<b>Credits</b>		<b>17</b>

<b>Fourth Year</b>		
<b>Fourth Year Courses at University of Saint Joseph that Transfer to Salve Regina <sup>3</sup></b>		
PHRM-700: Introduction to Healthcare and Population Health		3
PHRM-704: Dosage Form Design and Calculations 1		4
PHRM-715: Fundamentals of Drug Action 1		2
PHRM-712: Biochemical Principles in Healthcare 1		3
PHRM-713: Biochemical Principles in Healthcare 2		3
PHRM-720: Pharmacy Administration and Pharmacoeconomics		4
PHRM-708: Basic and Applied Pharmacokinetics		4
<b>Credits</b>		<b>23</b>

<b>Fifth Year</b>		
<b>Fifth at University of Saint Joseph</b>		
<b>Credits</b>		<b>0</b>

<b>Sixth Year</b>		
<b>Sixth Year at University of Saint Joseph</b>		
<b>Credits</b>		<b>0</b>
<b>Total Credits</b>		<b>123</b>

<sup>1</sup> This weekend workshop may be taken in either the fall or spring semester of sophomore year.

<sup>2</sup> One each semester.

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<sup>3</sup> These University of Saint Joseph courses will transfer to Salve Regina University to count toward Biochemistry courses for B.A. degree. Additional courses for years four, five, and six to meet degree requirements will be specified by University of Saint Joseph.

Minimum of 120 credits required for undergraduate degree conferral.