

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

Student Name \_\_\_\_\_ \_\_\_\_\_ First Year Student  
 I.D. Number \_\_\_\_\_ \_\_\_\_\_ 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; and 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 Chemistry major, the following coursework is required:

- 79 credits as listed under "Major Component/Requirements" (60 Chemistry/ Biology Component credits, 2 in seminar; and 19 Science Component Credits)
- 37 CORE credits
- 4 General Elective Credits
- A minimum of C in science courses, GPA minimum of 2.5
- 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 College. (Developmental course work does not count toward the minimum number of required credits for graduation.)

	Credits	Transfer Course #/Comments
<b><u>MAJOR COMPONENT/REQUIREMENTS: 79 CREDITS</u></b>		
<b><u>CHEMISTRY/ BIOLOGY COMPONENTS: 60 CREDITS</u></b>		
_____ 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	2	_____

_____	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	<u>Prerequisite for MATH courses: MATH1010</u>
_____	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**

<b><u>Fundamentals: 12 Credits</u></b>			<b><u>Credits</u></b>	<b><u>Transfer Course #/Comments</u></b>
_____	ENGL1011	College Writing I	3	_____
_____	ENGL1012	College Writing II	3	_____
_____	ISTC1005	Practical Computer Applications	3	_____
_____	MATH1010	College Algebra	3	_____

<b><u>La Roche Experience: 4 Credits</u></b>				
_____	LRCX1001	Introduction & History	1	_____
_____	LRCX1002	Diversity/Discrimination	1	_____
_____	LRCX2001	Regions of Conflict	1	_____
_____	LRCX2002	Economic Justice	1	_____

<b><u>Community/Global: 6 credits (or 6 credits in same Foreign Language)</u></b>				
_____	COMM	Community	3	_____
_____	GLBL	Global	3	_____

**Select Courses: 15 credits**

*18 credits are required with study within each of the following domains. Students can fulfill six domains with four courses (earning a total of 12 credits) by completing "dual-domain" SELECT courses SLDD. Student earns 3 credits only for each dual-domain course. The "lost" 3-6 credits can be fulfilled through a major or general elective. PLEASE NOTE: Some "Select Courses" may be filled by meeting Major Requirements and if so, will be annotated as such.*

_____	SELECT	Aesthetics (SLAE)	3	_____
_____	SELECT	History (SLHS)	3	_____
_____	SELECT	Literature (SLLT)	3	_____
_____	SELECT	Religion/Philosophy (SLRS)	3	_____
_____	SELECT	Science (SLSC)	0	<u>Fulfilled in major</u>
_____	SELECT	Social and Cultural Systems (SLSO)	3	_____

**GENERAL ELECTIVES: 4 credits**

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

<b>FOR REGISTRAR USE ONLY:</b>	<u>TOTAL</u>	<u>Completed</u>	<u>Need</u>	<u>COMMENTS:</u>
Major Component	79	_____	_____	_____
CORE	37	_____	_____	_____
General Electives	4	_____	_____	_____
Accepted in Transfer	_____	_____	_____	_____
La Roche College Credit	_____	_____	_____	_____
Total	120	_____	_____	

**Registrar Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Advisor Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

*(When signed by Advisor, all required coursework/credits have been completed for graduation.)*