

MATHEMATICS
LOUISIANA TECH UNIVERSITY
Revised Spring 2011

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 _____	* _____
308	MATH 244	3	W _____	* _____
408	MATH 307	3	F _____	* _____
482	MATH 244, MATH 311 or 307	3	W _____	* _____
CHEM 101	CHEM 100 (or by placement); CHEM 103 (Co-req)	2	_____	* _____
102	CHEM 101	2	_____	_____
103	CHEM 101 (Co-req)	1	_____	* _____
104	CHEM 103	1	_____	_____
ENGL 101		3	_____	_____
102	ENGL 101	3	_____	_____
210, 211, or 212	ENGL 102	3	_____	_____
303	ENGL 102	3	_____	_____
SPCH 110 or 377		3	_____	_____
PHYS 201	MATH 241	3	_____	* _____
202	PHYS 201, MATH 242	3	_____	_____
261	MATH 241	1	_____	* _____
262	PHYS 261	1	_____	_____
Mathematics or Statistics Electives (see note 2)				
1st course		3	_____	_____
2nd course		3	_____	_____
3rd course		3	_____	_____
4th course		3	_____	_____
Concentration or Minor Courses (see note 2)				
1st course		3	_____	_____
2nd course		3	_____	_____
3rd course		3	_____	_____
4th course		3	_____	_____
5th course		3	_____	_____
6th course		3	_____	_____
ELECTIVES				
ART (ART 290, MUGN 290, SPTH 290, or KINE 280)		3	_____	_____
HIST _____	See note 5	3	_____	_____
HIST _____	See note 6	3	_____	_____
BISC 130		3	_____	_____
BISC 131		1	_____	_____
Social Science	See notes 1 and 5	3	_____	_____
Social Science		3	_____	_____
Social Science		3	_____	_____
Computer Literacy (select one of the following)		3	_____	_____
CSC 120			W, Sp _____	_____
MATH 313			F, W _____	_____
Science Elective	See note 2	3	_____	_____
Foreign Language	See note 6	3	_____	_____
Foreign Language	See note 6	3	_____	_____
TOTAL SEMESTER HOURS		120		

SUBSTITUTIONS	APPR	SH	GRADE
1 _____	_____	_____	_____
2 _____	_____	_____	_____
3 _____	_____	_____	_____
4 _____	_____	_____	_____
5 _____	_____	_____	_____

ADDITIONAL COURSES	SH	GRADE
1 _____	_____	_____
2 _____	_____	_____
3 _____	_____	_____
4 _____	_____	_____
5 _____	_____	_____

NOTES

- * Requires grade of "C" or better.
- ** Credit or registration in

- 1 Social Science electives must include at least two disciplines selected from Economics, Geography, Political Science, Psychology, or Sociology.
- 2 Directed electives must be selected in consultation with student's advisor.
- 3 Substitutions must be initialed by Program Chair. Put substitution number in the "grade" blank of the course being replaced.
- 4 A student must have a 2.0 grade point average on all hours pursued in courses designated as MATH or STAT (Mathematics or Statistics).
- 5 All students must complete an International Education Requirement. HIST 102, GEOG 205, and GEOG 210 are acceptable for this requirement.
- 6 These courses can be replaced by courses at or above the 300 level in English, mathematics, or the student's minor/concentration. Must have advisor's approval.

Comments: _____

Advisor's Name _____

MATHEMATICS

LOUISIANA TECH UNIVERSITY

Name _____

Date _____

Student ID _____

Email _____

FRESHMAN YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
<i>MATH 240</i>	Math for Engr & Science	3		MATH 241*	Calculus I	3		MATH 242*	Calculus II	3
<i>CHEM 100</i>	General Chemistry	2		CHEM 101*	General Chemistry	2		CHEM 102	General Chemistry	2
BISC 130	Biological Principles	3		CHEM 103*	General Chemistry Lab	1		CHEM 104	General Chemistry Lab	1
BISC 131	Biological Principles Lab	1		ENGL 101	Freshman Composition I	3		ENGL 102	Freshman Composition II	3
UNIV 100	University Seminar	1		HIST ____ ***		3		HIST ____ ****		3
		10				12				12

SOPHOMORE YEAR										
Fall Quarter			Winter Quarter			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		Science Elective		3
Social Science***		3		CSC 120 or MATH 313		3		ENGL 210, 211 or 212 Literature		3
		10				10				12

JUNIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MATH/STAT Elective		3		MATH 308*	Introduction to Linear Algebra	3		MATH 307*	Fundamentals of Mathematics	3
Concentration/Minor		3		ENGL 303	Technical Writing	3		Concentration/Minor		3
ART†	Fine Arts Appreciation	3		Concentration/Minor		3		SPCH 110 or 377	Professional Speaking	3
Foreign Language****		3		Foreign Language****		3				
		12				12				9

SENIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MATH 408*	Introduction to Abstract Algebra	3		MATH 482*	Introduction to Real Analysis	3		MATH/STAT Elective		3
MATH/STAT Elective		3		MATH/STAT Elective		3		Concentration/Minor		3
Concentration/Minor		3		Social Science***		3		Social Science***		3
		9				9				9

Neither *MATH 240* nor *CHEM 100* counts toward the Mathematics degree. Placement exams are available.

* Grade of C or higher required before taking a course for which this one is a prerequisite.

** Directed electives are chosen in consultation with advisor and approved by the Program Chair.

*** HIST 102, GEOG 205, or GEOG 210 count as the International Education Requirement (IER).

**** 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.

† ART 290, SPTH 290, MUGN 290, or KINE 280 counts as the Fine Arts Requirement.

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