

# **STUDY ABROAD**

## **How to Choose Courses A QuickStart Guide**

### **For all programs:**

- ***You must take 18 units, i.e., at least two 9 unit classes that are taught by the department abroad most equivalent to your option are required.*** This 18 units must can be equivalent to option requirements or not equivalent, but the 18 minimum classes must be taught by the department that equates to your option. A minimum of 36 units up to 45 is allowed. 12 unit Caltech classes get 12 units for equivalent taken abroad
- You must take at least 4 classes/36 Caltech units including the 18 required option units in your primary option
- No need to get professor approval at this point for your proposed classes

### **University of 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 can only be taken by Engineering Students

IDS students may qualify for the mathematics tripos Part II. And CS students should look at the data track of the engineering tripos.

### **University of Copenhagen (UCPH):**

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

- Has block system (semester split into two blocks 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 7.5 ECTS. Students cannot take 15 ECTS STEM classes.
- Student are required to take a Danish culture class
- E means autumn (efterår) and F means spring (forår) in course descriptions

### **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
- Take a Danish Culture or Danish Language course at UCPH or can take both if schedule allows
- Student must take a minimum of 30 to 35 ECTS and no more than 5 classes total.

### **University of Edinburgh**

Departments are called Schools and schools can have one or several sub-disciplines.

Students are admitted into College of Science and Engineering (CSE). However, they must take 2 classes in the Edinburgh department that is equivalent to their Caltech option.

Students cannot take classes in the College of Medicine and Veterinary Medicine.

Students can take 20 credits to 40 credits in the College of Arts, Humanities, and Social Sciences (CAHSS) provided the student has background for a class. Students with 40 Edinburgh credits in the College of Science & Engineering (CSE) can take up to 40 credits in humanities or social sciences. Students under 40 credits in CSE can take 20 credits in humanities or social sciences if they wish.

For all students a minimum of 4 classes and 60 Edinburgh credits is required and a maximum of 5 classes up to 80 credits can be taken.

Schools of: Biological Sciences, Chemistry, Engineering, Geosciences, Informatics (CS), Mathematics, Physics & Astronomy. Student in Biology will find fall classes at: [http://www.drps.ed.ac.uk/22-23/dpt/cx\\_sb\\_bilg.htm](http://www.drps.ed.ac.uk/22-23/dpt/cx_sb_bilg.htm)

- Take a minimum of 60 Edinburgh credits and 4 classes, with a maximum of 80 credits and 5 classes.
- 20 credits in College of HSS with up to 40 credits for students with 40 credits in STEM classes in CSE.
- 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 classes taught in the fall.
- SS1 classes or fall half of an SS1 class NOT allowed unless it has a separate SV1 designation.
- 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. in School of Geosciences. Also, will find Ecology and Environmental Science in this school.

\*Students with a formal declared option in an HSS subject might be eligible for admission in that subject but must have taken at least 8 classes in the specific subject Please discuss with study abroad director.

### University of Melbourne

Note well: subject means classes. Course equals option.

- 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 equivalent department
- Can do 25% of classes as research class & Melbourne offers topics so easy to arrange
- Up to 50% in other subjects in science/eng 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 — must 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, humanities, 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 only take 1<sup>st</sup> year Econ classes. UCL Econ department does not allow upper level classes to visitors. However, the Department of Slavonic and East European Studies has 5 Economics and Business classes taught in the fall.

## 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 equivalent department.
- Up to 2 classes can be taken in any subject (science, humanities, social sciences) provided a student meets prerequisites.
- One of the max 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](#). Only the Business School does not require permission to enroll in classes.

## All Program Course Catalogs:

- **CAM:** <http://www.cam.ac.uk/colleges-and-departments/department-a-z> provides an overview of STEM departments. Students can only be in one Stem Tripos. Must look at specific tripos for timetables and course information. Refer to Cambridge Handout for direct links to classes.
- **DTU:** <http://www.kurser.dtu.dk/>
- **UCPH:** <http://kurser.ku.dk>
- Danish Culture Classes: <https://danishculturecourses.ku.dk>
- Danish Language Classes – in reorganization. Link to be provided when available.
- **EDIN:** <http://www.drps.ed.ac.uk/22-23/index.php>
- **EPT:** <https://moodle.polytechnique.fr/course/index.php?categoryid=979>
- **MEL:** <https://handbook.unimelb.edu.au/faces/htdocs/user/search/SimpleSearch.jsp>
  - (Semester 2 ONLY) Click Show All. **Click on SUBJECTS – do not pick COURSES (degree programs)**
- **UCL:** <https://www.ucl.ac.uk/prospective-students/study-abroad-ucl/study-abroad-guide/subjects>
- **U.CHICAGO:**  
[https://coursesearch92.ais.uchicago.edu/psc/prd92quest/EMPLOYEE/HRMS/c/UC\\_STUDENT\\_RECORDS\\_FL.UC\\_CLASS\\_SEARCH\\_FL.GBL](https://coursesearch92.ais.uchicago.edu/psc/prd92quest/EMPLOYEE/HRMS/c/UC_STUDENT_RECORDS_FL.UC_CLASS_SEARCH_FL.GBL)