



CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

Global Education Institute

College of the Extended University

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# CAL POLY POMONA

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## 2018 Camp for Science & Technology Innovation 2018年“科技创新”营项目

3 weeks 三周

College of the Extended University  
California State Polytechnic University, Pomona

美国加州州立理工大学（Pomona）  
延展教育学院

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THE CALIFORNIA STATE UNIVERSITY Bakersfield, Channel Islands, Chico, Dominguez Hills, East Bay, Fresno, Fullerton, Humboldt, Long Beach, Los Angeles, Maritime Academy, Monterey Bay, Northridge, Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San Jose, San Luis Obispo, San Marcos, Sonoma, Stanislaus



## PROGRAM SCHEDULE

### 日程安排

#### Week 1 第一周

##### / Day 1 – Sunday



**Arrival at Los Angeles International Airport, pickup,  
University Village check-in, get program handbook**

抵达洛杉矶国际机场，乘大巴前往学校，入住学校公寓，领取项目手册

##### / Day 2 – Monday

11:00AM–11:30AM

**Welcome Ceremony**

开学典礼

- Welcome ceremony and remarks  
欢迎仪式及欢迎致辞
- Meeting American student assistants and taking pictures  
与美国学生助理见面并合影

11:30AM-12:30PM

**Welcoming Lunch**

欢迎午餐

- Have lunch with American peers  
与美国老师和学生一起用午餐

1:00PM-2:30PM

**Visit: Guided Campus Tour**

带领参观大学校园

- Visit different colleges and places of Cal Poly Pomona  
参观大学各大学院和景点

3:00PM-5:00PM

**Shop at the nearby supermarket**

赴周边超市购买生活用品

##### / Day 3 – Tuesday

9:30AM-11:30AM

**Lecture: Outstanding Leadership**

专题讲座：卓越领导力

- Learn about leadership skills, traits, and strategies  
学习成为一名优秀的领导所需要的技能、特质、及技巧
- Know about your own interpersonal “style”  
认识你自身的风格

1:30PM-3:30PM

**Lecture: Collaboration and Team-Building**

专题讲座：合作及团队建设



- Team up to complete a project  
以小组形式在课堂上完成一个课题
- Each student assigned with a unique and important role  
每位学生在组内都有重要的和独特的任务

/ Day 4 – Wednesday

9:30AM-11:30AM

**Lecture: Engineer's World**

**专题讲座：工程师的世界**

- Understand what is being studies in engineering college  
了解美国高校工程学院的专业
- Learn how and why one of every 14 engineers in California graduates from Cal Poly Pomona  
加州每 14 名注册工程师中就有 1 名毕业于波莫那大学工程学院，秘诀和方法是什么

1:30PM-3:30PM

**Visit: Labs @ CPP Engineering College\***

**参观：工程学院实验室\***

- Labs of CNC, wind tunnel, earthquake simulation, water quality treatment, etc.  
计算机数控技术、风洞实验室、地震模拟器，以及污水处理技术实验室等

4:00PM-6:00PM

**Visit: Recreation Center**

- Visit the Recreation Center (the Gym), the largest in the west  
参观美国西部最大的校园学生娱乐中心（体育馆）

/ Day 5 – Thursday

9:30AM-11:30AM

**Lecture: Robotics Technology and Development (I)**

**专题讲座：机器人技术及其发展 (I)**

- Robot applications and development in real world  
现实生活中机器人的运用和技术的发展
- Computer simulation and control of robot movement  
计算机模拟与机器人动作控制

1:00PM-3:00PM

**Lecture & Activity: Robotics Technology and Development (II)**

**专题讲座及活动：机器人技术及其发展 (II)**

- REAL experience (Robotics Education through Active Learning)  
机器人体验式教育课程
- Participate in robotics activities making learning fun, engaging and inspiring  
体验充满参与性、趣味性和启发性的机器人互动游戏活动



3:30PM-4:30PM

**Visit: Arabian Horse Center**

**参观活动：参观阿拉伯马场**

- Get a close look at the Arabian horses on the campus of CPP  
在校园马场近距离观察、接触阿拉伯纯种马

**/ Day 6 – Friday**

9:00AM-11:00AM

**Field Trip: University of Southern California**

**实地参观：南加州大学**

- One of the top private research universities in the world  
全球顶尖的研究型的私立大学之一

12:00PM-5:00PM

**Field Trip: California Science Center or National History Museum\*\***

**参观：加州科学中心或者自然历史博物馆\*\***

- The West-Coast's largest hands-on science museum  
美国西海岸最大的实践型科学博物馆
- Explore the history and natural science of the human being and the earth  
探索人类与地球的历史和一场美妙的自然科学之旅

**/ Day 7 – Saturday**

9:00AM-8:00PM

**Disneyland Theme Park \*\***

**迪士尼主题乐园 \*\***

**/ Day 8 – Sunday**

9:00AM-6:00PM

**Getty Center and Santa Monica Beach**

**盖蒂中心及圣莫妮卡海滩游玩**

**Week 2 第二周**

**/ Day 9 – Monday**

9:30AM-11:30PM

**Lecture: World of Biological Technology**

**专题讲座：生物科技的世界**

- Understand what is being studies in engineering college  
了解美国高校生物科学专业
- Learn how bio technology are being utilized in real life  
现实生活中生物科技的应用

1:30PM-3:30PM

**Visit: Labs @ CPP Science College\***

**参观：理学院实验室\***

- Labs of bacterial research, DNA research, etc.  
各类细菌培养操作方式，DNA 测定和研究等



/ Day 10 – Tuesday

9:30AM-11:30PM

**Lecture: Food Safety**

**专题讲座：走进食品安全的世界**

- Learn how food safety can be secured  
了解美国如何保证食品安全
- Learn the “enemies” to food safety  
了解食品安全的“宿敌”是谁

1:30PM-3:30PM

**Guided Tour: BioTrek Tropical Garden**

**参观：BioTrek 热带雨林**

- BioTrek guided tour  
理学院热带动植物园带领参观

/ Day 11 – Wednesday

9:30AM-11:30PM

**Lecture: American Culture and Western Etiquette**

**专题讲座：美国文化及西方礼仪**

- Learn by doing at the RKR of Collins Hospitality College \*  
将课堂搬入旅游酒店管理学院自营的高级餐厅进行实训\*
- Learn about the distinguishing traits of US & western etiquette  
了解美国和西方文化礼仪的特别之处

1:30PM-3:30PM

**Lecture: Introduction to TOEFL, IELTS, SAT and ACT**

**专题讲座：托福、雅思、SAT 以及 ACT 等考试介绍**

- Get familiar with the exams related to university application  
熟悉申请大学的相关考试情况

/ Day 12 – Thursday

9:30AM-11:30AM

**Lecture: Approaching the World of Nano Technology**

**专题讲座：走进纳米技术的世界**

- Learn what Nano technology is  
什么是纳米技术
- How do Nano materials look like and what they can do  
纳米材料及纳米技术的用途

1:30PM-3:30PM

**Lecture: Nano Technology Module**

**专题讲座：纳米技术模块**

- Learn what Nano technology module is  
什么是纳米技术模块
- Introduce to the research grade instrumentation  
研究级仪器介绍



**/ Day 13 – Friday**

**Visit the JPL (only with successful reservation); otherwise, would have to go with the schedule below**

如预约成功，参观喷气推进实验室；如无法预约，则按以下

9:00AM-12:00PM

**Field Trip: UCLA**

实地参观：加州大学洛杉矶分校

- One of the top private research universities in the world  
全球顶尖的研究型的公立大学之一

1:00PM-5:00PM

**Field Trip: Hollywood**

实地参观：好莱坞

**/ Day 14 – Saturday**

10:00AM-6:00PM

**Free Time**

自由活动

**/ Day 15 – Sunday**

9:00AM-6:00PM

**Universal Studios Hollywood\*\***

环球影城\*\*

**Week 3 第三周**

**/ Day 16 – Monday**

9:30AM-11:30AM

**Lecture: 3D Printing Technology and Development in U.S.**

专题讲座：3D 打印技术在美国的发展

- Major technologies and applications in 3D printing  
3D 打印的主要技术和实际运用
- Materials selection and quality control  
材料选择与质量控制

1:30PM-3:30PM

**Visit: 3D Printing Lab @ Engineering College\***

参观：工程学院 3D 打印实验室\*

- Observe or trying printing out your own 3D work  
观看或尝试打印自己的 3D 作品

**/ Day 17 – Tuesday**

9:30AM-11:30AM

**Lecture: Overview of the U.S. Universities and How to Apply**

专题讲座：美国大学介绍及入学申请

- U.S. university types, locations, tuition, culture, etc.  
美国大学的种类、位置、学费、校园文化等
- Application procedures, timelines, admission requirements  
大学申请的步骤、时间节点以及录取要求

1:30PM-3:30PM

**Lecture: How to Compose Application Essays and Prepare for**



**Admission Interviews**

专题讲座：美国大学入学申请书/短文辅导及录取面试准备

- Mentor of admission application essay  
美国大学申请书/短文撰写辅导
- Guidance on admission interview  
大学录取面试技巧辅导

**/ Day 18 – Wednesday**

9:00AM-8:00PM

**San Diego SeaWorld\*\***

圣地亚哥海洋世界\*\*

**/ Day 19 – Thursday**

9:30AM-11:30AM

**Lecture: World of UAV**

专题讲座：无人机的世界

- Learn how technology has evolved in UAV area  
了解无人机的技术及其发展

1:30PM-3:30PM

**Activity: UAV Observation and Operation**

专题活动：无人机的操作讲解

- Learn how to operate a UAV  
了解无人机的操作

6:00PM-8:00PM

**Prepare for Graduation Presentation**

准备毕业演讲

**/ Day 20 – Friday**

9:30AM-11:30PM

**Graduation Presentation**

毕业汇报及演讲

11:30AM-12:30PM

**Graduation Ceremony & Certificate Awarding**

毕业典礼及颁发证书

**/ Day 21 – Saturday**



**University village check-out, depart for home country**

学校公寓退房，送机，乘机返回中国

**The above schedule is subject to change with prior notice**

以上行程可能有调整，具体以最终通知为准

\* 本活动以最终预定情况为准

\*\* 景点门票等费用不包含在项目费里。如需报价，请与我们联系