Faculty-Led Study Abroad
Information Session
Tickle College of Engineering
Summer 2023
tiny.utk.edu/engabroad

Why faculty led?

• UT faculty serve as trip leaders on all trips. Courses offered are required in some curricula, or are offered as technical electives.

• Students receive UT credit for courses, no transfer evaluation required. Grades do count in UT GPA. Technical electives always have to be approved by your advisor.
Why faculty led?

- All program locations are chosen so that the courses are “enhanced” with field trips and experiences related to the subject matter for a superior learning experience.
- All trips include both planned cultural experiences and free time to learn about local culture. Travel before or after program is encouraged.

Programs for 2023
May Mini-term (May 19 – Jun 7)

- **Materials Engineering in Milan** – Mini-term
  - Dr. Kevin Kit

- **Applied Human Factors and Art in Italy** – Mini-term
  - Prof. Laura Knight

- **Nuclear Engineering in Prague** ???
Programs for 2023
1st Summer Session (June 9 – July 8)

• Engineering in London
  ➢ Drs. Michael Berry and Andrew Dickerson

• Reliability and Business Excellence in Zurich
  ➢ Dr. Klaus Blache

Courses & Pre-reqs

<table>
<thead>
<tr>
<th>Program</th>
<th>Pre-requisite(s)</th>
<th>Course Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>London</td>
<td>Math 241, Math 231, Instructor permission</td>
<td>ME 331, ECE 301</td>
</tr>
<tr>
<td>Zurich</td>
<td>Consent of Instructor</td>
<td>IE 495</td>
</tr>
<tr>
<td>Milan</td>
<td>Chem 120</td>
<td>MSE 201</td>
</tr>
<tr>
<td>Florence</td>
<td>Instructor permission</td>
<td>IE 493</td>
</tr>
<tr>
<td>Prague</td>
<td>Rising NE senior, NE 401</td>
<td>NE 427</td>
</tr>
</tbody>
</table>
London

Professors: M.W. Berry (ECE 301), A.K. Dickerson (ME 331)

Course Prerequisites: GPA 2.75, Math 231 & 241 (Ugrad TA option available for ECE 301 or ME 331 prior credit)

Academic Credit: 6 credit hours (Hope scholarship eligible)

Program Venues: Bletchley Park, British Science Museum, Brunel Museum, Globe Theatre, Greenwich (Thames Barrier), London Eye, London Water & Steam Museum (Kew Bridge), Royal Institute (Faraday Laboratory), Old Operating Theatre (St. Thomas’ Church)

Debit Card: £150 for daily lunch and laundry needs

Oyster Card: unlimited tube (underground) travel in Zones 1 and 2

Course Format: morning lectures and afternoon lab sessions (1 hr)

Contact Dr. Klaus Blache if interested
kblache@utk.edu

IE-495, 3 credits
Switzerland
Reliability & Business Excellence (Zurich, Switzerland)

To provide students a global perspective of the importance of lean manufacturing, reliability and maintainability engineering (i.e., impact on ROI), what makes companies successful and how to sustain that success.

Milan (May 19 – Jun 6)

Instructor: Kevin Kit (MSE, EF, Honors)

Course: MSE 201 Introduction to Materials Science and Engineering (3 credit hours)

Prereqs: GPA 2.75, CHEM 122 and CHEM 123; or CHEM 128.

Site visits: Bike manufacturers, Science & Technology Museum

City Tour (on bikes): Sforza Castle, Parco Sempione, Galleria, Duomo (rooftop)

Giro d’Italia: Sun 5/21 in Bergamo, 5/22 tour of Bergamo (UNESCO World Heritage Site)

Transportation: monthly pass valid on subway/tram/bus in Milan

72 hr free weekend: noon Fri 5/26 – noon Mon 5/29

Other Milan Attractions: Last Supper fresco, San Siro stadium (AC Milan & Inter Milan), Leonardo3 Museum, Teatro alla Scala, Museo Civico Archeologico,
 Milan

 Florence

 Applied Human Factors and Art in Italy

 IE493 is a three (3) credit hour course designed to provide the opportunity to broaden and utilize your human factors knowledge while experiencing exposure and connection to art and design in a culturally immersive Italian experience.

 Our weekly schedule consists of asynchronous content and assignments, group activities, and facility visits.

<table>
<thead>
<tr>
<th>Content and Assignments</th>
<th>Business Visits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performing research and knowledge management</td>
<td>Da Vinci Museum and hike to Monte Ceceri</td>
</tr>
<tr>
<td>Brief Art History and related interactive assignments</td>
<td>Scuola del Cuio (Leather School)</td>
</tr>
<tr>
<td>Human Factors and Anthropometrics Overview</td>
<td>Fabio Figus Knives</td>
</tr>
<tr>
<td>Design challenge</td>
<td>Stefano Bemer (luxury, bespoke shoes and school)</td>
</tr>
</tbody>
</table>
Florence

Scheduled Activities and Guided Tours
- Florence City Center and key sites
- Piazza del Duomo, Baptistry, and Giotto’s Campanile
- Basilica of Santa Croce
- Piazzale Michelangelo and San Miniato
- Palazzo Pitti and Boboli Gardens
- Uffizzi and Bargello
- Accademia Gallery (David!)
- Ponte Vecchio and Piazza Della Signoria
- Rome City Center – Spanish Steps, Trevi Fountain, Pantheon, St. Louis of the French
- Colosseum, Forum and Palatine Hill
- Vatican Museum and Sistine Chapel (optional Papal Audience)

Application

- February 17, 2023 deadline
- [www.engr.utk.edu/study-abroad/faculty-study-abroad](http://www.engr.utk.edu/study-abroad/faculty-study-abroad)
- Complete applications are reviewed following the application deadline.
- Student is notified of acceptance into the program, and then has one week to commit to program. This is the financial commitment date.
Fees

• Trips charge a “Program Fee” which generally includes lodging, local transportation, trips and excursions, and classroom rental, if applicable.

• Other: Study Abroad Fee, Tuition & Fees, Travel from US, Meals, Personal Expenses

Estimated 2023 Fees

<table>
<thead>
<tr>
<th>Program</th>
<th>Program Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>London</td>
<td>$5,602</td>
</tr>
<tr>
<td>Zurich</td>
<td>$4,041</td>
</tr>
<tr>
<td>Milan</td>
<td>$4,057</td>
</tr>
<tr>
<td>Florence</td>
<td>$3,899</td>
</tr>
<tr>
<td>Prague</td>
<td>?</td>
</tr>
</tbody>
</table>
Other Costs

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>Depends on credits, in-state, out-of-state</td>
</tr>
<tr>
<td>Global Programs</td>
<td>$175</td>
</tr>
<tr>
<td>Admin Fee</td>
<td>$175</td>
</tr>
<tr>
<td>Flight</td>
<td>Varies</td>
</tr>
<tr>
<td>Meals</td>
<td>Varies</td>
</tr>
<tr>
<td>Personal</td>
<td>Varies</td>
</tr>
</tbody>
</table>

Scholarships

- [studyabroad.utk.edu](http://studyabroad.utk.edu) (Financial Aid & Scholarships link)
- Individual departments may also grant study abroad scholarships
- Tennessee lottery scholarships can be used for a summer program as long as 6 credit hours (minimum) are taken over the entire summer
More info about all 4 programs including links to applications, detailed costs, etc.

https://tickle.utk.edu/student-experience/study-abroad/faculty-directed