

La Roche University
BIOCHEMISTRY PROGRAM GUIDE
DEGREE: Bachelor of Science Department: Chemistry

Student Name _____
 I.D. Number _____

First Year Student
 Change of Major

Transfer
 Readmit

Unofficial Eval Completed by/date: _____

This is the **unofficial evaluation** of your credits to date including transfer credits (if applicable) in your chosen major. **This evaluation is official when all official transcripts for all previous college work are received, reviewed and approved for transferability by the Registrar's Office.** Beginning with your first semester of enrollment, your Degree Audit Report in My.LaRoche will automatically track your progress toward your degree, and guide you in planning future class schedules. Review your updated Degree Audit Report with your advisor prior to registering each semester.

PURPOSE: A major in Biochemistry is meant to prepare students for graduate studies in Chemistry or Biochemistry, for admission to a professional school such as medical school or pharmacy school, or employment in the biotechnology sector.

REQUIREMENTS: To successfully complete the Biochemistry major, the following coursework is required:

- 78 credits as listed under "Major Component/Requirements" (59 Chemistry/ Biology Component credits, 2 in seminar; and 19 Science Component Credits)
- 37 CORE credits
- 5 General Elective Credits
- A minimum number of 120 credits are required for degree, the last 30 of which, and 50% of the major, must be earned at La Roche University. (Developmental course work does not count toward the minimum number of required credits for graduation.)

		<u>Credits</u>	<u>Transfer Course #/Comments</u>
MAJOR COMPONENT/REQUIREMENTS: 78 CREDITS			
CHEMISTRY/ BIOLOGY COMPONENTS: 59 CREDITS			
_____	BIOL1003 General Biology I	3	_____
_____	BIOL1004 General Biology II	3	_____
_____	BIOL1005 General Biology I Lab	1	_____
_____	BIOL1006 General Biology II Lab	1	_____
_____	CHEM1001 General Chemistry I	3	_____
_____	CHEM1002 General Chemistry II	3	_____
_____	CHEM1003 General Chemistry I Lab	1	_____
_____	CHEM1004 General Chemistry II Lab	1	_____
_____	CHEM2015 Organic Chemistry I	3	_____
_____	CHEM2015L Organic Chemistry I Lab	1	_____
_____	CHEM2016 Organic Chemistry II	3	_____
_____	CHEM2016L Organic Chemistry II Lab	1	_____
_____	BIOL3026 Cell Biology	3	_____
_____	CHEM3011 Analytical Chemistry I	3	_____
_____	CHEM3011L Analytical Chemistry I Lab	1	_____
_____	CHEM3012 Analytical Chemistry II	3	_____
_____	CHEM3012L Analytical Chemistry II Lab	1	_____
_____	CHEM3036 Biochemistry I	3	_____
_____	CHEM3037 Biochemistry I Lab	1	_____
_____	CHEM3038 Biochemistry II	3	_____

<input type="checkbox"/> CHEM3039	Biochemistry II Lab	1	_____
<input type="checkbox"/> BIOL4030	Molecular Biology	3	_____
<input type="checkbox"/> BIOL4031	Molecular Biology Lab	1	_____
<input type="checkbox"/> CHEM4032	Physical Chemistry I	3	_____
<input type="checkbox"/> CHEM4032L	Physical Chemistry I Lab	1	_____
<input type="checkbox"/> CHEM4042	Physical Biochemistry	3	_____
<input type="checkbox"/> CHEM4055	Seminar I	1	_____
<input type="checkbox"/> CHEM4059	Seminar II	1	_____
<input type="checkbox"/> CHEM or BIOL	Chemistry or Biology Elective (2000 level or higher)	3	_____

SCIENCE COMPONENTS: 19 CREDITS

<input type="checkbox"/> MATH1032	Analytical Geometry & Calc I	4	Prerequisite for MATH courses: MATH1010
<input type="checkbox"/> MATH1033	Analytical Geometry & Calc II	4	_____
<input type="checkbox"/> MATH1040	Probability & Statistics	3	_____
<input type="checkbox"/> PHYS1032	Physics I	3	_____
<input type="checkbox"/> PHYS1032L	Physics I Lab	1	_____
<input type="checkbox"/> PHYS1033	Physics II	3	_____
<input type="checkbox"/> PHYS1033L	Physics II Lab	1	_____

ACADEMIC CORE CURRICULUM – 37 Credits

		Credits	Transfer Course # / Comments
Foundations of Knowledge: 15 credits			
<input type="checkbox"/> ENGL1011	Academic Reading and Writing	3	_____
<input type="checkbox"/> ENGL1012	Academic Writing and Research	3	_____
<input type="checkbox"/> ISTC1010	Digital Literacy	3	_____
<input type="checkbox"/> MATH1010	College Algebra	3	_____
<input type="checkbox"/> SPCH1010	Oral Communication	3	_____
La Roche Experience: 4 credits			
<input type="checkbox"/> LRUX1001	LRX Foundations	1	_____
<input type="checkbox"/> LRUX2500	Investigating Social Problems	3	_____
Breadth of Knowledge: 12 credits			
Courses in a variety of disciplines can fulfill these requirements. Students should use the course search in the My.LaRoche schedule of classes to find courses that fulfill each area students must complete. PLEASE NOTE: Students are exempt from one area, based on their major.			
<input type="checkbox"/> Natural and Physical World			Fulfilled in Major
<input type="checkbox"/> Human Expression	3		_____
<input type="checkbox"/> Values and Ethics	3		_____
<input type="checkbox"/> Social Sciences	3		_____
<input type="checkbox"/> Global Perspectives	3		_____
Depth of Knowledge: 3 credits			
<input type="checkbox"/> INQU	Interdisciplinary Inquiry	3	_____
Core Electives: 3 credits			
<input type="checkbox"/> Any Breadth of Knowledge Area Course –OR– One additional Interdisciplinary Inquiry	3		_____

GENERAL ELECTIVES: 5 credits

Transfer Course #	Credits
_____	_____
_____	_____
_____	_____
_____	_____

FOR REGISTRAR USE ONLY:	<u>TOTAL</u>	<u>Completed</u>	<u>Need</u>	<u>COMMENTS:</u>
Major Component	78	_____	_____	_____
CORE	37	_____	_____	_____
General Electives	5	_____	_____	_____
Accepted in Transfer	_____	_____	_____	_____
La Roche University Credit	_____	_____	_____	_____
Total	120	_____	_____	_____

Registrar Signature _____

Date _____