









University of Idaho Study Abroad Transformative Learning Map

College of Engineering

Materials Science and 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)

| | | | |
|---|---|--------|--|
|  | *MSE 101- Intro to Metallurgy and Materials Science | 2 | |
|  | *MSE 201- Elements of Materials Science | 3 | |
|  | MES WS302- Electronic Materials | 3 | |
|  | *MSE 308- Thermodynamics of Materials | 3 | |
|  | *MSE 309- Transport Phenomena for Design | 4 | |
|  | *MSE 313- Physical Metallurgy | 4 | |
|  | *MSE ID341- Particulate Materials Processing | 4 | |
|  | MSE 344- Hydroprocessing of Materials | 4 | |
|  | MSE 400(s)- Seminar | cr arr | |
|  | MSE 404(s)- Special Topics | cr arr | |
|  | MSE ID407- Materials Fabrication | 3 | |
|  | MSE J410- Plasma Processing of Materials | 3 | |
|  | *MSE 412- Mechanical Behavior of Materials | 3 | |
|  | *MSE J413- Phase Equilibria in Materials | 3 | |
|  | *MSE 414- Process Design | 3 | |
|  | *MSE ID415- Materials Selection and Design | 3 | |
|  | *MSE 417- Instrumental Analysis | 3 | |
|  | MSE ID-J421- Light Metals | 3 | |
|  | *MSE J423- Corrosion | 3 | |
|  | *MSE J427- Ceramics Materials | 3 | |
|  | MSE 428- Advanced Engineering Ceramics | 3 | |
|  | MSE ID-J429- Melting, Casting, and Powder Metallurgy | 3 | |
|  | *MSE 430- Electrical, Optical, and Magnetic Properties of Materials | 3 | |

| | | | |
|---|---|--------|------------------------|
|   | *MSE 432- Fundamentals of Thin Film Fabrication | 3 | |
|   | *MSE 434- Fundamentals of Polymeric Materials | 3 | |
|   | MSE J437- Radiation Effects on Materials | 3 | |
|   | MSE J438- Fundamentals of Nuclear Materials | 3 | |
|   | MSE 442- Pyroprocessing of Materials | 4 | |
|    | MSE 498(s)- Internship | cr arr | |
|    | MSE 499(s)- Directed Study | cr arr | This can be practicum. |

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