

MATHEMATICS
LOUISIANA TECH UNIVERSITY
Fall 2018 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 _____	* _____
308	MATH 243	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	MATH 301 Functions and Modeling	3	F _____	* _____
2nd course	MATH 302 Introduction to Geometry and Mathematic	3	W _____	* _____
3rd course	MATH 303 Introduction to Vector and Tensor Analys	3	Sp _____	* _____
4th course	MATH 311 Discrete Mathematics	3	_____	* _____
5th course	STAT 405 Statistical Methods	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 _____	* _____

NOTES

- * Requires grade of "C" or better.
- ** 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.
- The following substitutions needs approval only by UTech Tech program:**
- 7 UTCH/EDCI 101, UTCH/EDCI 201, and UTCH/EDCI 302 together can be substituted by EDCI 480
- 8 can be substituted by PSYC 207 or EDCI 207
- 9 can be substituted by EDCI 471
- 10 can be substituted by EDCI 438
- comments: _____

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	_____	_____

COMM 101	_____	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	See note 3&4 or EDCI 416C	2	_____	_____
INEN 301	See note 3&4 or EDCI 416C	3	W _____	_____

Concentration or Minor Courses (see note 6) UTeachTech				
1st course	UTCH/EDCI 101+201+302 (1+1+1) See note 7	3	F/W, W/S, F _____	* _____
2nd course	UTCH/EDCI 301 See note 8	3	F,(Sp) _____	* _____
3rd course	EDCI 403 (online)	3	_____	* _____
4th course	UTCH/EDCI 407 See note9	3	F,(W) _____	* _____
5th course	UTCH/EDCI 408 See note 10	3	Sp _____	* _____
6th course	EDCI 434 (online)	3	_____	* _____

ELECTIVES				
Fine Arts	See note 1	3	_____	_____
HIST 380	HIST 380	3	W _____	_____
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 or EDCI 416C	3	_____	_____

TOTAL SEMESTER HOURS		120		
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Advisor's Name _____

MATHEMATICS

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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 101	Fundamentals of Biology	3	CHEM 103*	General Chemistry Lab	1	CHEM 104	General Chemistry Lab	1		
<i>FYE 100</i> †	University Seminar	1	ENGL 101	Freshman Composition I	3	ENGL 102	Freshman Composition II	3		
UTCH 101*	Inquiry Approaches	1	UTCH 201*	Inquiry Based Lesson Design	1	COMM 101		3		
		10			10			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	STAT 405*	Classroom Interactions	3		
PHYS 261*	General Physics Lab	1	PHYS 262	General Physics Lab	1	Social/Behavioral Sciences		3		
EDCI 301	Knowing and Learning	3	ENGL 210, 211 or 212	Literature	3	CSC 130 or MATH 313		3		
		10	EDCI 302*	21 st Century Teaching	1			12		

JUNIOR YEAR										
Fall Quarter			Winter Quarter			Spring Quarter			Cr	Gr
MATH 301*	Functions and Modeling	3	MATH 302*	Intro to Geometry and Math. Funda	3	MATH 307*	Fundamentals of Mathematics	3		
EDCI 407*	Principles of Teaching	3	ENGL 303	Technical Writing	3	EDCI 408*	Project Based Instruction	3		
Fine Arts		3	HIST 380	Perspectives in Math & Science	3	MATH 303*	Intro to Vector & Tensor Analysis	3		
MATH 311*	Discrete Mathematics	3	MATH 308*	Introduction to Linear Algebra	3			9		
		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 497*	Senior Research Capstone	1		
MATH 394*	Research methods	2	EDCI 434*	Diverse Learners	3	EDCI 416C	Student Teaching	3		
EDCI 416C	Student Teaching	3	MATH 496*	Senior Research Capstone	1	EDCI 403*	M&M for Teaching Reading	3		
MATH 495*	Senior Research Capstone	1	EDCI 416C	Student Teaching	3	Social/Behavioral Sciences		3		
		9			10			10		

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

* Grade of C or higher required

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