








Transformative Learning Map

College of Science

Mathematics Courses

Key

	= Could study abroad
	= Could do national student exchange
	= Course has international focus
	= Could do internships, cooperative education, or research projects
	= Occasionally offered as service-learning course
	= Could do practicums or clinical experiences
---	= Pending information from department
	= Year-long sequence that should not be broken up
()	= May be approved on a case by case basis
■	= Cannot be done abroad or on national student exchange






















Find UI Approved International Universities for Your Major

























































<http://www.webs.uidaho.edu/ipo/abroad/search/subjects.htm>

Find USAC Study Abroad Programs for Your Major

<http://usac.unr.edu/programs/search.aspx>

This Transformative Learning Map (TLM) is intended to be used as an advising tool only, not a contract between the student and the university, and is subject to verification by the student's academic advisor and/or department chair. The TLM is designed to help students plan for transformative learning experiences such as study abroad, national student exchange, service-learning and internships. While a good faith effort has been made to provide accurate and up-to-date information for the TLM, course and degree requirements may change and so it is imperative you meet with your academic advisor to determine what changes, if any, have taken place and plan your experiences accordingly. The TLM is designed under the University of Idaho General Catalog. Please refer to the Catalog for specific requirements and seek the advice of your advisor for questions.

Key	Course Information	Credit	Notes
*Major requirements (electives to be chosen in consultation with the department advisor)			
	Math 108- Intermediate Algebra	3	
	Math 123- Math Applied to the Modern World	3	
	Math 130- Finite Math	3	
	Math 137- Algebra with Applications	3	
	Math 143- Pre-calculus Algebra & Analytic Geometry	3	
	Math 144- Analytic Trigonometry	1	
	Math 160- Survey of Calculus	4	
	Math 170*- Analytic Geometry & Calculus I	4	
	Math 175*- Analytic Geometry & Calculus II	4	
	Math 176- Discrete Mathematics	3	
	Math 204(s)- Special Topics	cr arr	
	Math 215- Intro to Higher Math	3	
	Math 235- Math for Elementary Teachers I	3	
	Math 236- Math for Elementary Teachers II	3	
	Math 275*- Analytic Geometry & Calculus III	3	
	Math 299(s)- Directed Study	cr arr	
	Math 301- Early Childhood Mathematics	4	
	Math 310- Ordinary Differential Equations	3	
	Math H315- Topics in Pure Math	3	
	Math 326- Linear optimization	3	
	Math 330*- Linear Algebra	3	

 	Math 361- Abstract Algebra	3	
 	Math 362- Abstract Algebra	3	
 	Math 371- Mathematical Physics	3	
 	Math 376- Discrete Math II	3	
 	Math 385- Theory of Numbers	3	
 	Math 386- Theory of Numbers	3	
 	Math 388- History of Mathematics	3	
 	Math 390- Modern Geometry	3	
 	Math 391- Modern Geometry	3	
 	Math 395- Analysis of Algorithms	3	
 	Math 400(s)- Seminar	cr arr	
 	Math 404(s)- Special Topics	cr arr	
 	Math 415- Cryptography	3	
 	Math 420- Complex Variables	3	
 	Math 426- Discrete Optimization	3	
 	Math 432- Numerical Linear Algebra	3	
 	Math 433- Numerical Analysis	3	
 	Math 435(s)- Topics in Applied Math	cr arr	
 	Math 437- Mathematical Biology	3	
 	Math ID&WS 452- Mathematical Statistics	3	
 	Math ID&WS-J453- Stochastic models	3	
 	Math 455- Applied Actuarial Science	1	
 	Math 461- Abstract Algebra	3	
 	Math 471- Into to Analysis 1	3	
 	Math 472- Into to analysis 2	3	
 	Math 476- Combinatorics	3	
 	Math 480- Patial Differential Equations	3	
	Math 497(s)- Practicum in Tutoring	1, max 2	Only at UI.
 	Math 499(s)- Directed Study	cr arr	

The University of Idaho reserves the right to change, amend or discontinue any articulation agreement or curriculum plan at any time.