








University of Idaho Study Abroad Transformative Learning Map

College of Engineering

Mechanical 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
*Major requirements (Electives to be chosen in consultation with departmental advisor), TE = Technical Elective			
	*ME 123- Intro to Mechanical Design	3	
	*ME 223- Mechanical Design Analysis	3	
	*ME 301- Computer Aided Design Methods	3	
■	ME 307- Group Mentoring I	1	Only at UI, TE
■	ME 308- Group Mentoring II	1	Only at UI, TE
	*ME 313- Dynamic Modeling of Engineering Systems	3	
	ME ID&WS324- Dynamic Analysis in Machine Design	3	Offered occasionally.
(   )	*ME 325- Machine Component Design I	3	Only offered in Spring. ME 325 and 341 are sequent courses, and it might be hard to find the equivalent courses abroad so students might want to take these courses at UI.
	*ME 330- Experimental Methods for Engineering	3	Lab course
(   )	*ME 341- Intermediate Mechanics of Materials	3	Only offer in Fall. ME 325 and 341 are sequent courses, and it might be hard to find the equivalent courses abroad so students might want to take these courses at UI.
	*ME ID&WS345- Heat Transfer	3	
	ME 398(s)- Engineering Cooperative Internship I	cr arr	TE
	ME 399(s)- Engineering Cooperative Internship II	cr arr	TE
	ME 401(s)- Engineering Term Projects	2-3, max arr	TE
	ME 404(s)-Special Topics	cr arr	TE
■	ME 407- Group Mentoring III	1	Only at UI, TE
■	ME 408- Group Mentoring IV	1	Only at UI, TE

→	ME 410- Principles of Lean Manufacturing	3	TE
→	ME 411- Advanced Lean Manufacturing	3	TE
→	ME 412- Gas Dynamics	3	TE
→	ME J413/J513- Engineering Acoustics	3	TE
→	ME J414/J514- HVAC Systems	3	TE
→	ME 415- Materials Selection and Design	3	TE
→	ME J417/J517- Turbomachinery	3	TE
→	ME J418/J518- Discrete System Simulation and Animation	3	TE
→	ME 419- Advanced Simulation and Animation	3	TE
→	ME J420/J520- Fluid Dynamics	3	TE
→	ME J421/J521- Advanced Computer Aided Design	3	TE
→	ME 422- Applied Thermodynamics	3	TE
■	*ME 424- Mechanical Systems Design I	3	Only at UI, year-long sequence course with ME 426, Senior capstone course
→	ME 425- Machine Component Design II	3	TE
■	*ME 426- Mechanical Systems Design II	3	Only at UI, year-long sequence course with ME 424, Senior capstone course
→	ME 428- Computer Aided Simulation	3	TE
■	*ME 430- Senior Lab	3	Only at UI, Senior course
■	*ME 435- Thermal Energy Systems Design	3	Only at UI, Senior course
→	ME J443/J543(s)- Analysis of Thermal Energy Systems	3, max arr	TE
→	ME ID&WS444- Air Conditioning Engineering	3	TE
→	ME J451/J541- Experimental Methods in Fluid Dynamics and Heat Transfer	3	TE
→	ME 461- Fatigue and Fracture Mechanics	3	TE
→	ME ID&WS472- Mechanical Vibrations	3	TE
→	ME ID&WS 481- control Systems	3	TE
→	ME 499(s)- Directed Study	cr arr	TE
The University of Idaho reserves the right to change, amend or discontinue any articulation agreement or curriculum plan at any time.			