UNSW AUSTRALIA

New Colombo Plan Mobility to Taiwan

2019-2020

S.L.I. Chan

Never Stand Still | Science | Materials Science and Engineering

The School of Materials Science and Engineering has been successful in securing several ‘New Colombo Plan’ grants from the Australian Government to send some Materials Science and Engineering students to Taiwan. These students will have the opportunity to undertake vocational training during the summer period of mid-December 2019 through to mid-February 2020.

Students from the Faculty of Science are also welcome to apply through the Faculty of Science.

1. National Chaotung University NCTU (For both Science and Materials Science students) ;
2. National Taiwan University NTU (For Materials Science students only) ;
3. National Tsinghua University NTHU (For Materials Science students only) ; and
4. Tunghai University THU (For both Science and Materials Science students)

Only THU and NCTU have experience in helping Chinese students to obtain visas and hence if you are a Chinese student going to Taiwan self-funded, you can only apply to THU and/or NCTU.

- The program is an excellent opportunity for students to gain critical research skills, develop international contacts in science and engineering disciplines, and to experience the global nature of scientific research.

- The program may count towards a maximum of 50% of the industrial training component of the BE degree in Materials Science and Engineering. Upon return, participating students will be required to present a poster about their research experience at the annual School industrial training poster night.

- Subject to the approval by the Faculty of Science, Science students may also apply for this placement opportunity as SCIF2199 credit.

Eligibility for students from Materials Science and Engineering

- The program is open to students enrolled in a BE in Materials Science and Engineering (or any of the double degree programs incorporating this), or students from the BSc (Advanced) program undertaking a Materials Science major. Students must be continuing their studies in Term 1 of 2020.

- To apply, you would normally have a WAM of over 65, unless in exceptional cases.

- The NCP is for Australian citizens and permanent residents only, the program cost is subsidised by a $2000 scholarship to assist with travel and living expenses during the exchange period. The partner organisation will also receive $1000/student for Chinese learning classes.

- Australian citizens and permanent residents are also eligible to cover additional costs using the OS-HELP loan scheme. OS-HELP Information: https://student.unsw.edu.au/os-help

Eligibility for students from Materials Science and Engineering

- International students and postgraduate students will not be qualified for the NCP scholarship but may be considered on a self-funded basis.

- For self-funded students, you may want to try International Centre Global Mobility (ICGM) Scholarship, but it is highly competitive: https://scholarships.online.unsw.edu.au/scholarship/sc_al_search_detail.display_scholarship_details?p_scholarship_specific_id=959

- ICGM SCHOLARSHIP CLOSES 6th OCT – Students considering applying to this scholarship should contact SLI Chan in the first instance.

How to Apply

- Interested students from Materials Science and Engineering should email SLI Chan sli.chan@unsw.edu.au by COB 11th October a detailed CV (file name please use: CV(Last name First name)), the most recent academic statement (file name: Transcript (Last name First name)), and a 250-word cover letter (file name: Cover Letter (Last Name First name)), outlining their motivation for taking part in the program.
- Indicate in the cover letter if you would like to be considered for a placement at NCTU, NTU, THU or THU only, or both (including an order of preference). If you have a preferred supervisor (see later), You may also specify your supervisor preference.
- Also indicate in the application letter if you are an international and/or postgraduate student wishing to go as a self-funded student.
- Candidates will be selected based on their academic history, ability to undertake self-guided study, and contributions to the school environment.
- It is expected that students will be selected and informed within a week.

Further Links

National Chaotung University

Department of Materials Science and Engineering, National Chaotung University http://www.mse.nctu.edu.tw/en/
Other departments are also possible:
https://docs.google.com/spreadsheets/d/1jspAZIwoubQhvIQDafOOy6hAE9LQugdRlZaBLAtJleE/edit#gid=625839113

National Taiwan University

Department of Materials Science and Engineering, http://www.mse.ntu.edu.tw/index.php?lang=en

National Tsing Hua University

Department of Materials Science and Engineering, www.mse.nthu.edu.tw/

Prof. Pei Yun Keng http://www.mse.nthu.edu.tw/teachers-detail.php?sid=15722

Prof. Han-Yi Chen http://www.mse.nthu.edu.tw/teachers-detail.php?sid=728

Prof. Tsong-Pyng Perng http://www.mse.nthu.edu.tw/teachers-detail.php?sid=697

Further Links

Tunghai University

Colleges of Engineering and Science

http://eng.thu.edu.tw/index.php?lang=en

	Professor's name	College/Faculty	Department/Institute	Research Area	Lab Website	E-mail	Contact no.
1	Forest Shih-Sen Chien	College of Science	Applied Physics	Nanomaterial properties and applications Impedance spectroscopic characterization of optoelectric devices	http://physexp.thu.edu.tw/~BS510/www.EN/index-EN.html	fsschien@thu.edu.tw	+886-4-23590121 ext.32142
2	Hsi-Lien Hsiao	College of Science	Applied Physics	Surface Physics、Experimental Semiconductor Physics	http://physexp.thu.edu.tw/~lamps/	hlhsiao@thu.edu.tw	+886-4-23590121 ext.32150
3	Ding-Yah Yang	College of Science	Chemistry	Organic Synthesis and Bioorganic Chemistry	http://web.thu.edu.tw/yang/www/	yang@thu.edu.tw	+886-4-23590121 ext.32228
4	Feng-Di Lung	College of Science	Chemistry	Biochemistry and Bioanalyical Chemistry	https://sites.google.com/site/fdlungbiochemlab/	fdlung@thu.edu.tw	+886-4-23590121 ext.32244
5	Yu-Shan Wu	College of Science	Chemistry	Medicinal Chemistry	http://chem.thu.edu.tw/	yushanwu@thu.edu.tw	+886-4-23590121 ext.32248
6	Yuan-Jay Chang	College of Science	Chemistry	Organic & Optoelectronic Materials	https://d93223006.wixsite.com/jaysama	jaychang@thu.edu.tw	+886-4-23590121 ext.32224
7	Di-Yan Wang	College of Science	Chemistry	Energy storage, battery, catalyst, nanocrystal structure	https://diyan-thu.org/	diyanwang@thu.edu.tw	+886-4-43590121 ext.32222
8	Wei-Ting Chao	College of Science	Life of Science	Cell Biology, Cancer Biology	http://biology.thu.edu.tw/main.php	wtchao@thu.edu.tw	+886-4-23590121 ext.32447
9	Gu, Yesong	College of Engineering	Chemical and Materials Engineering	Biochemical Engineering	http://chemeng.thu.edu.tw/index.php	yegu@thu.edu.tw	+886-4-23590121 ext.33215
10	Jih-Hsin Liu	College of Engineering	Electrical Engineering	RF Device and Circuit、RF Measurement、Solid State Electronics and Nano Materials、Simulation for EM、TCAD and SPICE	http://ee.thu.edu.tw/	jhliu64@thu.edu.tw	+886-4-23590121 ext.33909

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Website: science.unsw.edu.au

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youtube.com/unswscience

Types of Industrial Training (IT)

TRADITIONAL (PAID)

Professional engineering workplace (in industry)

- technical engineering tasks
- engineering project management
- engineering consulting

Minimum 30 days

TRADITIONAL (UNPAID)

Not recommended but is a good opportunity for students who can't find paid work

Must meet learning objectives of Industrial Training

Additional paperwork required for approval

NON - TRADITIONAL

Authorised Student Projects

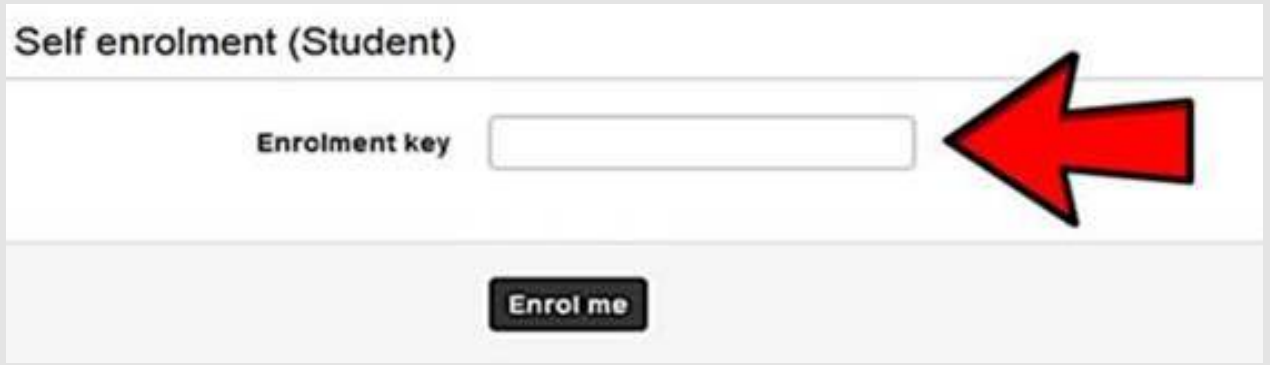
Humanitarian Engineering

Research & Development

Maximum 30 days ←

Step 1: Pre-requisite Modules

Faculty of Engineering Industrial Training Moodle site
https://moodle.telt.unsw.edu.au/course/view.php?id=14542



Enrolment Key = Eng5tudent!

Step 1: Pre-requisite Modules

1. Writing a successful resume and cover letter
2. Interview Skills
3. Career Planning and Networking Skills
4. Workplace Behaviours
5. Workplace Health and Safety

Step 2: Find IT Placements

You secured a placement!

Now what?

Step 3: Pre-Approval Application

What Must have your IT Placement approved BEFORE you start

Why Ensure your IT Placement is relevant, appropriate and supervised

When As soon as you receive confirmation of a job/internship offer

How Pre-Approval link accessed via Moodle AFTER you have completed the pre-requisite modules

Pre-Approval Information and Supporting Documentation

NON-TRADITIONAL

Authorised Student Projects

Humanitarian Engineering

Research & Development

Maximum 30 days

Information

- Placement Type
- Company/University details
- Working arrangement (FT, PT, Casual)
- Supervisor details (incl. engineering qualifications)
- Start date and anticipated end date
- Anticipated days

Supporting Documentation

- Offer Letter
- Position Description

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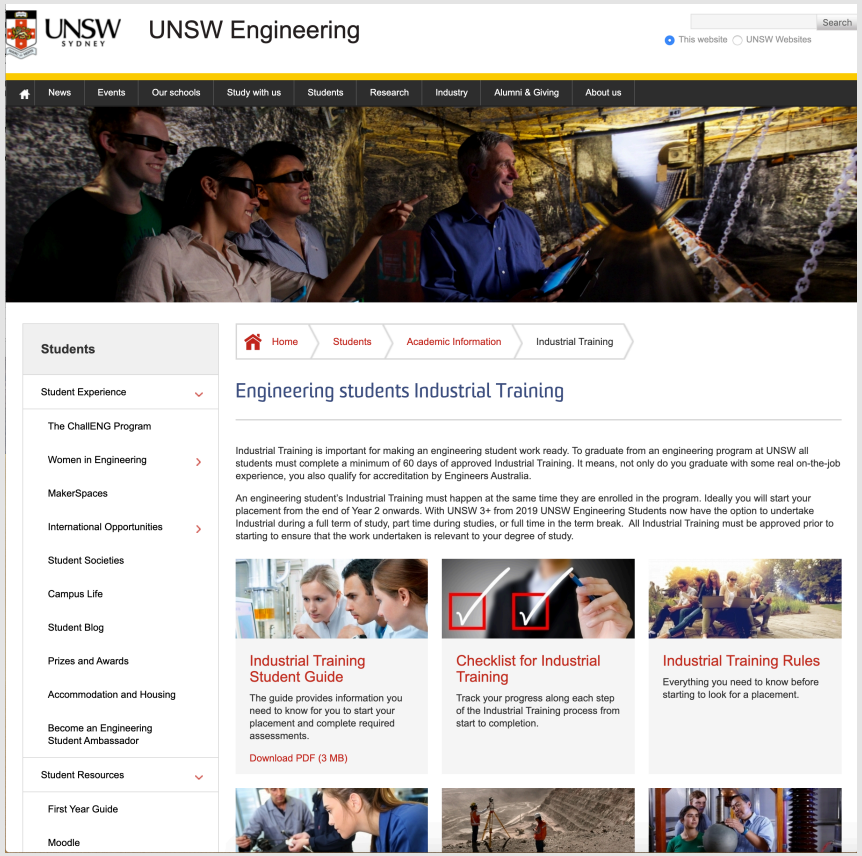
Learning Outcomes Form

Risk Management Form

(Available on Moodle)

Industrial Training Office

Webpage
https://www.engineering.unsw.edu.au/study-with-us/engineering-students-industrial-training

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