



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 for transferability by the Registrar's Office AND the Registrar's signature is included on page 2.**

**PURPOSE:** A major in Mathematics is meant to offer students the opportunity to major in a field whose origins date from the dawn of history and whose ever-increasing pervasiveness in science, engineering, and finance have fashioned it into a sophisticated, altogether modern, mental master-key and to prepare themselves for either graduate study in a wide range of disciplines, or admission to a professional school, or entry into industry, or simply to enrich themselves with an education in a field where logic and imagination combine to create timeless truth and beauty.  
The ample number of general electives, 21, affords students the opportunity to minor in a second discipline such as computer science, finance, et cetera, and/or to explore the college curriculum on the own, ideally in the spirit of the English-romantic poet John Keats, by traveling in the realms of gold and visiting many goodly states and kingdoms.

- REQUIREMENTS:** To successfully complete the Mathematics major, the following coursework is required:
- 65 credits as listed under "Major Component/Requirements"
  - 34 CORE credits
  - 21 General Elective Credits
  - A minimum number of 120 credits are required for degree, the last 30 of which 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

**MAJOR COMPONENT/REQUIREMENTS: 65 CREDITS**

**Mathematics Component**

_____ MATH1032	Analytic Geometry & Calculus I	4	Prerequisites: MATH1010(A) or equivalent, MATH1023
_____ MATH1033	Analytic Geometry & Calculus II	4	Prerequisite: MATH1032
_____ MATH2030	Analytic Geometry & Calculus III	4	Prerequisite: MATH1033
_____ MATH2031	Ordinary Differential Equations	3	Prerequisite: MATH2030
_____ MATH2050	Discrete Mathematics I	3	Prerequisite: MATH1033
_____ MATH2051	Discrete Mathematics II	3	Prerequisite: MATH2050
_____ MATH3015	Linear Algebra	3	Prerequisite: MATH2030
_____ MATH3035	Complex Variables	3	Prerequisite: MATH2031
_____ MATH3040	Probability & Statistics I	3	Pre- or Co- prerequisite: MATH2030
_____ MATH3045	Probability & Statistics II	3	Prerequisite: MATH3040
_____ MATH4003	History of Mathematics	3	Prerequisite: MATH2031
_____ MATH4015	Modern Abstract Algebra	3	Prerequisite: MATH2031; Co-requisite: MATH3015
_____ MATH4020	Geometry	3	Prerequisite: MATH2031
_____ MATH4035	Real Analysis	3	Prerequisite: MATH2031
_____ MATH4090	Junior-Senior Seminar	1	Prerequisite: Junior/Senior Status

**Computer-Science Component**

_____ CSCI1002	Introduction to Computer Science	3	
_____ CSCI1010	Programming I	3	Prerequisite: CSCI1002
_____ CSCI1010L	Programming I Lab	1	The lab component of CSCI1010

**Physics Component**

_____ PHYS1032	General Physics I	3	Recommended prerequisite: MATH1033
_____ PHYS1032L	General Physics I Lab	1	The lab component of PHYS1032
_____ PHYS1033	General Physics II	3	Prereq: PHYS1032; recommended prereq: MATH2030

_____ PHYS1033L General Physics II Lab	1	The lab component of PHYS1033
_____ PHYS2030 General Physics III	3	Prerequisite: PHYS1033
_____ PHYS2030L General Physics II Lab	1	The lab component of PHYS2030

**ACADEMIC CORE CURRICULUM: 34 CREDITS**

<b>Fundamentals: 9 Credits</b>	<b>Credits</b>	<b>Transfer Course #/Comments</b>
_____ ENGL1011 College Writing I	3	_____
_____ ENGL1011L College Writing Lab	0	Co-requisite for ENGL1011
_____ ENGL1012 College Writing II	3	Prerequisite ENGL1011
_____ ISTC1005 Practical Computer Applications	3	_____

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

<b>Community/Global: 6 credits (or 6 credits in same Foreign Language for majors that do not require a language)</b>	<b>Credits</b>	<b>Transfer Course #/Comments</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	Fulfilled in major
_____ SELECT Social and Cultural Systems (SLSO)	3	_____

**GENERAL ELECTIVES: 21 credits**

General electives may be applied to the requirements of a second major, or a minor, or a certificate program. In the past, students have often combined a major in mathematics and a minor in either computer science or finance.

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

<b>FOR REGISTRAR USE ONLY:</b>	<b>TOTAL</b>	<b>Completed</b>	<b>Need</b>	<b>COMMENTS:</b>
Major Component	65	_____	_____	_____
CORE	34	_____	_____	_____
General Electives	21	_____	_____	_____
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.)*