UNDERGRADUATE ENGINEERING EXCHANGE PROGRAMS

ADVANCE YOUR ENGINEERING DEGREE WHILE STUDYING ABROAD

THAYER SCHOOL OF ENGINEERING AT DARTMOUTH
EXCHANGE PROGRAM OVERVIEW

CHINESE UNIVERSITY OF HONG KONG

CHULALONGKORN UNIVERSITY, BANGKOK, THAILAND

- 6 Dartmouth students exchange with 3 students from Chula + 3 from CUHK
- Designed for 3rd year students from Dartmouth and 4th year students from Chula and CUHK.
WHY CHULA & CUHK?

Exchange with regions that are
- Culturally different
- Experiencing rapid technology development/growth
- Safe and interesting for students

Exchange with schools that
- Have a high quality program and student profile
- Have native faculty teach engineering in English
- Have good support for exchange students
- Have curriculum that complements or is broader than Thayer’s
CHULALONGKORN UNIVERSITY (CHULA)

- Oldest university in Thailand and generally considered to be the most prestigious
- Named after King Chulalongkorn (Rama V)
- Located on 500+ acre campus in center of Bangkok
- Over 19,000 undergraduates and about 10,000 graduate students
- 18 faculties, including Faculty of Engineering (est. 1913)
CHULA’S INTERNATIONAL SCHOOL OF ENGINEERING (ISE)

- English-language undergraduate engineering program
- First class admitted in 2005
- Very competitive entrance exam, with emphasis on science and math
- 200 students per class

SPECIALIZATIONS AT ISE

- Nanoengineering
- Information and Communication Engineering
- Automotive Engineering
- Aerospace Engineering
COURSES DARTMOUTH STUDENTS HAVE TAKEN AT CHULA

- Foundations of Biochemistry
- Science of Materials
- Aerodynamics
- Mechanical Solids
- Intro to Linear & Digital Circuits
- Computer-Aided Design
- Failure Mode and Effect Analysis
- Statistical Methods in Engineering
- Product Development Process
- Statistical Thermodynamics
CHINESE UNIVERSITY OF HONG KONG (CUHK)

- “A forward looking comprehensive research university with a global vision and a mission to combine tradition with modernity, and to bring together China and the West.”

- >20,000 undergrad and postgrads, 3000 from outside of Hong Kong

- College system with a focus on bilingualism and multiculturalism

- Eight faculties including Faculty of Engineering
EXCHANGE PROGRAMS AT CUHK

- First Hong Kong university to have an international exchange program (1965)
- Has close to 110 exchange partners
- Sends 300/receives 400 per year
- Engineering exchange program began in 2004

ENGINEERING DEPARTMENTS

- Biomedical Engineering
- Computer Engineering
- Electronic Engineering
- Information Engineering
- Mechanical and Automation Engineering
- Systems Engineering and Engineering Management
COURSES DARTMOUTH STUDENTS HAVE TAKEN AT CUHK

- Advanced Energy Technologies
- Control Systems
- Data Structures
- Discrete & Probabilistic Systems
- Dynamic Optimization & Applications
- Globalization and International Politics
- Introduction to Energy and Environment
- Introduction to Robotics
- Microcomputer Systems
- Microprocessors
- Principles of Communication
ENROLLMENT

Chula
• Dartmouth winter term (an X-term) and spring term (an L-term) of your junior year (2014/15)
• Corresponds to Chula’s second 2014/15 semester (early January until early May)
• Enroll in four or more engineering courses
• Optional internship opportunities may be secured in Thailand for last month of spring term and possibly for summer

CUHK
• Dartmouth fall term 2014
• Corresponds to CUHK’s first semester
• Enroll in four or more engineering courses
COURSES AND TRANSFER CREDIT

At least four courses
- Four engineering courses in English
- + Chula: Thai language course, non-credit “survival Thai” 2hrs/wk for 5 wks
- + CUHK: any Chinese language course available to International students

Transfer up to four course credits to Dartmouth
- Need a grade of at least C and the course must have been approved beforehand (term prior to enrollment)
- Four courses toward A.B. degree requirements
- Two courses used for credit towards Engineering Sciences major
- Up to two of the other courses used in satisfaction of Bachelor of Engineering degree requirements.
FINANCIAL IMPLICATIONS

• No tuition paid to host institution

• Estimated Expenses:
  
  • Chula - $3200 for 5 months, including room, board, books, local transportation; *plus* roundtrip transportation to Bangkok: approx. $1300-$1600*

  • CUHK - $4000 for a semester, including room, board, books, local transportation; *plus* round trip transportation to Hong Kong: approx. $1200-$1500*

• Any scholarship aid granted by Dartmouth will continue while on exchange

* Source: Kayak.com, NYC to Hong Kong, & NYC to Bangkok, Oct. 2013
VISA, HEALTH INSURANCE, ETC.

• Need passport valid for at least three months past the end of exchange

• Chula and CUHK will provide necessary documentation for visa

• Student responsible for obtaining necessary visa.

• Must be covered by health insurance (i.e. Dartmouth Student Health Insurance Plan)
CONTACTS & APPLICATION PROCESS

THAYER CONTACTS

Thailand:
Francis.E.Kennedy@Dartmouth.edu
Hong Kong:
Benoit.Cushman.Roisin@Dartmouth.edu
Thailand and Hong Kong:
Holly.Wilkinson@Dartmouth.edu

CURRENT STUDENTS

Thailand:
Brendan Nagle; Matthew Bossart
Hong Kong:
Alex Hanson; Phillip Coletti; Ian Schneider

HOW TO APPLY

• Dartmouth students apply by February 1 of sophomore year for an exchange term in junior year

• Applications submitted through Dartmouth’s Off-Campus Programs Office

• Deadline – February 1, 2014 for 2014-2015 academic year (2016’s)

• Participating students selected by end of winter term
PHOTOS FROM AROUND CUHK
QUESTIONS?