








# University of Idaho Study Abroad Transformative Learning Map

## College of Engineering

### Chemical Engineering 5-Year Plan

#### 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	Note	Key	Course Information	Credit	Note
<b>First Year:</b>							
	<b>FALL</b>				<b>SPRING</b>		
	Chem 111- Principles of Chemistry I*	4			Chem 112- General Chemistry*	5	
	Math 170- Analytic Geom & Calc I	4			Math 175- Analytic Geom & Calc II	4	
	Engl 102- Essay Writing	3			Phys 211- Engineering Physics I#	3	
■	Core- Hum/SS Elective	3-4	Only at UI	■	Core- Hum/SS Elective	3-4	Only at UI
	<b>Total</b>	<b>14-15</b>			<b>Total</b>	<b>14-15</b>	<b>TOTAL 28-30</b>
<b>Second Year:</b>							
	<b>FALL</b>				<b>SPRING</b>		
	Chem 277- Organic Chem	3			Chem 372- Organic Chem II	3	
	Chem 278- Organic Chem Lab	1			Chem 374- Organic Chem II Lab	1	
	Phys 212- Engr Physics II#	3		---	Engr 210- Engr Dynamics*	3	
---	ChE 110- Intro to Chem Engr	1			Math 310- Ord. Diff. Equation*	3	
	Math 275- Analytic Geom & Calc III*	3			ChE 223- Mat. & Energy Bal*	3	
	ChE 123- Computation in ChE	2					
	<b>Total</b>	<b>13</b>			<b>Total</b>	<b>13</b>	<b>TOTAL 26</b>
<b>Third Year:</b>							
	<b>FALL</b>				<b>SPRING</b>		
	Chem 305- Physical Chemistry	3		---	Engr 240- Intro to Elec Engr	3	
	Chem 307- Physical Chemistry Lab	1			Chem/Bioscience Elective	4	
	Math Elective	3			Econ Elective	3	
---	Engr 335- Fluid Mechanics*	3		---	Engr 320- Thermo & Ht Trans*	3	

→	CS Elective	3					
	<b>Total</b>	<b>13</b>			<b>Total</b>	<b>13</b>	<b>TOTAL 26</b>
<b>Fourth Year:</b>							
	<b>FALL</b>				<b>SPRING</b>		
→	ChE 340- Trans & Rate Proc I	4		→	ChE 341- Trans & Rate Proc II	4	
→	Hum or SS Elective	3		→	ChE 423- Reactor Kinetics & Des	3	
→	ChE 326- Chem Engr Thermo	3		→	Communication Elective	2	
→	Technical Elective	3		→	ChE 330- Separation Proc	3	
	<b>Total</b>	<b>13</b>			<b>Total</b>	<b>12</b>	<b>TOTAL 25</b>
<b>Fifth Year:</b>							
	<b>FALL</b>				<b>SPRING</b>		
→	ChE 444- Process Analysis	3		→	ChE 445- Process Control	3	
→	ChE 453- Chem Proc Analysis Des.	1		→	ChE 454- Chem Proc Analysis & Des	3	
→	ChE 491- Seminar	1		(→)	Technical Elective	3	
→	ChE 433- Trans & Rate Proc Lab	3		→	Hum/SS Elective	3	
→	Elective (unspecified)**	1		→	ChE 434- Trans Rate Proc Lab	1	
	<b>Total</b>	<b>12</b>			<b>Total</b>	<b>13</b>	<b>TOTAL 25</b>
					<b>TOTAL CREDITS</b>		<b>128*</b>

\*Total for degree = 128 credits. Course offerings may change from year to year. Always check the current course catalog.

Specified credits: 99; Humanity-Social Sciences credits: 15; Communication Elective (from core): 2 credits; Other unspecified (Math -3; ChE -3; Technical -3): 12 credits. The University of Idaho reserves the right to change, amend or discontinue any articulation agreement or curriculum plan at any time.

Classes marked with an asterisk (\*) must ALL be completed with a grade of "C" or better in each one before registration is permitted in upper division engineering classes. Humanities and social electives (including Econ elective ) must satisfy the university's general education core.

**#Physics labs are not required, enroll in 3 credit section (typically section 51 or 52) which do not include the lab.**  
**\*\*Need one credit to be a full-time student (can take -\*any\*-course to fulfill this credits).**

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