

Mathematics
Louisiana Tech University
Curriculum as of 2017 to Current

Name _____

Date _____

Student ID _____

Email _____

COURSE	PREREQUISITE	SH	SCHED	GRADE
MATH 241	MATH 240 (or by placement)	3		*
242	MATH 241	3		*
243	MATH 242	3		*
244	MATH 243	3		*
245	MATH 244	3		*
307	MATH 243	3	Sp, F	*
308	MATH 243 or MATH 311	3		*
408	MATH 307 or 311	3	F	*
482	MATH 244 and one of MATH 311 or 307	3	W	*

SUBSTITUTIONS	APPR	SH	GRADE
1			
2			
3			
4			
5			

Mathematics or Statistics Electives (see note 6)

1st course		3		*
2nd course		3		*
3rd course		3		*
4th course		3		*
5th course		3		*

ADDITIONAL COURSES	SH	GRADE
1		
2		
3		
4		
5		

Senior Research Capstone

MATH 394	MATH 308 & consent of instructor	2	F	*
MATH 495	MATH 394	1	F	*
MATH 496	MATH 495	1	W	*
MATH 497	MATH 496	1	Sp	*

CHEM 101	CHEM 100 (or by placement)	2		*
102	CHEM 101	2		
103	CHEM 101o	1		*
104	CHEM 103	1		

ENGL 101		3		
102	ENGL 101	3		
210, 211, or 212	ENGL 102	3		
303	ENGL 102	3		

COMM 101	FYEo	3		
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PHYS 201	MATH 241	3		*
202	PHYS 201, MATH 242	3		
261	MATH 241	1		*
262	PHYS 261	1		

INEN 300	MATH 220, 242, or MEMT 206	2		
INEN 301	See note 3 & 4	3	W	

Concentration or Minor Courses (see note 6)

1st course		3		*
2nd course		3		*
3rd course		3		*
4th course		3		*
5th course		3		*
6th course		3		*

ELECTIVES/ GER

Fine Arts	See note 1	3		
HIST		3		
BISC 101		3		
Social/Behavioral Sciences	See note 2	3		
Social/behavioral Sciences	See note 2	3		
Computer Literacy (select one of the following)		3		
CSC 130			F,W	
MATH 313				
Foreign Language	See note 3 & 4	3		

TOTAL SEMESTER HOURS	120
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NOTES

- * Requires grade of "C" or better.
- o Credit or registration in
- 1 Music, Visual Arts, Applied Arts, Theatre, Dance, Interdisciplinary (e.g. ART 290; KINE 280; MUGN 290; THTR 290,etc)
- 2 Social Science - Anthropology, Criminal Justice, Economics, Geography, International Studies, Interdisciplinary, Political Science
Behavioral Science - Psychology, Sociology
- 3 These courses can be replaced by those at or above the 300 level in English, mathematics, or the student's minor/concentration. Must have advisor's approval.
- 4 Substitutions must be initiated by Program Chair. Put Substitution number in the "grade" blank of the course being replaced.
- 5 A student must have a 2.0 grade point average on all hours pursued in courses designated as MATH or STAT (Mathematics or Statistics).
- 6 Directed electives must be selected in consultation with student's advisor.

Comments: _____

Advisor's Name _____

MATHEMATICS LOUISIANA TECH UNIVERSITY

Name _____

Date _____

Student ID _____

Email _____

FRESHMAN YEAR													
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	Spring Quarter		Cr	Gr		
MATH 240* †	Math for Engr & Science	3		MATH 241*	Calculus I	3		MATH 242*	Calculus II	3			
CHEM 100* †	General Chemistry	2		CHEM 101*	General Chemistry	2		CHEM 102	General Chemistry	2			
BISC 101	Fundamentals of Biology	3		CHEM 103*	General Chemistry Lab	1		CHEM 104	General Chemistry Lab	1			
FYE 100†	University Seminar	1		ENGL 101	Freshman Composition I	3		ENGL 102	Freshman Composition II	3			
				History Elective		3		Comm 101		3			
		9				12				12			

SOPHOMORE YEAR													
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	Spring Quarter		Cr	Gr		
MATH 243*	Calculus III	3		MATH 244*	Calculus IV	3		MATH 245*	Differential Equations	3			
PHYS 201*	Physics for Engr & Sci I	3		PHYS 202	Physics for Engr & Sci II	3		Concentration/Minor *		3			
PHYS 261*	General Physics Lab	1		PHYS 262	General Physics Lab	1		MATH 307*	Fundaments of Mathematics	3			
MATH/STAT Electives (MATH 311 or STAT 405)		3		MATH 308*	Introduction to Linear Algebra	3		Social Science **		3			
		10				10				12			

JUNIOR YEAR														
Fall Quarter			Cr	Gr	Winter Quarter			Cr	Gr	Spring Quarter			Cr	Gr
MATH 408*§	Introduction to Abstract Algebra	3	MATH 482*§		Introduction to Real Analysis	3	Fine Arts Appreciation	3						
Concentration/Minor*		3	Foreign Language ***		3	Concentration/Minor*		3						
ENGL 210, 211 or 212 Literature		3	Concentration/Minor*		3	MATH/STAT Electives*		3						
INEN 300***	Engineering Economics	2	INEN 301***		3									
		11			12			9						

SENIOR YEAR													
Fall Quarter		Cr	Gr	Winter Quarter		Cr	Gr	Spring Quarter		Cr	Gr		
MATH 394*	Research Methods	2		MATH/STAT Elective*		3		MATH/STAT Elective*		3			
MATH 495*	Senior Research Capstone I	1		CSC 130 or MATH 313		3		Concentration/Minor*		3			
Concentration/Minor*		3		ENGL 303	Technical Writing	3		Social Science **		3			
MATH/STAT Electives		3		MATH 496 *	Senior Research Capstone II	1		MATH 497* Senior Research Capstone*		1			
		9				10				10			

† Neither *MATH 240* nor *CHEM 100* counts toward the Mathematics degree. Placement exams are available. *FYE 100* will not be counted either.

* Grade of C or higher required

** Social Science electives can be selected from Anthropology, Criminal Justice, Economic, Geography, International Studies, Interdisciplinary, Political Science, Psychology, and Sociology.

*** Can be replaced by courses which are approved by the student's advisor and are at the 300 level in English, mathematics, or the student's minor/concentration.

Courses in **bold** are typically offered only once per year.

§ These can be taken in the senior year if necessary.