

## La Roche College MATHEMATICS PROGRAM GUIDE

**DEGREE: Bachelor of Science Department: Mathematics** 

Student Name I.D. Number		_	First Year Student Change of Major	Transfer Readmit
	Unofficial Eval Completed b	v/dato:		
when all official to Office. Beginning	ial evaluation of your credits to date includer anscripts for all previous college work with your first semester of enrollment, your juide you in planning future class schedules	ling transfer crea are received; as Degree Audit F	nd reviewed and approved for transfera Report in My.LaRoche will automatically tra	ability by the Registrar's ack your progress toward
PURPOSE:  REQUIREMENTS:	increasing pervasiveness and importance understanding the world about us. The business, industry or government, to cer science, among many other fields, or to mathematics serves as a gateway not or create timeless beauty and truth.  What distinguishes the BS from the BA is additional credits in Physics. Although the credits could still allow for a minor in material to successfully complete the Mathematical of the could still allow for a minor in material of the could still allow for a minor in material of the could still allow for a minor in material of the could still allow for a minor in material of the could still allow for a minor in material of the could be could be completed in the could be considered in the could be completed in the could be considered in the could be considered in the could be completed in the could be considered in the cons	te in science, en degree in mathe tification as a te a professional solly to a job and on Mathematics in the number of geny fields.  The major, the following major, the following major, the following major in the major in the following major in the fol	whose origins date from the dawn of histogineering, business and finance renders it matics opens many doors to students updacher, to graduate study in mathematics, school such as in business or law. Moreovereer, but also to a world where logic and as the requirement of 7 credits in Compute eneral elective credits is thereby reduced be owing coursework is required: ements" (46 in Mathematics, 7 in Compute energy, the last 30 of which, and 50% of the est not count toward the minimum number	t a veritable master-key in on graduation, to a job in statistics and computer ver, the major in d imagination combine to a Science and that of 4 by 11, the remaining 21 ver Science and 12 in the major must be earned at
		Credits	Transfer Course #/Comments	
	MA IOP COMPO	NENT/DEALID	EMENTS: 65 CREDITS	
<b>Mathematics Com</b>		INCHAI/INC QUIN	EMENTO: 03 OKEDITO	
	Analytic Geometry & Calculus I	4	Prerequisites: MATH1010 or equivalent	<u>, MATH1023</u>
	Analytic Geometry & Calculus II	4	Prerequisite: MATH1032	
	Analytic Geometry & Calculus III	4	Prerequisite: MATH1033	
	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	
	Probability & Statistics I	3	Pre- or Co- requisite: MATH2030	
	Probability & Statistics II	3	Prerequisite: MATH3040	
	History of Mathematics 3 Prerequisite: MATH2031			
			Prerequisite: MATH2031; Co-requisite:	MATH3015
MATH4020				
	5 Real Analysis 3		Prerequisite: MATH2031	
	Junior-Senior Seminar	1	Prerequisite: Junior/Senior Status	

Computer-Science				
	Introduction to Co	omputer Science	3	
	Programming I		3	Prerequisite: CSCI1002
	Programming I La	ab	1	The lab component of CSCI1010
Physics Compon				
	General Physics		3	Recommended prerequisite: MATH1033
	L General Physics		1	The lab component of PHYS1032
	General Physics		3	Prereq: PHYS1032; recommended prereq: MATH2030
	L General Physics		1	The lab component of PHYS1033
	General Physics		3	Prerequisite: PHYS1033
PHYS2030	L General Physics	II Lab	1	The lab component of PHYS2030
F.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20 C dit-	ACADEMIC (		ULUM: 37 CREDITS
Fundamentals: 12			<u>Credits</u>	Transfer Course #/Comments
	College Writing I	1	3	Drava svisita ENOL 1011
	College Writing II		3	Prerequisite ENGL1011
ISTC1005	Practical Comput	ter Applications	3	
MATH1010	College Algebra		3	
La Roche Experie	ence: 4 Credits			
LRCX1001		story	1	
	Diversity/Discrimi		1	
LRCX2001			1	
	Economic Justice		1	
LINOX2002	LCOHOITHC JUSTICE	7	'	
Community/Glob	al· 6 credits (or (	6 credits in same Forei	ian I anguage f	or majors that do not require a language)
COMM	Community	o credits in same i ore	اوانا Laiiguage i	of majors that do not require a language
GLBL	Global		3	
can be fulfilled thro and if so, will be SELECT Ae		neral elective. <b>PLEASE</b>		s 3 credits only for each dual-domain course. The "lost" 3-6 cred "Select Courses" may be filled by meeting Major Requireme
	erature (SLLT)		3	
		(SLRS)	3	
SELECT Religion/Philosophy (SLRS)SELECT Science (SLSC)			0	Fulfilled in major
SELECT Science (SLSO)SELECT Social and Cultural Systems (SLSO)			3	i dillica ili major
02220100			RAL ELECTIVE	ES: 18 credits
General electives	may be applied to			a minor, or a certificate program. In the past, students have often
combined a major	in mathematics an	d a minor in either comp		
Transfer Course	# Credits			
			-	
EOD DECISTOAS	LICE ONLY	TOTAL Completed	Mood	COMMENTS
FOR REGISTRAR		TOTAL Completed	<u>Need</u>	<u>COMMENTS</u> :
	omponent	65		
CORE	Flanting of	37		
	Electives	18		
	d in Transfer			
La Roch	e College Credit			
	Total	120		

Registrar Signature	Date		
44:	D .		
Advisor Signature (When signed by Advisor, all required cour	Date ork/credits have been completed for graduation.)		