

La Roche College
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; 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: 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 A.C.S.

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 College. (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		
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	_____
_____ 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

Fundamentals: 12 Credits

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

La Roche Experience: 4 Credits

_____	LRCX1001 Introduction & History	1	_____
_____	LRCX1002 Diversity/Discrimination	1	_____
_____	LRCX2001 Regions of Conflict	1	_____
_____	LRCX2002 Economic Justice	1	_____

Community/Global: 6 credits (or 6 credits in same Foreign Language for majors that do not require a language)

_____	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	Fulfilled in major
_____	SELECT Social and Cultural Systems (SLSO)	3	_____

GENERAL ELECTIVES: if needed

<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	83	_____	_____	_____
CORE	37	_____	_____	_____
General Electives		_____	_____	_____
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.)