



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, 32, 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:
- 54 credits as listed under "Major Component/Requirements"
 - 34 CORE credits
 - 32 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.)

		<u>Credits</u>	<u>Transfer Course #/Comments</u>
MAJOR COMPONENT/REQUIREMENTS: 54 CREDITS			
Mathematics Component			
_____	MT132 Analytic Geometry & Calculus I	4	Prerequisites: MT110(A) or equivalent, MT123 or equivalent
_____	MT133 Analytic Geometry & Calculus II	4	Prerequisite: MT132
_____	MT230 Analytic Geometry & Calculus III	4	Prerequisite: MT133
_____	MT231 Ordinary Differential Equations	3	Prerequisite: MT230
_____	MT250 Discrete Mathematics I	3	Cross-listed as CS215; Prerequisite: MT133
_____	MT251 Discrete Mathematics II	3	Cross-listed as CS216; Prerequisite: MT250 (CS215)
_____	MT315 Linear Algebra	3	Prerequisite: MT230
_____	MT335 Complex Variables	3	Prerequisite: MT231
_____	MT340 Probability & Statistics I	3	Pre- or Co- requisite: MT230
_____	MT345 Probability & Statistics II	3	Prerequisite: MT340
_____	MT403 History of Mathematics	3	Prerequisite: MT231
_____	MT415 Modern Abstract Algebra	3	Prerequisite: MT231; Co-requisite: MT315
_____	MT420 Geometry OR	3	Prerequisite: MT231
_____	MT305 Topology		
_____	MT435 Real Analysis	3	Prerequisite: MT231
_____	MT490 Junior-Senior Seminar	1	Prerequisite: Junior/Senior Status
Physics Component			
_____	PHY132 General Physics I	3	Recommended prerequisite: MT133
_____	PHY132L General Physics I Lab	1	The lab component of PHY132
_____	PHY133 General Physics II	3	Prerequisite: PHY132; recommended prerequisite: MT230
_____	PHY133L General Physics II Lab	1	The lab component of PHY133

ACADEMIC CORE CURRICULUM: 34 CREDITS

Fundamentals: 9 Credits		Credits	Transfer Course #/Comments
_____ EN 111	College Writing I	3	_____
_____ EN 111L	College Writing Lab	0	Co-requisite for EN11
_____ EN 112	College Writing II	3	Prerequisite EN111
_____ IST105	Practical Computer Applications	3	_____

La Roche Experience: 4 Credits		Credits	Transfer Course #/Comments
_____ LRC101	Introduction & History	1	_____
_____ LRC102	Diversity/Discrimination	1	_____
_____ LRC 201	Regions of Conflict	1	_____
_____ LRC 202	Economic Justice	1	_____

Community/Global: 6 credits (or 6 credits in same Foreign Language for majors that do not require a language)		Credits	Transfer Course #/Comments
_____ COMM	Community	3	_____
_____ GBL	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 such as SELECTLITAES (fulfills the SELECT Literature and SELECT Aesthetics requirements). 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		3	_____
_____ SELECT History		3	_____
_____ SELECT Literature		3	_____
_____ SELECT Religion/Philosophy		3	_____
_____ SELECT Science		0	Fulfilled in major
_____ SELECT Social and Cultural Systems		3	_____

GENERAL ELECTIVES: 32 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.

Transfer Course #	Credits						
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

FOR REGISTRAR USE ONLY:	TOTAL	Completed	Need	COMMENTS:
Major Component	54	_____	_____	_____
CORE	34	_____	_____	_____
General Electives	32	_____	_____	_____
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.)