



OSU Summer Institute (Only for SWJTU Engineering)

美国俄克拉何马州立大学卓越工程师暑假学术殿堂项目

7/10/2017-7/29/2017

Program Content

This Three-week program consists of three major components: a General Engineering Course, American Cultural Studies & English Language studies and Leadership development. Students will receive two credit hours upon the completion of the Engineering course.

为时三周丰富多彩的暑假游学项目主要由工程课程，美国文化学习英语集训和领导力培养三部分组成。顺利完成课程的同学可以获工程课的两个学分。

Component 1: Engineering General Course: (2 credit hours) Engineering Design with CAD (Computer-aided design, Solidworks):

第一部分：工程课程：运用Solidworks 计算机辅助工程设计

Introduction to engineering design using modern design methodologies and computer-aided tools. Design, construction and testing through participation in a multidisciplinary team-based design project contest. 介绍运用现代设计理念和计算机辅助进行的工程设计，并进行跨学科设计、创作和校验成果，从中进行团队协作及竞争。

This course will introduce you to the basics of engineering design and problem solving. In this class we will: 课程介绍基础工程设计和问题解决：

- Begin to develop your ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability. 培养学生系统设计，组件装配和流程控制的能力，从而满足现实中对经济，环境，社会和政治，伦理，安全和健康，可制造性和持久性的需求。 Introduce engineering design and the solution of open-ended engineering problems 介绍工程设计理念和开放性工程解决方案。
- Introduce a modern computer aided design tool (SolidWorks.) and teach you the skills and techniques to use it effectively. 介绍现代化计算机辅助设计工具 (SolidWorks) 并且通过讲解技巧和技术，让学生更有效地运用工具。
- Help develop written and oral communication skills appropriate to Engineering writing. 帮助提高学生书面和口头沟通交流技巧的同时，加强工程方面写作能力。



- Develop skills necessary for working effectively in a multidisciplinary team environment. 开发在跨学科团队合作提高工作效率能力。
- Provide information and experiences that can be used in making a career decision. 提供能够帮助学生做决策的信息和经历。
- Offer a chance to use 3D printer to print the designed part by yourself. 为学生提供亲身体验3D打印的机会，打印出自己设计的图形。



Component 2: American Cultural Studies & English Language studies

第二部分：美国文化学习和英语集训

- The course will cover cultural studies on American history, American government and American Society. It is also designed to help students improve their academic English language skills, including academic writing and oral presentation. 该课程将涵盖美国历史，美国政府和美国社会的文化研究。同时，帮助学生提高学术英语语言技能，包括学术写作和口头报告的技能。

Component 3: Leadership Development

第三部分：领导力培养

- Enrichment activities and formal lectures to facilitate students develop skills, knowledge and abilities to proactively take the initiatives to make productive, beneficial choices about their lives as well as contribute to society. The program will be designed to prepare students to be leaders in engineering from a cultural and social perspective.

项目通过团体体验活动及讲座帮助学生进一步了解，掌握和运用领导力的知识的技巧，使学生能够在今后的学习生活中能够主动运筹帷幄，为个人和社会做出有益贡献。该内容旨在从文化和社会的层面培养的具有领导才能的工程师。



Accommodation and Certification

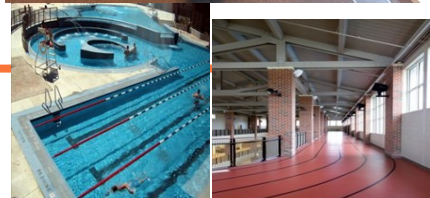
Accommodations: 住宿

On-campus housing is available and it gives participants an invaluable opportunity to have an authentic OSU student life experience. Participants will live in a community style residence hall on campus. It will be a Double Occupancy, Furnished Room with all utilities included, along with Cable TV and internet connections in each room. Wireless available in the public spaces. 所有学生在校内学生公寓住宿，为学生提供了一个感受真实的OSU大学校园生活的宝贵机会。学生将生活在社区式的校园宿舍，双人间，设施齐全，配有上网连接。在公共场所可无线上网。

Final Completion Certification: 项目结业证书

All students who successfully complete the program will receive an official certification of completion at the conclusion of the program.

所有成功完成项目的学生将颁发正式OSU成绩单，具体课程成绩将记录在案。同时，学生还将获得项目结业证书。



Proposed Program Schedule

	Monday 周一	Tuesday 周二	Wednesday 周三	Thursday 周四	Friday 周五	Saturday 周六	Sunday 周日
9-9:45	English and Cultural Studies 英语及文化学习	English and Cultural Studies 英语及文化学习	English and Cultural Studies 英语及文化学习	English and Cultural Studies 英语及文化学习	Leadership Development Seminar 领导力培养活动(领导力理论学习, 个人能力分析, 和校领导座谈, 个人人才培养)测验及评估	Cultural Enrichment Activities/ Cultural Tour 文化活动/参观 第一周: Camp Cowboy / 新生入学营地活动 第二周:Tulsa Museums Tour 第三周: OKC Tour OKC 参观	Service Learning/ Civic Engagement 参加非盈利机构的公益活动, 公民教育.
10-11	Engineering Sciences Course TA hours 工程课程辅导	Engineering Lab Tour/ Research Observation 工程实验室参观观摩	Engineering Sciences Course TA hours 工程课程辅导	Engineering Sciences Course TA hours 工程课程辅导			
11-1	Lunch 午餐	Lunch 午餐	Lunch 午餐	Lunch 午餐			
2-5 pm	Engineering Design with CAD 计算机辅助设计	Engineering Design with CAD 计算机辅助设计	Engineering Design with CAD 计算机辅助设计	Engineering Design with CAD 计算机辅助设计 3D Print 3D 打印设计产品			
5-8 pm	Dinner/Social Activities 晚餐/社团活动	Dinner 晚餐	Dinner/Social Activities 晚餐/社团活动	Dinner/ Movie Night 晚餐/电影之夜	Dinner/Social Activities 晚餐/社团活动		

International Students and Scholars Office

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Program Budget 费用预算

(Based on 30 students, minimum of 20 students required for the program, up to 50 max) 按照30人计算, 最少20人, 少于50人。

	Budget per person 预算/每人	Comments 备注
Academic Courses+ TOEFL Exam fee 课程及考试费用	\$950	Including the expense of academic tuition (in-state rate), Engineering Leadership and American studies fee, and TOEFL Exam fee 包含工程设计课程学费, 工程领导力和美国文化课程费以及TOEFL考试费。
Room & Board (19 days) 食宿 (19天)	\$1235	Suite style residential hall on campus + all meals 包括两项: 校内住宿及每日餐饮费用。
ISS Program and administrative Fee (including transportation fee) 国际办公室行政成本费	\$375	Logistics arrangements/local transportations/ airport pickup/student assistants 行政安排/当地公共交通/机场接送/学生助理费用
Colvin Center Enrollment fee 健身中心费	\$100	Exercise facilities. 健身中心费用
Cultural Tours (including Camp Cowboy Program Fee) 文化参观 (包含新生入学训练营)	\$300	Trips to OKC and Tulsa, including tour entrance tickets and transportation, Camp Cowboys 去OKC和Tulsa出行, 包括参观门票和交通费用, 新生入学营地活动费用。
Total总计	\$2,960	

J1 visa is required, students will pay \$180 SEVIS fee. Medical Insurance is highly recommended and is the responsibility of the individual students.
学生需要支付\$180来申请J1签证。特别建议每个学生出游前购买医疗保险确保出行安全。