








University of Idaho Study Abroad Transformative Learning Map

College of Engineering

Electrical & Computer Engineering 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
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*Major requirements (Electives to be chosen in consultation with departmental advisor)

	*ECE 101- Foundations of Electrical & Computer Engineering	2	
	ECE 204(s)- Special Topics	cr arr	
	*ECE 210- Electrical Circuits I	3	
	*ECE 211- Electrical Circuits Lab I	1	
	*ECE 212- Electrical Circuits II	3	
	*ECE 213- Electrical Circuits II Lab	1	
	*ECE 240- Digital Logic	3	
	*ECE 241- Logic Circuit Lab	1	
	*ECE 292- Sophomore Seminar	0	It will be challenging to find an equivalent course abroad.
	*ECE 310- Fundamentals of Electronics	3	
	*ECE 311- Fundamentals of Electronics Lab	1	
	ECE 314- Analog & Digital Engineering	3	
	ECE 320- Energy Systems I	3	
	ECE 321- Energy Systems I Laboratory	1	
	ECE 330- Electromagnetic Theory	3	
	ECE 331- Electromagnetic Laboratory	1	
	*ECE 340- Microcontrollers	3	
	*ECE 341- Microcontrollers Lab	1	
	*ECE 350- Signals & Systems I	3	
	*ECE 351- Signals & Systems I Lab	1	
	ECE 398- Electrical Engineering Cooperative Internship	1-3, max arr	Elective
	ECE 404(s)- Special Topics	cr arr	
	ECE 410- Advanced Electronics	3	

 	ECE 411- Advanced Electronics Laboratory	1	
 	ECE J412- Analog Filter Design	3	
 	ECE J413- Communication Circuits	3	
 	ECE J415- Analog Integrated Circuit Design	3	
 	ECE 416- Applications of Linear Integrated Circuits	3	
 	ECE J417- Pulse & Digital Circuits	3	Sometimes offered every other year
 	ECE J418- Intro to Electronics Packaging	3	Sometimes offered every other year
 	ECE 420- Energy Systems II	3	
 	ECE 421- Intro to Power Systems	3	
 	ECE 423- Power Systems Analysis	3	
 	ECE 425- Power Electronics Lab	1	Rarely taught
 	ECE 427- Power Electronics & Drives	3	
 	ECE 430- Microwave & Millimeter Wave Circuits	3	
 	ECE 432- Propagation of Wireless Signals	3	
 	ECE ID&WS433- Numerical Solutions to Electromagnetic Problems	3	
 	ECE 434- Antenna Principles & Design	3	
 	*ECE 440- Digital Systems Engineering	3	
 	ECE J441- Advanced Computer Architecture	3	
 	ECE 443- Distributed Processing & Control Networks	3	
 	ECE 445- Intro to VLSI Design	3	
 	ECE J449- Fault-Tolerant Systems	3	
 	ECE 450- Signals & Systems II	3	
 	ECE J451- Electroacoustic Sensors & Systems	3	
 	ECE ID&WS452- Communication Systems	3	
 	ECE 453- Communication systems Laboratory	1	Rarely taught
 	ECE 455- Information & Coding Theory	3	
 	ECE 460- Semiconductor Devices	3	
 	ECE J462- Semiconductor Theory	3	
 	ECE J465- Intro to Microelectronics Fabrication	3	
 	ECE 470- Control Systems	3	
 	ECE 471- Digital Control Systems	3	
 	ECE 476- Digital Filtering	3	
 	ECE 477- Digital Process Control	3	
  	ECE 480- EE Senior Design I	3	Year-long sequence courses, Transferring credits could be challenging, but it's case by case. Foreign courses be evaluated carefully.
  	ECE 481- EE Senior Design II	3	
  	*ECE 482- Computer Engineering Senior Design I	3	
  	*ECE 483- Computer Engineering Senior Design II	3	
  	*ECE 491- Senior Seminar	0	It will be challenging to find an equivalent course abroad.
 	ECE 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.