

La Roche University
CHEMISTRY COMPREHENSIVE 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: This major is designed for the student who wishes to study chemistry in more depth. It is particularly appropriate for students who wish to pursue a graduate degree in chemistry. Students preparing for careers in academic or industrial laboratories will also benefit from this major. This program is constructed using the guidelines prepared by the Committee on Professional Training of the American Chemical Society. This group of courses provides the 500 hours of laboratory instruction recommended by the ACS.

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

- 83 credits as listed under "Major Component/Requirements" (50 Chemistry Component credits, 2 in seminar; and 33 Science Component Credits)
- 37 CORE 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.)

	Credits	Transfer Course #/Comments
MAJOR COMPONENT/REQUIREMENTS: 83 CREDITS		
CHEMISTRY COMPONENTS: 50 CREDITS		
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	_____
CHEM3011 Analytical Chemistry I	3	_____
CHEM3011L Analytical Chemistry I Lab	1	_____
CHEM3012 Analytical Chemistry II	3	_____
CHEM3012L Analytical Chemistry II Lab	1	_____
CHEM3026 Inorganic Chemistry	3	_____
CHEM3036 Biochemistry	3	_____
CHEM3037 Biochemistry Lab	1	_____
CHEM4032 Physical Chemistry I	3	_____
CHEM4032L Physical Chemistry I Lab	1	_____
CHEM4033 Physical Chemistry II	3	_____
CHEM4033L Physical Chemistry II Lab	1	_____
CHEM4055 Seminar I	1	_____

<input type="checkbox"/> CHEM4056	Research in Chemistry	3	_____
<input type="checkbox"/> CHEM4059	Seminar II	1	_____
<input type="checkbox"/> CHEM	Chemistry Elective (3000 or 4000 level)	3	_____
<input type="checkbox"/> CHEM	Chemistry Elective (3000 or 4000 level)	3	_____

SCIENCE COMPONENTS: 33 CREDITS

<input type="checkbox"/> BIOL1003	General Biology I	3	_____
<input type="checkbox"/> BIOL1004	General Biology II	3	_____
<input type="checkbox"/> BIOL1005	General Biology I Lab	1	_____
<input type="checkbox"/> BIOL1006	General Biology II Lab	1	_____
<input type="checkbox"/> MATH1032	Analytical Geometry & Calc I	4	Prerequisite: 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	_____
<input type="checkbox"/> CSCI	Elective	3	_____
<input type="checkbox"/> CSCI	Elective	3	_____

ACADEMIC CORE CURRICULUM – 37 Credits

		<u>Credits</u>	<u>Transfer Course # / Comments</u>
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	LRX Service-Learning	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		<u>Fulfilled in Major</u>	_____
<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	_____
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Core Electives: 3 credits

<input type="checkbox"/> Any Breath of Knowledge Area Course –OR– One additional Interdisciplinary Inquiry		3	_____
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GENERAL ELECTIVES: if needed

Transfer Course # **Credits**

_____ _____ _____ _____ _____ _____ _____ _____

_____ _____ _____ _____ _____ _____ _____

FOR REGISTRAR USE ONLY:	TOTAL	Completed	Need	COMMENTS:
Major Component	83	_____	_____	_____
CORE	37	_____	_____	_____
General Electives	_____	_____	_____	_____
Accepted in Transfer	_____	_____	_____	_____
La Roche University Credit	_____	_____	_____	_____
Total	120	_____	_____	_____

Registrar Signature _____

Date _____