



中國石油大學 (华东)
CHINA UNIVERSITY OF PETROLEUM

UPC EduInspire 2026 Global Camp

Future Engineer: AI-Powered Energy Transition





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WELCOME

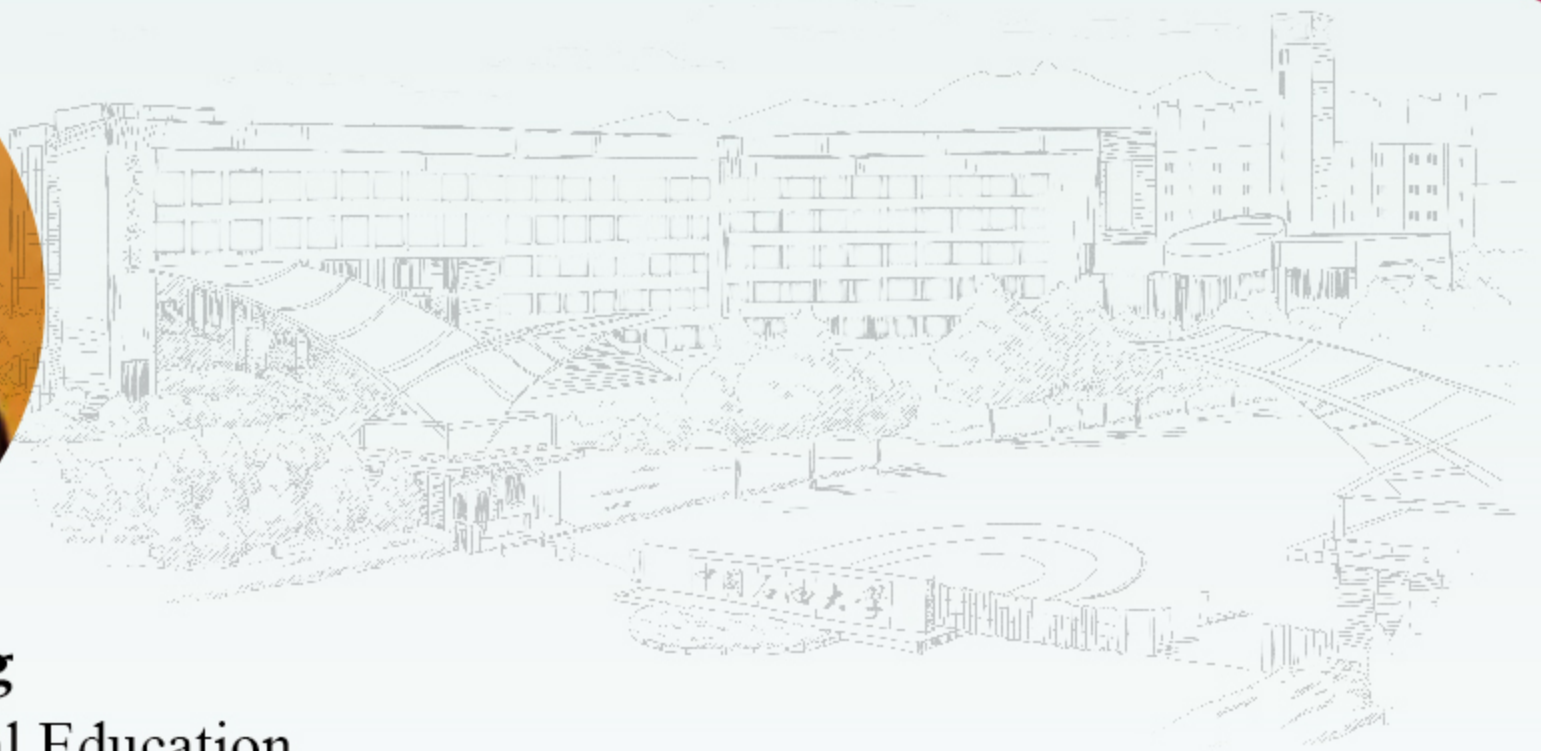


Prof. Fang Huang

Dean of College of International Education

In 2026 summer UPC is proud to bring together enthusiastic and intellectually curious students from across the world to study new areas of knowledge and explore different ideas and ways of thinking.

We offer an exciting range of courses, all taught in English in small classes by experienced academics and experts from around the world. It is an intense and rewarding way to learn, highly effective at developing the use of critical reasoning and logical argument. You will improve your skills of analysis and gain an excellent foundation for future academic and career success.



Our beautiful college campus in Qingdao will be your home for the duration of the programme. We have a green, smart and multicultural campus where you find the finest academic resources and most advanced learning and research facilities, all open to faculty and students. From a campus tour to a city walk, from Chinese calligraphy practice to a tea art show, our social and cultural activities will give you an authentic taste of the unique student experience in China, making friends and having fun as part of a diverse international cohort.

In this prospectus you will find more information about our range of courses, from AI and Energy Transition Fundamentals to Digitalisation and Smart Mining. In every single one you can dive deep into topics of special interest with the personalized attention of expert academics, study among like-minded students from across the world, and gain an edge for your academic and professional future. We look forward to welcoming you to UPC!



ABOUT

China University of Petroleum (East China), abbreviated as UPC, is a national key university directly under the administration of the Ministry of Education and a member of the “211 Project Universities” and “985 Project Innovation Platform Universities”.

It is home to 1000-plus international students from around 70 countries. Annually, UPC receives 500-plus visits by international academics for teaching, academic exchanges and research cooperation. We do everything possible to ensure international faculty and students feel welcomed into the UPC community. They are cherished as part of our global community.

UPC campus is located in Qingdao city, a well-known international tourist and overseas study destination. The weather here is quite agreeable, with moderate temperature and distinct four seasons. Qingdao ranks 13th in terms of GDP out of China’s 600-plus cities. It has economic and trade ties with over 200 countries and regions. People living in Qingdao enjoy beautiful scenery, diverse exotic building styles, convenient transport, and vigorous international communication.





CULTURAL ACTIVITIES



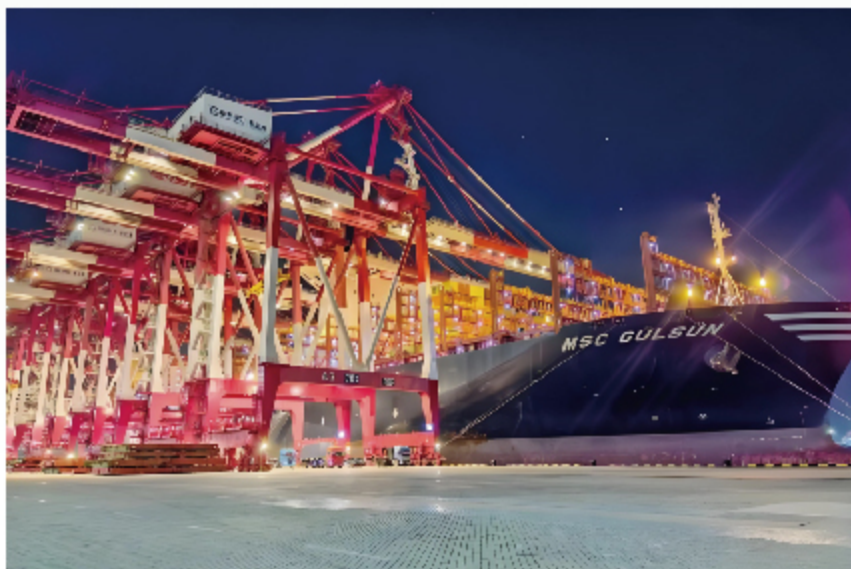
VISITING VENUES INTRODUCTION

▪ State Key Laboratory of Deep Oil and Gas (UPC)

China's premier research facility dedicated to ultra deep petroleum systems. Equipped with world class high pressure/high temperature rock mechanics testers, digital core scanners, and full wave acoustic logging simulators. The laboratory leads national R&D projects in deep water and deep earth hydrocarbon exploration, providing critical scientific support for China's energy security.



▪ Qingdao Port – Intelligent Port



The world's first fully automated, 5G powered container terminal. Qingdao Port has achieved record breaking operational efficiency through AI driven scheduling, unmanned trucks, and remote controlled quay cranes. It serves as a global benchmark for smart logistics and digital twin applications, offering valuable insights into the future of industrial automation.

▪ Hisense Exploration Center

A showcase of how artificial intelligence transforms consumer electronics and smart living. Interactive exhibitions demonstrate AI in voice control, visual recognition, smart appliances, and intelligent manufacturing systems. The center inspires cross disciplinary thinking, particularly in human machine interface design and embedded AI solutions.



▪ Qingdao Offshore Oil Engineering Equipment Base (COOEC)



Asia's largest offshore engineering construction site, affiliated with China National Offshore Oil Corporation. Specialises in fabrication of ultra large deep water platforms, subsea production systems, and floating LNG facilities. Students will observe the integration of digital twin technology, automated welding robots, and real time structural health monitoring used in complex marine projects.

▪ Teld (Telaidian) New Energy Co., Ltd.

China's leading electric vehicle charging network operator, with over 400,000 charging terminals nationwide. Teld's smart charging platform uses big data and AI to forecast load, optimise charging schedules, and enable vehicle to grid (V2G) services. The company is at the forefront of the energy transportation nexus and provides a practical case study of AI enabled green infrastructure.



▪ Qingdao Oriental Movie Metropolis



China's first film production base that meets international standards. It features 40 world-class soundstages and a globally leading underwater production center, earning its reputation as the "Dream Factory" of Chinese cinema. Visitors can step into real movie sets, board the 120-meter-long Long jing submarine model, and experience firsthand the technology and craftsmanship behind blockbuster films.

PROGRAMME SCHEDULE

Date	Courses & Activities	Description
June 28, 2026 (Sunday)	Arrival & Check in	<ul style="list-style-type: none"> – Arrival at Qingdao Jiaodong International Airport, meet & greet transfer to UPC – Check in at International Student Apartments, welcome kit distribution – Free time to acclimatise
June 29, 2026 (Monday)	Opening Ceremony & Academic Orientation	<ul style="list-style-type: none"> – Opening ceremony, ice-breaking activities, programme overview, safety briefing – Group Project Announcement – introduction to the “AI for Energy Transition” challenge, project requirements, assessment criteria, and final presentation schedule – Campus tour & Orienteering Race
June 30, 2026 (Tuesday)	Discipline Frontiers I & Industry Visit I	<ul style="list-style-type: none"> – AI-driven Energy Transition (3 hrs) – smart grid optimization, energy forecasting, automated control systems – Visit to Teld (Telaidian) New Energy Co., Ltd. – smart charging network, AI-powered load forecasting, V2G technology; technical presentation by senior engineer, interactive Q&A
July 1, 2026 (Wednesday)	Discipline Frontiers II & Industry Visit II	<ul style="list-style-type: none"> – Sustainable Energy Systems (3 hrs) – renewables, energy storage, carbon capture – Project topic briefing – introduction to group project, team formation – Visit the Geological Museum and the State Key Laboratory of Deep Oil and Gas – Touch geological records spanning hundreds of millions of years; observe core analysis and learn about carbon capture, utilization and storage
July 2, 2026 (Thursday)	Discipline Frontiers III & Industry Visit III	<ul style="list-style-type: none"> – Applications of AI in Oil and Gas Field Exploration and Development (3 hrs) – Visit to Qingdao Offshore Oil Engineering Equipment Base (CNOOC affiliate) – fabrication of deep water platforms, subsea trees, FLNG, remote operation centres
July 3, 2026 (Friday)	Discipline Frontiers IV & Industry Visit IV	<ul style="list-style-type: none"> – Global Oil & Gas Market under Energy Transition (3 hrs) – supply-demand dynamics, energy security – Visit to Hisense Exploration Center – AI in smart home, intelligent manufacturing, and future living; cross industry inspiration for control systems & HMI

Date	Courses & Activities	Description
July 4, 2026 (Saturday)	Cultural Experience Day	– Qingdao coastal tour– Zhanqiao Pier, May Fourth Square, Beer Museum
July 5, 2026 (Sunday)	Free Time / Project Preparation	– No formal activities scheduled – Students may use campus facilities for group project work or self guided exploration
July 6, 2026 (Monday)	Discipline Frontiers V & Industry Visit V	– Industrial Intelligent Manufacturing (3 hrs) – Visit to Qingdao Port (Intelligent Port) – world leading automated container terminal; 5G+AI applications, digital twin port operations, autonomous trucks & cranes
July 7, 2026 (Tuesday)	Discipline Frontiers VI & Industry Visit VI	– When AI Meets Green Chemical Engineering (3 hrs) – Visit Bright Moon Seaweed Group – learn about the applications of AI in bioenergy and green chemical engineering
July 8, 2026 (Wednesday)	Discipline Frontiers VII & cultural Experience	– Chemistry: A Key to Energy Transition (3 hrs) – role of chemical innovation in batteries, catalysis, green hydrogen, and circular carbon economy – Chinese cultural workshop – Tea Ceremony & Calligraphy (concise, 3 hours)
July 9, 2026 (Thursday)	Discipline Frontiers VIII & Industry Visit VII	– Smart Chemistry for Sustainable Energy (3 hrs) – Visit Oriental Movie Metropolis- including visits to Hall A with English commentary, as well as guided tours and study interaction activities in Halls B, C, D and E
July 10, 2026 (Friday)	Project Showcase & Closing Ceremony	– Group project presentations – each team presents their “AI for Energy Transition” solution (oil & gas / power / mining / cross domain) – Judging by academic and industry panel, feedback session, awards for best projects – Closing ceremony, certificate award, group photo – Farewell dinner
July 11, 2026 (Saturday)	Departure	– Check out, transfer to Qingdao Jiaodong International Airport – End of programme

The schedule is subject to change based on actual circumstances.

OTHER INFORMATION

- **Fees**

Programme Fee: RMB 5,500 (≈ \$ 820) per student. This fee covers tuition, course materials, accommodation (double room in UPC International Student Apartments from from June 28 to July 11), local transportation for all scheduled activities, and cultural visits.

Participants are responsible for: International airfare, travel insurance, and personal expenses.

- **Housing**

Double rooms in UPC International Student Apartments (air conditioning, private bathroom, Wi-Fi, shared kitchen).

- **Cafeteria hours**

Breakfast 6:45am-9:00am

Lunch 11:00am- 1:00pm

Dinner 5:00pm-7:00pm

- **Transportation**

Complimentary airport transfer on arrival/departure; private buses for all scheduled off-site activities. Personal travel can use public transport.

- **Medical**

UPC Health Center on campus; basic first aid available.

- **Certificate**

All participants who complete the full programme will receive a joint completion certificate from China University of Petroleum (East China), detailing the learning outcomes, contact hours, project title.

HOW TO APPLY

Eligibility:

- Majors: Petroleum Engineering, Geology, Geophysics, Mining, Mechanical/Chemical Engineering, Computer Science, Data Science, Energy Economics, or related fields.
- Good command of English (sufficient for academic and social communication).

Programme Capacity: 30 students (mixed international cohort).

Application Process:

- Obtain nomination from your home university (formal nomination letter required).
- Complete the online application form before **May 31, 2026**.
- Admission decisions will be emailed by **June 5, 2026**.

Online Application Link: [<https://docs.qq.com/form/page/DTUJWQnh2ekptVHpR>]

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**JOIN US THIS SUMMER TO
INTERACT WITH GREAT MINDS
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