

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.)

	<u>Credits</u>	<u>Transfer Course #/Comments</u>
MAJOR COMPONENT/REQUIREMENTS: 83 CREDITS		
<u>CHEMISTRY COMPONENTS: 50 CREDITS</u>		
_____ 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	_____

_____	CHEM4056	Research in Chemistry	3	_____
_____	CHEM4059	Seminar II	1	_____
_____	CHEM	Chemistry Elective (3000 or 4000 level)	3	_____
_____	CHEM	Chemistry Elective (3000 or 4000 level)	3	_____

SCIENCE COMPONENTS: 33 CREDITS

_____	BIOL1003	General Biology I	3	_____
_____	BIOL1004	General Biology II	3	_____
_____	BIOL1005	General Biology I Lab	1	_____
_____	BIOL1006	General Biology II Lab	1	_____
_____	MATH1032	Analytical Geometry & Calc I	4	Prerequisite: 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	_____
_____	CSCI	Elective	3	_____
_____	CSCI	Elective	3	_____

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	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.**

_____	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–	3	_____
_____	One additional Interdisciplinary Inquiry		

GENERAL ELECTIVES: if needed

Transfer Course # **Credits**

_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

FOR REGISTRAR USE ONLY:

	<u>TOTAL</u>	<u>Completed</u>	<u>Need</u>	<u>COMMENTS:</u>
Major Component	83	_____	_____	_____
CORE	37	_____	_____	_____
General Electives		_____	_____	_____
Accepted in Transfer	_____	_____	_____	_____
La Roche University Credit	_____	_____	_____	_____
Total	120	_____	_____	

Registrar Signature _____

Date _____