



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	_____

_____	CHEM3039 Biochemistry II Lab	1	_____
_____	BIOL4030 Molecular Biology	3	_____
_____	BIOL4031 Molecular Biology Lab	1	_____
_____	CHEM4032 Physical Chemistry I	3	_____
_____	CHEM4032L Physical Chemistry I Lab	1	_____
_____	CHEM4042 Physical Biochemistry	3	_____
_____	CHEM4055 Seminar I	1	_____
_____	CHEM4059 Seminar II	1	_____
_____	CHEM or BIOL Chemistry or Biology Elective (2000 level or higher)	3	_____

SCIENCE COMPONENTS: 19 CREDITS

_____	MATH1032 Analytical Geometry & Calc I	4	Prerequisite for MATH courses: MATH1010
_____	MATH1033 Analytical Geometry & Calc II	4	_____
_____	MATH1040 Probability & Statistics	3	_____
_____	PHYS1032 Physics I	3	_____
_____	PHYS1032L Physics I Lab	1	_____
_____	PHYS1033 Physics II	3	_____
_____	PHYS1033L Physics II Lab	1	_____

ACADEMIC CORE CURRICULUM – 37 Credits

	<u>Credits</u>	<u>Transfer Course # / Comments</u>
<u>Foundations of Knowledge: 15 credits</u>		
_____ ENGL1011 Academic Reading and Writing	3	_____
_____ ENGL1012 Academic Writing and Research	3	_____
_____ ISTC1010 Digital Literacy	3	_____
_____ MATH1010 College Algebra	3	_____
_____ SPCH1010 Oral Communication	3	_____

La Roche Experience: 4 credits

_____ LRUX1001 LRX Foundations	1	_____
_____ 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.**

_____ Natural and Physical World		Fulfilled in Major
_____ Human Expression	3	_____
_____ Values and Ethics	3	_____
_____ Social Sciences	3	_____
_____ Global Perspectives	3	_____

Depth of Knowledge: 3 credits

_____ INQU Interdisciplinary Inquiry	3	_____
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Core Electives: 3 credits

_____ Any Breath of Knowledge Area Course –OR– One additional Interdisciplinary Inquiry	3	_____
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GENERAL ELECTIVES: 5 credits

<u>Transfer Course #</u>	<u>Credits</u>								
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

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 _____