

## STUDY ABROAD: How to Choose Courses: QuickStart Guide

### For all programs:

- You must take 18 units, usually two 9 unit classes that qualify for option requirement or additional option units and are taught in the department closest to your option. 12 unit Caltech classes get 12 units for equivalent taken abroad
- You must take at least 4 classes (5 in programs that allow this for a minimum of 36 Caltech units including the 18 required option units in your primary STEM option)
- No need to get professor approval at this point for your proposed classes

### Cambridge:

Tripos system and can only take classes from tripos areas that are STEM.

Cambridge does not have a unit or credit system. Units are calculated based on lectures per week. Most classes = 9 units.

Engineering tripos has BEM and language classes, but you must have at least 2 IIA classes in your option subject and no more than 2 classes in HSS type subjects. You cannot take Engineering BEM or language classes unless you are in one of the engineering subjects. Note that the Engineering Tripos also has a data management type track for student with an IDS option.

### Copenhagen University (UCPH):

UCPH Subjects: Biology, Chemistry, Computer Science, Environmental Sciences, Geological Sciences, Mathematics, Physics (Nils Bohr Institute)

- Has block system (semester split into two blocks per semester in the sciences)
- Students take two classes in Block 1, one class in Block 2, plus Danish Language and a Danish Culture course
- Classes are usually 7.5 or 15 ECTS. Take only 7.5 ECTS block classes to get required # of classes. All classes are 9 CIT units.
- E means autumn (efterår) and F means spring (forår) in course descriptions
- Take Danish Language at UCPH

### Technical University of Denmark (DTU)

DTU Subjects: All engineering including Chemical & Environmental, Nanotechnology, Applied Math, Computer Science, Chemistry, Systems Biology, Physics, Transport, Food, Space Sciences, Wind Energy, & Management Engineering

- Classes are 5 or 10 ECTS (both worth 9 CIT units)
- DTU Block system refers to the weekly schedule of "blocks" – 4 hour sessions of lecture/recitations
- 5 ECTS classes meet for one 4 hour block
- 10 ECTS classes meet for two 4 hour blocks
- E means autumn (efterår) and F means spring (forår) in course descriptions

### University of Edinburgh

\*Admitted into College of Science and Engineering (CSE)

- Cannot take classes in the College of Medicine and Veterinary Medicine except *in the Biomedical Sciences track in the College of Medicine as long as the student has 40 units in the College of Science and Engineering, does not exceed the 80 unit maximum credits and 5 class maximum for all colleges.*

Can take classes in the College of Arts, Humanities, and Social Sciences (CAHSS) provided student has background for a class. All students can take 20 credits in CAHSS, but to take 40 credits (most classes are 20 credits in CAHSS) and max of 20 credits, students must be taking 40 credits in CSE with two of the classes in the 40 credits in their option subject. Five classes and 80 maximum credits are allowed total from all Colleges and Schools.

CSE Admitting Schools: Biological Sciences, Chemistry, Engineering (Chemical Engineering is in the School of Engineering), Geosciences, Informatics (CS), Mathematics, Physics & Astronomy

- You take 4 classes minimum AND 60 Edinburgh credits minimum (80 credits max)

- Most classes are 10 or 20 SCQF credits (all worth 9 CIT units)
- Ignore ECTS units – these are given for exchange students from European universities.
- Must choose Semester 1
- Must choose SV1 or VV1
- SS1 classes NOT allowed
- Classes are levels 8-11, and not all have level 8 or 11. Level 11 access restricted in some schools.
- Social Science type classes in Geography Dept.
- Make sure the class description in the DRPS says that the class is open to visiting student and is Semester 1.

\*Students with a formal declared option in an HSS subject might be eligible for admission in that subject. Please discuss with study abroad director. Advanced coursework in the HSS option must equal that of a junior in the subject, i.e., 8 to 10 classes in the subject already taken to be considered for admission to the proposed school in CAHSS.

### University of Melbourne

Remember, subject means classes. Course means department or degree program – NOT CLASS!

- All subjects (classes) are 12.5 points each & each 12.5 point class = 9 Caltech units
- Can take max of 50 points – no more!
- Choose Semester 2 subjects (classes) only; Semester 2 is late July-mid November.
- At least 25 Melbourne credits/ 50% of classes must be in option
- Can do 25% of classes as research class & Melbourne offers topics so easy to arrange
- Up to 50% in other subjects in science/engineering or in humanities or social sciences

### University College London

Faculty of Engineering, Faculty of Mathematical and Physical Sciences, Faculty of Life Sciences (see exceptions below)

- Admitted to one department (Admitting Dept.) MUST TAKE 50% of credit, at least 30 UCL credit in this department — note that each UCL class = 15 UCL credits
- No course catalog — have to search by Subjects (link in handout)
- Students in the sciences who do not take engineering will take four 15 classes to equal 60 UCL credits.
- **EXPRESS CLASSES IN UCL CREDITS NOT ECTS or US CREDITS!**
- In Science, hum and social sciences 15 credits is one class
- Not allowed be admitted by or take classes in the departments below even if class if fall only:
  - Biochemical Engineering
  - Chemical Engineering
  - EE
  - Language Center
  - Management Science
  - Math
  - Physics & Astronomy
  - Law
  - Art-Slade School
  - Statistical Sciences
- Students are allowed to take 1<sup>st</sup> year Econ classes only.

### University of Chicago

Students can only take 4 classes while on study away at the University of Chicago.

- This program requires you to take 2 courses (18 Caltech units) related to your primary option.
- Up to 2 classes can be taken in any subject (science, humanities, social sciences) provided a student meets prerequisites.
- One of the 4 classes could also be taken in one of the professional schools listed below if the student meets the requirements and the class is approved by U. Chicago: [The Booth School of Business](#), the

Law School, the School of Social Service Administration, or the Harris Graduate School of Public Policy Studies

**All Program Course Catalogs:**

- **CAM:** <http://www.cam.ac.uk/colleges-and-departments/department-a-z>
  - Must look at specific tripos for timetables and course information. Refer to Cambridge Handout for more direct links.
- **DTU:** <http://www.kurser.dtu.dk/>
- **EDIN:** <http://www.drps.ed.ac.uk/20-21/>
- **EPT:** <https://moodle.polytechnique.fr/course/index.php?categoryid=684>
- **UCPH:** <http://kurser.ku.dk>
- **MEL:** <https://handbook.unimelb.edu.au/faces/htdocs/user/search/SimpleSearch.jsp>
  - (Semester 2 ONLY) Click Show All. **Pick SUBJECTS – don't pick COURSES (degree programs)**
- **UCL:** <https://www.ucl.ac.uk/prospective-students/study-abroad-ucl/study-abroad-guide/subjects>
- **UCHICAGO:**  
[https://coursesearch92.ais.uchicago.edu/psc/prd92guest/EMPLOYEE/HRMS/c/UC\\_STUDENT\\_RECORDS\\_FL.UC\\_CLASS\\_SEARCH\\_FL.GBL](https://coursesearch92.ais.uchicago.edu/psc/prd92guest/EMPLOYEE/HRMS/c/UC_STUDENT_RECORDS_FL.UC_CLASS_SEARCH_FL.GBL)