ENGLISH TRANINING IN ENGINEERING (ETIE)







INTRODUCTION

- Established in 2006
- To provide outstanding international engineering students an opportunity to enhance their English skills and to study advanced engineering courses at Purdue University Calumet (PUC).



INTRODUCTION

- Current partnerships with top Chinese universities:
 - ✓ Beijing University of Technology (BIT)
 - ✓ Central South University (CSU)
 - ✓ Nanjing University of Aerospace and Aeronautics (NUAA)
 - ✓ Sichuan University (SCU)
 - ✓ University of Electronic Science and Technology of China (UESTC)
 - ✓ North China Electric Power University (NCEPU)
 - ✓ Northwestern Polytechnical University (NWPU)
 - ✓ Beijing Jiaotong University (BJTU)
 - ✓ Inner Mongolia University of Technology (IMUT)
 - ✓ University of Science and Technology Beijing (USTB)
 - ✓ Taiyuan University of Technology (TUT)
 - ✓ Guangdong University of Technology (GDUT)
 - ✓ Anhui University of Technology (AHUT)



ETIE PROGRAM TYPE A (3+1)

- Students: Current Junior
- Time: Fall and Spring semesters (August to May)
- Minimum course requirements per semester
 - ✓ 1 English course (3 credits)
 - ✓ 1 Senior design (3 credits)
 - ✓ 2 Engineering courses (6 credits)
- Undergraduate degree from home Universities
- ETIE Certificate from PUC
- GRE is waived for admission to Master of Science in Engineering (MSE) Program at PUC

ETIE PROGRAM TYPE B (4+0.5+1)

- Students: Current seniors or Graduate Students
- Time: One or two semesters
- Minimum course requirements per semester:
 - ✓ 1 English course (3 credits)
 - ✓ 3 Engineering courses (9 credits)
- ETIE Certificate from PUC
- GRE is waived for admission to MSE Program at PUC
- Up to 4 graduate level engineering courses can be count for MSE degree



ADMISSION REQUIREMNETS

- Outstanding students with the proof of English proficiency (CET 4 required)
- Majors
 - ✓ Computer and Software Engineering
 - Civil Engineering
 - Electrical Engineering
 - Environmental Engineering
 - Mechanical Engineering
 - ✓ Mechtronic Engineering
 - ✓ Material Engineering
 - ✓ Thermal Energy Engineering



MSE GRADUATE PROGRAM

- English requirements:
 - ✓ TOEFL: 77 internet-based test score with writing 18, speaking 18, Listening 14, and reading 19
 - ✓ IELTS: 6.5
- GPA: 3.0/4.0 (B average)
- Graduation requirements:
 - ✓ 30 Credits (10 courses) with GPA of 3.0/4.0 or better
 - ✓ Optional independent research studies or thesis research up to 9 credit hours



ETIE DATA

- 218 students received ETIE Certificates (2006-2011)
- 75% (164 students)) continued at PUC for MSE degrees
 - ✓ 77% of 164 students worked as RA, TA, or student workers
 - 138 students received MSE degree from PUC
 - ✓ 24 students are studding for PhD
 - ✓ 29 students are working in the U.S. companies
 - ✓ 33 students are working in China
 - Research awards and papers
 - ✓ 20 students received research awards
 - ✓ 46 students attended international conferences
 - ✓ 26 students have paper publications



ETIE OUTCOMES

- Examples of other universities where ETIE students are studying for PhD or Master degrees
- ✓ Arizona State University
- ✓ Columbia University
- ✓ Duke University
- ✓ Harvard University
- ✓ Illinois Institute of Technology
- ✓ Missouri University of Science and Technology
- ✓ New York University
- ✓ Purdue University West Lafayette
- ✓ The State University of New York at Buffalo
- ✓ University of South California

- ✓ North Carolina State University
- ✓ Northeast University
- ✓ University of North Carolina
- ✓ University of California at Davis
- ✓ University of Iowa
- ✓ University of Utah
- ✓ The University of Tokyo
- ✓ Nanyang Technological University
- ✓ GISMA Business School, Germany
- ✓ RWTH Aachen, Germany
- ✓ University College London



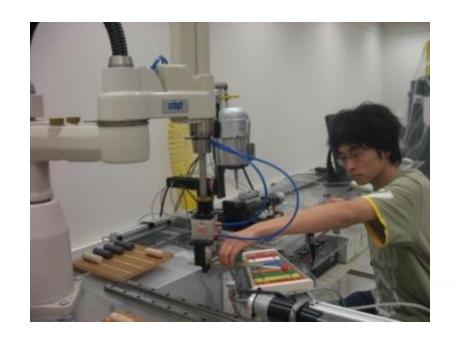
WHY ETIE?

- Significant improvement of English
- Exceptional hands-on experience
- Great research experiences
- Excellent engineering faculty
- Prestige Purdue engineering degrees
- Opportunities for RA, TA, student workers, and internships
- Opportunities for international competitions such as Moon Buggy, Mini Baja, etc.
- Low cost
- Good location

http://webs.purduecal.edu/etie/



✓ "I learned how to do research and how to write a journal paper. I made lots of friends with American people." – Xu Li, NUAA





- ✓ "We can take TOEFL and GRE after we enter the US". Xia Huang, CSU
- ✓ "You will get more credits compared with the students directly apply from China" Zian Zhang, BIT





- ✓ "We have more research opportunities here". Xuan Zhang, SCU
- ✓ "This experience is of great value for my PhD study." Xiaoyan Xu, CSU





✓ "ETIE program gave me a new home, gave me a big new family." – Yubin Zhou, BIT





✓ "很高兴自己能够参加ETIE项目. 在PUC做毕业设计的时期, ETIE这个项目给我们创造了和美国教授沟通交流的机会, 学习了很多关于在美国如何做研究的经验"—Tian Jiang, BIT





✓ "ETIE项目为我们提供一个很好平台,无论为以后留美学习还是工作都打下了基础。通过这个项目,我们不仅学到了实用的技能更加深对美国文化的认识,使人更快的成熟成长起来。" - Shan Ren



MORE POWERFUL THAN A LOCOMOTIVE

- ✓ "大四一年在普度学习的时光很快乐,也很辛苦。正是 这段经历让我后来渐渐喜欢上了所做的事,所以决定投 身于这方面的研究。在研究生的学习中能乐在其中。
 - " Dong Fu, BIT





✓ "这里有较好的师资和研究条件,正因为如此,才可以让我在3年的时间内有5篇论文。对于那些准备读PHD的同学,ETIE也是个很好的跳板。在这,有一个国内无法比拟的好处,可以直接去找教授面谈,这样会更容易给教授留下印象,在申请的过程中往往会起到决定性的作用"。- Wei Wu RIT





✓ "ETIE项目对自费出国留学生来说一个物美价廉的项目。说她物美,是因为她能提供学生优质的科研条件,为中国学生提供一个从单纯的理论学习到注重实际应用的转变平台,说她价廉,因为相对于其他的留学项目,ETIE项目是最省钱中的一个。ETIE项目有一套完善的管理系统,从接机那一刻开始,学生便能感觉到ETIE这个大家庭的温暖"。Weizhuo Zhao, CSU





✓ "偶然的机会加入ETIE这个项目,让自己获得了去面对更多机会和挑战的机会,感觉自己像一棵小树,从下向上慢慢展开枝叶,逐渐繁茂。但是永远不会忘记自己最初的根基,确是从ETIE这个平台上生长出来的。" – Bin Wu, CSU



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✓ "我学会了独立自主,懂得了如何更有效率的学习和工作。 EITE每年举办的各种活动丰富了我们的生活,尤其是春晚, 为我们在外的学子创造了在家的幸福与温暖。同时,ETIE老 生和社区华人对新生的帮助使得新生能够更快的适应在美的 生活。" - Niana Zhou, CSU





✓ "美国的教育制度很好,学校就像一个服务机构,能够尽量解决我们的困难。虽然我们这个校区不大,但是感觉学的东西其实也不少。ETIE提供我们一个很好的平台,让我们能够展翅飞翔"。 - Hao Shen, BIT



MORE POWERFUL THAN A LOCOMOTIVE

✓ "这里的毕设与国内的不同,要做两个学期,也就是一个学年,SeniorDesign是对自己大学所学知识的综合与应用。我的导师在整个的毕设过程中给了我很多的帮助,记得那时候每个星期都要与导师讨论毕设问题。另外,这里的SeniorDesign是团队协作的"。- Bai Lin, BIT





✓ "首先我觉得是教授们都非常友好,也非常耐心,我能从每位教授那里得到很多的知识,他们在学术上一丝不苟的精神也让我非常敬佩。第二点我想就是PurdueCal这个大家庭,学长学姐们早就准备好了为我们提供帮助,中国学生会还会经常组织各种活动,让大家在美国学好玩好。最后我觉得就是学校提供的各种服务,比如CareerServiceCenter和WritingCenter"。- Xuesi Wang, BIT





- ✓ "有着届届优良传统的ETIE项目,无疑是最省心的出国项目。 在这里不会孤单,也不会无助。 这样的凝聚与团结也是未 来过河的一叶扁舟,登高的一把扶梯!-Ye Shi, BIT
- ✓ ETIE 梦想起飞的地方! Zhiyuan Li, UESTC





✓ 我觉得非常荣幸能参与北京理工大大学与美国普渡大学盖莱默校区之间的ETIE项目。该项目让我学到了很多东西,并且令我的能力有了显著提升。参加此项目是我人生中难忘的一段记忆,并且通过这个项目,我了解了中美文化以及教学方法上的不同。- Tian Li, BIT







✓ 教授对学生和蔼可亲的态度让我感受到这边教学风格与国内的不同,也让我在专业知识上有了更深层次的理解,更重要的是通过学习增强了我的自信。同时,跟其他美国高校比起来相对低廉的学费,也给家里减轻了一些经济上的负担。ETIE项目真正为想出国的学生们提供了一个好机会。- Hui Bai



POWERING RESEARCH

ETIE ACITIVITIES

Moon Festival Celebration



MORE POWERS

ETIE ACTIVITIES

✓ Chinese New Year Celebration



MORE POWERFUL THAN A LOCOMOTIVE









PUC ENGINEERING

POWERING RESEADCE