Topics to be covered

• Where the exchange fits into your Engineering programme
• Why go on exchange and factors to consider
• Options available for engineering students
  • Cluster
  • Erasmus +
  • Unitech
  • Non – EU exchanges
  • International Internships
• Where to find more information
• Deadlines
Who am I?

Kate Smith, Global Officer for the School of Engineering

| Office Hours** | Monday: 3.30 – 5.30pm  
| Thursday: 3.30 – 5.30pm  
| Drop in welcome at these times, however I may not always be available. Please email to arrange an appointment time. |
| Location | Museum Building  
| (Engineering School Office) |
| E-mail | InternationalEng@tcd.ie; |
How study abroad fits in to your Engineering Degree

- 2:1 requirement to study abroad
- Must take full course load while away (60 ECTS)
- JS year = 20% of your BAI degree
- SS year = 80% of your BAI degree
- MAI = separate mark (fail/pass/distinction)
Why go on exchange?

Personal Growth

- More diverse learning
- Personal growth + independence
- Culture
- Improved career prospects
- Travel and adventure
Why go on exchange?

Transferrable Skills

- International knowledge base
- Decision-making skills
- Problem-solving skills
- Interpersonal skills
- Communication skills
Other Factors to Consider about Exchanges

• Finances
• Culture Shock
• Structure of other universities
• Academic Expectations
• Pre-requisites and module availability
• Term dates and structures
What are the options available for Engineering students?

**Europe**

1. **ERASMUS+**
   - CLUSTER universities
   - Other universities
2. **UNITECH**
3. **Internships/college – Madrid** (Civil Eng only)

**Non-EU**

1. **College Wide reciprocal exchange to North America, Australia and Asia**
2. **TASSEP (limited scope)**
3. **Polytechnique Montreal Internships**
Fees and Costs and Extras

- **Tuition fees**
  - Still have to pay your Trinity college fees
  - Fees at host university are waived

- **Student responsibility (to organise and pay for)**
  - Health insurance (Some colleges provide)
  - Accommodation sourcing and costs (not guaranteed)
  - Visas – apply for your visa once you are accepted by your college.

- **Grants available:**
  - Non- EU exchanges: No grants, apart from Asian Bursary.
  - Unitech – travel grant (€1,000), Erasmus grants + paid internship
  - Erasmus – grants available (< €270/month dependent on country)
### Elite European Universities in Science and Engineering (and architecture)

<table>
<thead>
<tr>
<th>University Name</th>
<th>City</th>
<th>Country</th>
<th>Specializations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grenoble Institute of Technology</td>
<td>Grenoble</td>
<td>France</td>
<td>Electronic, Mechanical, Civil</td>
</tr>
<tr>
<td>Instituto Superior Técnico</td>
<td>Lisbon</td>
<td>Portugal</td>
<td>Mechanical only</td>
</tr>
<tr>
<td>Karlsruhe Institute of Technology</td>
<td>Karlsruhe</td>
<td>Germany</td>
<td></td>
</tr>
<tr>
<td>Royal Institute of Technology</td>
<td>Stockholm</td>
<td>Sweden</td>
<td></td>
</tr>
<tr>
<td>Katholieke Universiteit Leuven</td>
<td>Leuven</td>
<td>Belgium</td>
<td></td>
</tr>
<tr>
<td>Polytechnic University of Turin</td>
<td>Torino</td>
<td>Italy</td>
<td></td>
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<tr>
<td>Darmstadt University of Technology</td>
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<td>Germany</td>
<td></td>
</tr>
<tr>
<td>Eindhoven University of Technology</td>
<td>Eindhoven</td>
<td>Netherlands</td>
<td>Biomedical only</td>
</tr>
<tr>
<td>Université Catholique de Louvain</td>
<td>Louvain-la-Neuve</td>
<td>Belgium</td>
<td></td>
</tr>
<tr>
<td>UPC</td>
<td>Barcelona</td>
<td>Spain</td>
<td>Civil only</td>
</tr>
<tr>
<td>Additional Erasmus + destinations</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>-----------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INSA Lyon</td>
<td>Lyon</td>
<td>France</td>
<td>Mechanical, Electronic, Computer, Civil</td>
</tr>
<tr>
<td>Politecnico do Milano</td>
<td>Milan</td>
<td>Italy</td>
<td>Biomedical, Mechanical</td>
</tr>
<tr>
<td>Universidad Politécnica de Madrid</td>
<td>Madrid</td>
<td>Spain</td>
<td>Civil Eng work placement</td>
</tr>
<tr>
<td>University of Burgos</td>
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<td>Civil Engineering</td>
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<td>University of Ferrara</td>
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<td>Italy</td>
<td>Civil only</td>
</tr>
<tr>
<td>University of Granada</td>
<td>Granada</td>
<td>Spain</td>
<td>Civil only</td>
</tr>
<tr>
<td>RWTH Aachen</td>
<td>Aachen</td>
<td>Germany</td>
<td>Bioengineering</td>
</tr>
</tbody>
</table>
Application Procedure for Erasmus

Details of CLUSTER:

https://cluster.org/about-us/member-universities/

https://www.facebook.com/cluster.network

Details of Erasmus + generally:


TCD Erasmus support: Erasmus@tcd.ie

Application Deadlines:

- Submit preliminary application to Engineering School: 1\textsuperscript{st} February 2019
  - (You can only apply via online Trinity application after your application has been approved by Engineering)
- TCD online application (for Erasmus grant): February 2019
- Apply to universities (for admissions): March/ April 2019 onwards
Engineering Erasmus Application Procedure

Personal Declaration for Study Abroad
Engineering School

Please read this declaration carefully, in full, before signing and submitting your application.

International Affairs by 5pm on the 1st February 2019.

Study abroad does not suit everyone. Before applying, students should reflect carefully on their individual academic goals, learning styles, personal circumstances etc.

1. You should have confidence in answering 'YES' to the following statements:
   - I am aware of the academic and personal challenges that can arise during study abroad.
   - I am not aware of any specific issue(s) or factor(s) that would adversely affect my ability to adapt to a different learning environment or to integrate smoothly into a different cultural environment.
   - (where applicable) I realise that I will have to adapt to a different linguistic environment and am confident in my language abilities.

2. Respect for host University:

   Exchange students must follow the rules of their host university, particularly with regard to subject assessment and examinations, and accept that conditions may differ from those in Trinity.

   I understand that:
   - it is my responsibility to inform the host University of any needs I may have.
   - the Engineering School in Trinity College Dublin cannot guarantee accommodations abroad.
   - the Engineering School in Trinity College Dublin cannot review the decisions of partner universities.

3. Compliance with institutional, national, EU and international regulations:

   - College-Wide exchanges: I understand that my exchange is governed by the International Admissions and Study Abroad Office, where I am subject to Engineering School rules, I am aware that my point of contact is the International Admissions and Study Abroad Office and that the Engineering School merely facilitates this process.
   - European exchanges: I understand and accept that study abroad is governed by regulations and procedures set out in ERASMUS and other relevant literature published by the EU, the Higher Education Authority (Ireland) and other relevant national and supranational bodies.

TRINITY COLLEGE DUBLIN, SCHOOL OF ENGINEERING
EXCHANGE PROGRAMME APPLICATION FORM

APPLICATIONS TO STUDY ABROAD IN 2019-20 ACADEMIC YEAR

Please send the following documents electronically to international@tcd.ie no later than 1st February 2019. Earlier applications would be appreciated so that the process of writing them can be completed as early as possible to ensure timely admission.

1. Application Form
2. Motivational Letter (max 500 words)
3. CV
4. Signed Personal Declaration

Incomplete, hurriedly written or incomplete applications will not be considered.

Please read the Erasmus and Exchange Rules and the Personal Declaration very carefully before deciding to submit your application.

Please ensure that, when submitting your application, the structure remains exactly as it is below (i.e. that your answers do not run over into additional pages). If you find that you have not enough space to complete the open-ended sections, please reduce the font size to 11pt.

1. Personal Details

<table>
<thead>
<tr>
<th>Name</th>
<th>Student ID</th>
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<table>
<thead>
<tr>
<th>Term Address</th>
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<table>
<thead>
<tr>
<th>Telephone</th>
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<tr>
<td></td>
<td>@tcd.ie</td>
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<table>
<thead>
<tr>
<th>Tutor’s Name</th>
<th>Tutor’s Email</th>
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2. Please specify your exact degree programme

<table>
<thead>
<tr>
<th>Degree Programme</th>
<th>Please select the relevant box</th>
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</thead>
<tbody>
<tr>
<td>Engineering with Management</td>
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<tr>
<td>Biomedical Engineering</td>
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</tr>
<tr>
<td>Civil, Structural and Environmental Engineering</td>
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<tr>
<td>Computer Engineering</td>
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<tr>
<td>Electronic Engineering</td>
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<tr>
<td>Computer and Electronic Engineering</td>
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</tr>
<tr>
<td>Mechanical and Manufacturing Engineering</td>
<td></td>
</tr>
</tbody>
</table>

Trinity College Dublin, The University of Dublin
Application Procedure for CLUSTER/ERASMUS

• Nominated by School of Engineering
  • Application form – List up to 6 universities
  • Declaration form
  • CV
  • Motivational letter (500 words)
  • Transcript (my.tcd portal printout with stamp) – 2.1 in SF usually required

• If nominated, apply for an ERASMUS grant from the ERASMUS office

• If successful, apply to host university for exchange place

• **DEADLINE: Submit application to School of Engineering 1\textsuperscript{st} February 2019**

https://www.tcd.ie/Engineering/international/outgoing/erasmus.php
Academic Partners

1. Chalmers University of Technology, Göteborg
2. ETH Zurich
3. INSA Lyon
4. Loughborough University
5. Politecnico di Milano
6. RWTH Aachen
7. Trinity College Dublin
8. TU Delft
Application Procedure for Unitech

Details of the programme: [http://www.unitech-international.org](http://www.unitech-international.org)

Information Session: 8\textsuperscript{th} November 2019, 1pm, Drawing Office

Application Deadline: 19\textsuperscript{th} December 2018

Assessment Centre: 18\textsuperscript{th} January 2019 (Students must be available)
Non-EU College Wide Partner Universities
(which engineer students are eligible to apply to)

**Australia**
- Australian National University
- University of Melbourne
- University of Queensland
- University of New South Wales
- University of Sydney

**New Zealand**
- University of Auckland

**Canada**
- McGill University
- University of Toronto
- University of Waterloo
- University of British Columbia

**USA**
- Georgetown University
- University of California
- University of North Carolina at Chapel Hill
- University of Madison, Wisconsin
- University of Notre Dame
- Georgia Institute of Technology

**China**
- Beihang University**
- Tsinghua University**
- Shanghai Jiao Tong - NEW
- University of Hong Kong
- Hong Kong University of Science and Technology

**limited modules available in English, generally suitable for fluent speakers of the language of the host universities**
Non-EU College Wide Partner Universities
(which engineer students are eligible to apply to)

Singapore
- National University of Singapore

Japan
- University of Kyoto**
- Waseda University**

South Korea
- Seoul National University

Taiwan
- National Taiwan University

Brazil
- PUC Rio**

** limited modules available in English, generally suitable for fluent speakers of the language of the host universities
More Information on Non-EU exchanges

Check the TCD study abroad website:

https://www.tcd.ie/study/study-abroad/outbound/

For TCD application and administration queries:
- Contact non-EU exchange coordinator
  - noneuex@tcd.ie

For queries about specific universities:
- Contact that University directly
  - International office or the Engineering School specifically
- Contact Student Mobility Officer
  - Elina Mats: emats@tcd.ie
Application Procedure for Non-EU exchanges

• Nominated by International Study Abroad and Admissions
• List up to 8 colleges in order of preference
  • May be multiple rounds of offers
• 2.1 required in SF summer exams to apply
• Download application form - signed by departmental co-ordinator
• An official transcript (request 1-2 weeks in advance) or portal print-out (verified with stamp from School of Engineering office)
• Hand in hard copy application to Academic Registry, marked for the attention of International and Study Abroad
• **DEADLINE: 5pm, 16th November 2018**
• Canadian and U.S. universities
• Places limited (10 per year approx.)...very limited suitability for engineers
• Information session usually in December.
• Deadline 15\textsuperscript{th} January 2019.
• For more information on TASSEP exchanges, please see here: http://www.tassep.upmc.fr/en/index.html
• Coordinator:
  • Peter Dunne (Chemistry department)
  • p.w.dunne@tcd.ie
Who is your Academic Departmental Coordinator?

- Offers academic advice
- Best resource for information
- Signs off on your learning agreement
- Makes the final call
## Academic Departmental Coordinators for Engineering

<table>
<thead>
<tr>
<th>Engineering Stream</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical Engineering</td>
<td>Dr David Hoey</td>
</tr>
<tr>
<td>Civil, Structural and Environmental Engineering</td>
<td>Dr Sara Pavia</td>
</tr>
<tr>
<td>Computer Engineering</td>
<td>Dr Mike Brady</td>
</tr>
<tr>
<td>Electrical and Electronic Engineering</td>
<td>Dr Nicola Marchetti</td>
</tr>
<tr>
<td>Mechanical and Manufacturing (and CLUSTER coordinator)</td>
<td>Dr Tim Persoons</td>
</tr>
<tr>
<td>Engineering with Management</td>
<td>Dr Kevin Kelly</td>
</tr>
<tr>
<td>UNITECH</td>
<td>Dr Brian Broderick</td>
</tr>
</tbody>
</table>
Grade Conversions

• EU Universities – 60 ECTS

• Non-EU – 60 ETCS equivalent
  • The School of Engineering converts your overall grade from your host university to the equivalent in the Trinity marking scale.

• Students required to pass a minimum of 45 ECTS to pass year.
  • For students away for a full academic year, their best 45 ETCS is converted to Trinity grades.

• Grade conversion table available here, but school will assess all cases

https://www.tcd.ie/study/assets/PDF/Grade%20Conversion%20Tables_November%202017.pdf
Grade Conversions

- Example – Non-EU study abroad for entire year
- Non-EU – 60 ETCS equivalent
  - The School of Engineering converts your overall grade from your host university to the equivalent in the Trinity marking scale.
  - Students required to pass a minimum of 45 ECTS to pass year.
  - For students away for a full academic year, their best 45 ETCS is converted to Trinity grades.

<table>
<thead>
<tr>
<th>Code</th>
<th>Module</th>
<th>Grade</th>
<th>Total Credits Available</th>
<th>Equivalent Trinity Credits Available</th>
<th>Credits Used for Weighted Average</th>
<th>TCD %</th>
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</thead>
<tbody>
<tr>
<td>MA3269</td>
<td>Mathematical Finance 1</td>
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<td>4</td>
<td>6.7</td>
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<td>ME3122</td>
<td>Heat Transfer</td>
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<td>ME4231</td>
<td>Aerodynamics and Propulsion</td>
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<td>IE2100</td>
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<td>Feedback Control Systems</td>
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<td>Applied Heat Transfer</td>
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<tr>
<td>ST3247</td>
<td>Simulation</td>
<td>A-</td>
<td>4</td>
<td>6.7</td>
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<td>Exchange Modules: credit weighted average</td>
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<td>36</td>
<td>60</td>
<td>45</td>
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<td></td>
</tr>
</tbody>
</table>
Engineering Website – International

https://www.tcd.ie/Engineering/international/outgoing/
Information on College-Wide Exchanges

https://www.tcd.ie/study/study-abroad/
Choosing a Suitable Exchange and University

• Check our Study Abroad website
• Check your preferred Universities’ websites
• Research your modules
  • Language of Instruction
  • Fixed pre-requisites for 5th year
• Check credits
• Check restrictions for visiting students
• Speak with your academic co-ordinator
In Summary!

- Research options and specific universities
- Possible to submit applications to multiple programmes
- Speak to your academic departmental coordinator
- Achieve II.1 in JS exams
- Check credit conversion
- Check the deadlines!!
Deadlines

Exchange Info sessions: October –November 2018
Non-EU exchanges: 5pm 16th November 2018
TASSEP: 15th January 2019
Erasmus/ Cluster: 1st February 2019
Unitech: 19th December 2018 (Assessment: 18th January 2019)
Montreal Internships: August 2019 (applying for Hilary Term 2020)
Thank You.

Any Questions?