Opportunities at Purdue Northwest

Dr. Chenn Q. Zhou

- Director of ETIE Program
- Professor and Director of CIVS
  (Center for Innovation though Visualization
  and Simulation)
- Director of Steel Manufacturing Simulation
  and Visualization Consortium

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PURDUE UNIVERSITY® **NORTHWEST**

Purdue University Northwest

Students Value

- Purdue degree
- Ranked top 35 among the Best Engineering Programs
- Close personal attention
- Industrial and corporate relationships
- Experiential Learning
- Distinguished faculty
- Excellent laboratory facilities
- Great Location & Inexpensive

Excellent Research Centers

- Center for Innovation through Visualization and Simulations (CIVS)
- Center for Energy Efficiency and Reliability
- Water Institute

English Training in Engineering (ETIE)

Undergraduate Program:

- "3+1" Program
- Sophomore or Junior one or two semesters Program

(All undergraduate program students are encouraged to apply for our graduate programs to pursue their Masters degrees.)

Graduate Program:

- "4+0.5 (or +1) +Master" Program
- "1+0.5 (or +1)+ Master" Program
- "0.5+0.5 (or+1) + Master" Program
- "1+1" Master Program
- One or two semesters Visiting Program

3+1 – Pathway to Master Program

- For undergraduate students who apply during their junior year
- Study one year at PNW begin at fall or spring semester during students' senior year
- Minimum course requirements per semester:
  - 1 English course
  - 1 Senior design
  - 2 Engineering courses
- Undergraduate degree from home universities
- Admission Criteria:
  - Minimum GPA of 2.5
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70, or IELTS 6
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW

4+0.5 (or +1) Pathway to Master Program

- For Students who just received their bachelor's degrees
- Study at PNW for one or two semesters
- Minimum course requirements per semester:
  - 1 English course
  - 3 Engineering courses
- Admission Criteria:
  - Minimum GPA of 2.5;
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70, or IELTS 6
- ETIE certificate from PNW
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW
- Up to 12 credit hours (with a minimum grade of B) that taken before admission to master's degree can be transferred to PNW

"1+0.5 (or +1)+1"or "0.5+0.5 (or +1)+1" Graduate Program

- For graduated students who are in their first year and have no TOEFL score
- Study at PNW for one or two semesters
- Minimum course requirements per semester:
  - 1 English course
  - 3 Engineering courses
- Admission Criteria:
  - Minimum GPA of 2.5;
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70 or IELTS 6
- ETIE certificate from PNW
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW
- Up to 12 credit hours (with a minimum grade of B) can be transferred from PNW or home university to PNW

"1+1" Graduate Program

- For students who have enrolled in a master degree program for one year

- Study at PNW for two semesters

- Admission Criteria:

  - GPA: 3.0/4.0 (B average)

  - TOEFL: 80 internet-based test score with writing 18, speaking 18, listening 14, and reading 19; or IELTS: 6.5

- Graduation requirements:

  - 30 Credits (10 courses) with GPA of 3.0/4.0 or better

  - Up to 12 credit hours (with a minimum grade of B) can be transferred from home university to PNW

One or Two Semester Visiting Program

- For both undergraduate or graduate Students
- Study at PNW for one or two semesters
- Minimum course requirements per semester:
  - 1 English course
  - 3 Engineering courses
- Admission Criteria:
  - minimum GPA of 2.5
  - CET-4 test higher than 500, or pass CET 6, or TOEFL PBT 500, iBT 70 or IELTS 6
- GRE is waived (TOEFL or IELTS is required) for admission to Master of Science Programs in the field of Engineering at PNW
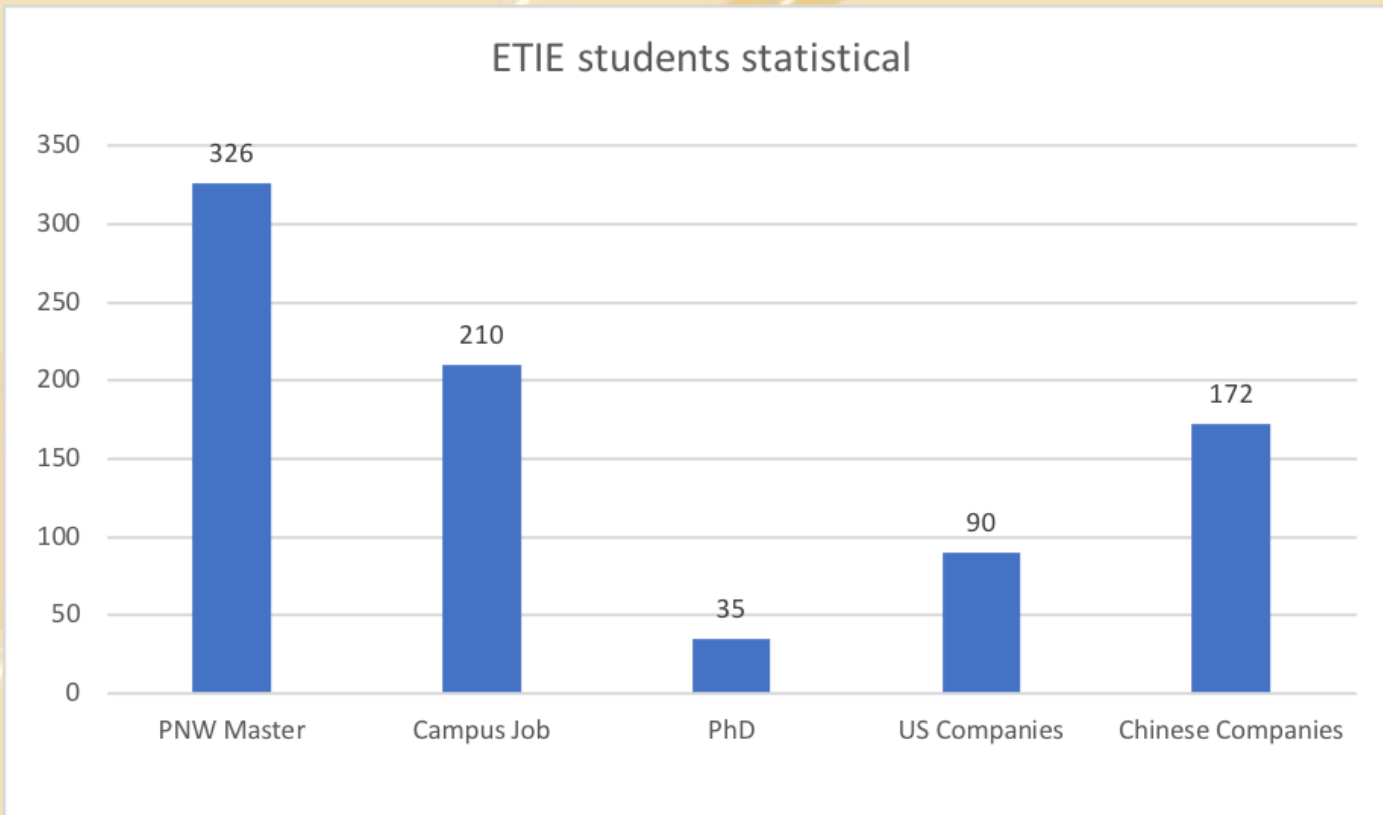
Engineering Graduate Program

- Admission Criteria:
  - GPA: 3.0/4.0 (B average)
  - TOEFL: 80 internet-based test score with writing 18, speaking 18, listening 14, and reading 19; or IELTS: 6.5
- GRE can be waived
- 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

ETIE Statistics:
508 enrolled from 2006-2018;
470 completed the program by May 2018

ETIE students statistical

Category	Value
PNW Master	326
Campus Job	210
PhD	35
US Companies	90
Chinese Companies	172

ETIE Data

- 470 students received ETIE Certificates in AY 2006-2018
- 70% students continued at PNW for MSE degrees
  - 75% of 330 students worked as RA, TA, or student workers
- More than 40 students are studying for PhD
- More than 95 students are working in US companies
- More than 215 students are working in China
- Research awards and papers
- Many students received research grants and awards
- Many attended international conferences and 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
- Michigan University
- North Carolina State University
- Northeast University
- Purdue University West Lafayette
- Texas A&M University
- The State University of NY at Buffalo
- University of South California
- University of North Carolina

- University of California at Davis
- University of Iowa
- University of Utah
- University of Pennsylvania
- Waseda University
- The University of Tokyo
- Nanyang Technological University
- GISMA Business School, Germany
- RWTH Aachen, Germany
- University College London
- Carnegie Mellon University
- University of Florida
- Northwestern University

ETIE Outcomes

Examples of Outstanding Alumni at University:

- Ziang Zhang(2006):PHD at North Carolina State University (2009-2013)
- Zhengpeng Zhao(2006): PHD at Purdue University (2010-2014)
- Xiaoyan Xu(2007): PHD at Illinois Institute of Technology (2008-2012)
- Dong Fu(2007): PHD at Purdue University (2009-2013)
- Dezhi Zheng(2008): PHD at Texas A&M University (2011-Present)
- Chencheng Wu(2008): PHD at Purdue University (2009-2013)
- Boyang Li(2008): MS at University of South California (2009-2011)
- Jingjing Yang(2009): PHD at George Washington University(2012-Present)
- Xuesi Wang(2009): MS at Columbia University (2010-2012)
- Zhong Ren(2009): MS at Duke University (2010-2012)
- Yun Wang(2010): PHD at Carnegie Mellon University (2012-Present)
- Yiran Yang(2012): PHD at University of Illinois at Chicago (2014)
- Yuntian Ge(2012): PHD at University of Illinois at Chicago (2014)
- Tiantian Zeng(2013): PHD at Kentucky University (2013-Present)
- Xiaowen Zhan(2013):PHD at Kentucky University (2013-Present)
- Yuxuan Chen(2014) : PHD at University of Florida (2015-present)

ETIE Outcomes

Examples of companies where ETIE students are employed at the United States:

- Microsoft, US
- Accenture, Minneapolis, Minnesota
- Bank of America, New York
- Cisco Systems, San Francisco
- Goldman Sachs
- Interative Network Technologies, Chicago
- Richton Pactera, Seattle
- Illinois Tool Works, Illinois
- Corning, NY
- Improvement Interactive, AZ
- Interactive Network Technology, Chicago
- Cisco Francisco, US

- LSI Corporation, San Francisco
- Livex Lighting, INC, NJ
- Let's Order Now, New York
- Niama Reisser, Ohio
- Nanaimo Studio. Chicago Park, Illinois
- Stemco LP, Longview, Texas
- Foxconn. IN
- 3M
- Lux Research, Boston
- Agiltron, Boston
- AirWatch by VMWare

ETIE Outcomes

Examples of Outstanding Alumni at US Company:

- Ziang Zhang(2006): Assistant Professor at Binhampton University
- Bin Wu (2006): Research Staff at Purdue University Calumet
- Hanzheng Wang(2006): Imaging Engineer at Corning, Inc., NY
- Dong Fu (2007): Protective Engineer at 3M
- Congrui Liu (2008): Assistant Engineer at Xi'an Thermal Power Research Institute
- Hao Shen (2008): Technology Associate at Bank of America
- Yi Ding (2008): Software Engineer at Perfecular Inc
- Man Qiu (2009): Software Development Engineer at Microsoft
- Zhengwei Pu (2010): Software Engineer at Drfirst, Inc
- Yifan Cai (2010): Load and Performance Software Engineer at Apple
- Tao Xu (2010): Electronics engineer at Cummins Inc.
- Shiye Hu (2011): Graduate Mechanical Engineer at Buro Happold
- Tian Li (2011): Firmware Engineer at Marvell Semiconductor
- Litao Shen(2015): Windows Phone Developer at AirWatch by VMWare

ETIE Outcomes

Examples of companies where ETIE students are employed in China:

- Agricultural Bank of China, Beijing
- China Academy of Transportation Sciences, Beijing
- Fosun Capital investment, Shanghai
- Hangzhou Danfoss
- Intel, China
- NUAA, Nanjing
- Original Force, Beijing
- Intertek, Shanghai
- Danfoss, Hangzhou
- Xi'an Thermal Power Research Institute
- State Grid Corporation of China

- P&G, Beijing
- Siemens, Beijing
- Shanghai Schneider Electric
- Shanghai Carrier
- Toshiba Research, China
- Ministry of Industry and Information
- Technology Computer and
- Microelectronics Research Center
- Infor, China
- Volkswagen, Shanghai
- China Mobile, Tianjin
- Tesla China, Shanghai

ETIE Outcomes

Examples of Outstanding Alumni at Chinese Company:

- Xiaofeng Miao(2006): Agricultural Bank of China, Beijing
- Nianwen Chen(2007): Professor at NUAA, Nanjing
- Weizhuo Zhao(2007): Engineer at Schneider Electric, Shanghai
- Qing Hu(2007): Engineer at Siemens, Beijing
- Jin Li(2008): Engineer at Foscun Capital Investment, Shanghai
- Gongrui Liu(2008): Associate Engineer at Xi'an Thermal Power Research Institute
- Zhou Tong(2008): Engineer at P&G, Beijing
- Xicheng Chang(2008): Software Engineer at Huawei Technologies
- Xujian Fang(2008): System Analysist at Volkswagon, Shanghai
- Jingyu Zhang(2009): Engineer at China Mobile, Tianjin
- Songyang Liu(2009): Mechanical Engineer at Bosch, China
- Zhiyuan Li(2009): Quality and Reliability Engineer at Intel, China
- Tianwei Wang(2012): Electro Mechanical Enigeer at Tesla Motor China
- Chuyu Liu(2015): Electric Engineer at SGCC, China

Why ETIE ?

- Significant improvement of English skills

- Exceptional hands-on experience

- Great research resources

- Internationally well-known professors and research centers

- Priority admission from PNW MSE graduate program

- Prestige Purdue engineering degrees

- Convenient location nearby Chicago

- Relatively low tuition comparing to other universities

- Plenty of job choices such as RA, TA

- Abundant opportunities of international competitions such as Moon Buggy, Mini Baja, FSAE and research papers

Campus Life

Living on Campus - University Village

- Four bedroom apartments
- Private bedroom
- Full kitchens with Microwave
- Supervision by Resident Assistants
- 5 minutes walk to classes
- Recreation, TV room, music room
- Laundry room

Purdue Diploma

BE IT KNOWN THAT THE TRUSTEES OF

Purdue University

UPON NOMINATION OF THE FACULTY
HAVE GRANTED TO
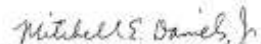
MINNIE S. MOUSE

THE DEGREE OF

MASTER OF SCIENCE IN ENGINEERING

IN RECOGNITION OF THE FULFILLMENT OF THE
REQUIREMENTS OF THAT DEGREE
AWARDED FOR STUDY AT HAMMOND IN THE STATE OF INDIANA
AUGUST 2, 2013.

CHAIRMAN OF THE TRUSTEES

PRESIDENT OF THE UNIVERSITY

ETIE Student Feedbacks

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 Student Feedbacks

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, BIT

ETIE Student Feedbacks

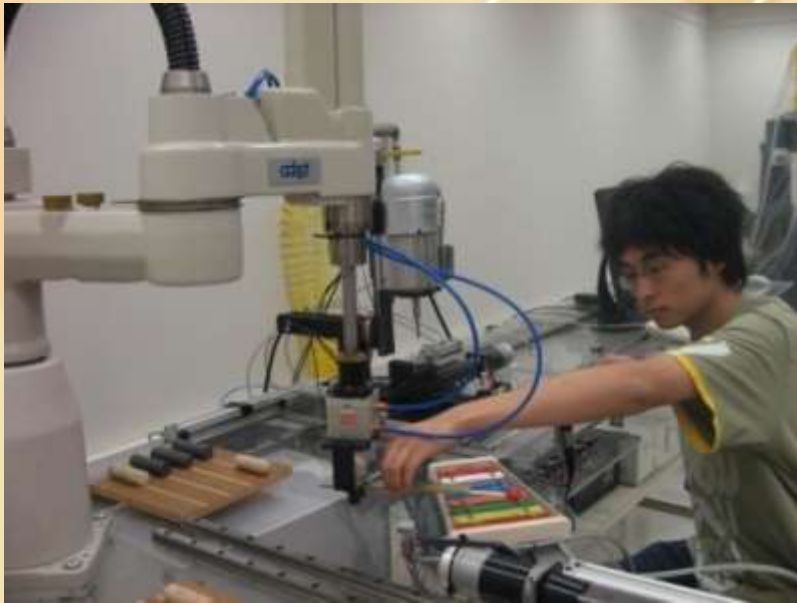"ETIE项目为我们提供一个很好平台，无论为以后留美学习还是工作都打下了基础。通过这个项目，我们不仅学到了实用的技能更加深对美国文化的认识，使人更快的成熟成长起来。"

- Shan Ren

ETIE Student Feedbacks

"I learned how to do research and how to write a journal paper. I made lots of friends with American people."

– Xu Li, NUAA

ETIE Student Feedbacks

"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

"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

ETIE Student Feedbacks

通过ETIE项目有幸出国学习和生活，我从没后悔过这个选择。大四一年在普渡学习的时光很快乐，也很辛苦。做毕业设计开始时很多东西都不会，只能天天泡在实验室。正是这段经历让我喜欢上了我所做的事。所以决定投身于这方面的研究。同时自己在专业知识方面也有所领悟。通过ETIE还认识了很多朋友，能和你们一起讨论学习我很幸运。

-Dong Fu，BIT

ETIE Student Feedbacks

"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

ETIE Student Feedbacks

"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

ETIE Student Feedbacks

"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

ETIE Student Feedbacks

"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

ETIE Student Feedbacks

"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

ETIE Student Feedbacks

"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PNW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

ETIE Student Feedbacks

"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