

ABOUT XI'AN

Ancient City

A world-famous ancient capital city with 3000 years of history, and one of the birthplaces of the Chinese nation.
The starting point of the famous "Silk Road".
The first city in China's history to open its gates to the world.



Modern City

A major base of aerospace, electrical and machinery industries.
A 20.35 square-km state high tech development zone, which is the largest economic and cultural center in the northwest of China.



Fortune TOP 500 Companies chose Xi'an, and over 180 foreign funded enterprises are located here.

2018

INTERNATIONAL WINTER SCHOOL

CHINESE PERSPECTIVES IN ENGINEERING AND INNOVATION



ALL PLACES
ALL CULTURES
ALL COUNTRIES

WELCOME TO CHINA
Xi'an, China
December, 2017

NORTHWESTERN POLYTECHNICAL UNIVERSITY

Founded in 1938, Northwestern Polytechnical University (NPU) is classed as a national key university in China. NPU has developed into an open and research-oriented University by bringing its founding spirit of inquiry and innovation into a wide-ranging curriculum that now includes the Humanities, Law, Management and Foreign Languages.
And by incorporating three of China's leading engineering schools, NPU has gained international recognition for its work in the fields of aeronautics, astronautics, and marine technology.



16 ACADEMIC SCHOOLS
65 UNDERGRADUATE PROGRAMS
120 POSTGRADUATE PROGRAMS
71 DOCTORAL PROGRAMS
17 POSTDOCTORAL PROGRAMS

STUDENT

26093 Total students including:

3,625 Doctoral students 8,017 Master students 14,451 Undergraduates 1,326 Overseas students \$290 Million Research Fund (each year)

A BETTER SELF IN A BETTER WORLD

Ensure every student can fulfil their dream both in terms of achieving their individual life goals and serving the wider community.
Help students to lead rewarding and fulfilling lives as responsible citizens in today's globalized world.
NPU has joined the University Association comprising universities from Finland, Spain, Belarus and Russia.



TURNING DREAMS INTO REALITY

Participated in 10 out of China's 16 National Special Science and Technology Projects.
160 Partner universities, enterprises and institutes from different countries including the U.S.A, the UK, Germany, France, Russia and Japan.
4 National Institutional Discipline Innovation Bases.
48 Sino-international research institutions.
200 well-known foreign experts, scholars and professors to serve as honorary or visiting professors at NPU, including Nobel Prize Winners Tsung Dao Lee and Harold Walter Kroto. Among these 8 foreign experts won the National Friendship Award.



NPU'S STUDENT-ORIENTED EDUCATIONAL PROGRAMS ARE DESIGNED NOT ONLY TO PROMOTE ACADEMIC EXCELLENCE AND TECHNICAL COMPETENCE, BUT ALSO TO FOSTER A GLOBAL OUTLOOK WITH A KEEN SENSE OF SOCIAL RESPONSIBILITY.

ABOUT INTERNATIONAL WINTER SCHOOL

The two-week winter school organized by Northwestern Polytechnical University is a unique winter program for international students to experience the ancient and modern China in Xi'an.
This program is designed to welcome students from all over the world at both undergraduate and graduate levels, and it was initiated from 2013.

2018 Northwestern Polytechnical University Winter School Program is composed by one compulsory course and one elective course. The credit is 2 points for each course. (Please refer to the appendix for course details)

PROGRAM LENGTH AND DATES

December 29th 2017-January 11th 2018 (Two weeks)

PROGRAM HIGHLIGHTS

- ◆ Study with Northwestern Polytechnical University full-time students
- ◆ To experience authentic Chinese culture in ancient city of Xi'an
- ◆ To experience diverse culture with campers all over the world
- ◆ To experience the wonder of cross culture communication
- ◆ To acquire the language spoken by largest number in the world
- ◆ To acquire the unique way of development in the world 2nd largest economy
- ◆ The birthplace of Chinese civilization
- ◆ The home of Terra Cotta Warriors
- ◆ NPU, one of the top universities in China
- ◆ NPU, a university that excels in aeronautics, astronautics and marine simultaneously

PROGRAM FEES

880 dollars (5800 RMB) per person, including course tuition, meal, local transportation, cultural experiences, accommodation and medical insurance.
Scholarship will be available to international students who are accepted by Northwestern Polytechnical University.

PROGRAM SCHEDULE

A rough schedule is provided below. Please note that this is only a draft program and that changes are expected depending on the availability of certain lecturers and venues.

Dates	Time	Activity
Dec.28(Thu.)	All day	Registration
Dec.29(Fri.)	Morning	Opening Ceremony
	Afternoon	Orientation Ice-breaking Games
Dec.30(Sat.)	Morning	Elective Course
	Afternoon	Culture Experience: Chinese Tea Art & Traditional Paper-cutting Art
Dec.31(Sun.)	Morning	Elective Course
	Afternoon	Culture Experience: New Campus Tour Chinese Cuisine Making Carnival and New Year's Party
Jan.01(Mon.)	All day	Free Time
Jan.02(Tue.)	Morning	Outward Bound Training
	Afternoon	Culture Experience: Traditional Culture and Costume of Han Dynasty Visit the Han Yangling Mausoleum
Jan.03(Wed.)	Morning	Culture Experience: Chinese Kungfu Learning Visit the Starting Point of the Silk Road
	Afternoon	Culture Experience: Visit the Ancient City Wall
Jan.04(Thu.)	Morning	Elective Course
	Afternoon	Culture Experience: How to play a traditional Instrument of China
Jan.05(Fri.)	Morning	Elective Course
	Afternoon	Lecture: The Story of China's Modern Expansion (1)--- "The Belt and Road Initiative"
Jan.06(Sat.)	Morning	The Story of China's Modern Expansion (2)---Special Economic Zone
	Afternoon	Lecture: The Story of China's Modern Expansion (3)---Industrial Expanding Abroad

	Morning	Elective Course
Jan.07(Sun.)	Afternoon	Guest Lecturer: Start ups in China and Entrepreneurship
	Morning	Elective Course
Jan.08(Mon.)	Afternoon	Performance of the Model Planes designed by NPU students
	Morning	Elective Course
Jan.09(Tue.)	Afternoon	Culture Experience: Village Yuanjiacun
	Morning	Elective Course
Jan.10(Wed.)	Afternoon	Culture Experience: Visit the Terra-cotta Warriors
	Morning	Culture Experience: Visit the Wild Goose Pagoda and the Museum of Shaanxi History
Jan.11(Thu.)	Afternoon	Culture Experience: Night View and Performance of the Tang Paradise
	Morning	Preparation for the Talent Show
Jan.12(Fri.)	Afternoon	Closing Ceremony and Farewell Party



HOW TO APPLY

1. Please fill the APPLICATION FORM(Including Elective Course Option) for international students.
2. Send your APPLICATION FORM and a scan copy of your passport (front page) to edic@nwpu.edu.cn
3. Deadline of application: Nov. 15, 2017

APPENDIX

Compulsory Course

Chinese Culture, including traditional culture experience and lectures about the story of China's modern expansion.

Elective Courses List

000 Chinese Language
To enable students to complete a certain amount of communication task of learning, to master the corresponding language elements, language skills and related cultural knowledge to improve their Chinese communicative competence through short-term intensive training.

001 Experimental Aerodynamics

Theory and application of Advanced Measurement and Visualization Techniques in Aerodynamics. It includes the basic knowledge of wind tunnel, test data acquisition and error analysis. The test consists of particle image velocimetry measurements, force balances, surface oil flow visualization measurements, pressure probes, hot wire anemometry and turbulence measurements.

002 The Physics of fluids: from macro to micro

This course covers the fundamentals of the mechanics of fluids. It intends to provide the tools to solve practical problems in the Engineering.
Students will work to formulate the models necessary to study, analyze, and design fluid systems through the application of these concepts, and to develop the problem-solving skills essential to engineering practice of fluid mechanics in practical applications.

003 Introduction to Architecture

The main purpose of this course is to give a general introduction of Architecture. The students would firstly be acknowledged of what is Architecture about, as well as the basic concepts, connotations, features and the developing trends of this domain. Then, they would understand the relationships among Architecture and other related majors. Also, a brief information of the architectural history and the design methods would be provided.

004 Exploring Mystery of Science

The purpose of this course is to highlight the core scientific research work around the four disciplines--- mathematics, physics, chemistry, optical engineering, and material physics and chemistry state key disciplines. Make students understand the progress of the latest scientific knowledge of various disciplines and its application by looking for information, visiting the laboratory and discussing in class to explore the display research trends, development of science, and the promotion of professional knowledge.

005 Introduction to Software Engineering

This course introduces modern software testing background and methods for improving software quality in a broad sense, including classical software testing theories such as software testing process, test case design methods, bug management, etc. software testing tools for functionality, performance, and security, modern software testing methods for Android application, cloud computing system, Web, and other popular academic research topics of software testing.

006 International Trade law & Business Correspondence

This course introduces the relevant knowledge of WTO law from the perspective of international law, and introduces the relevant legislation of China's foreign trade management. The main task of business correspondence course is to help students to correct basic knowledge of foreign trade English correspondence, including the format of foreign trade English correspondence, professional terms and writing methods, to improve students' ability to operate in foreign trade business activities in time.