

# Resource Prospecting Engineering

## Objectives

Students who complete the undergraduate program in Resource Prospecting Engineering will:

1. Master sound fundamental theories in Mathematics and Physics field. Master firm basic theories in the field of Resource Prospecting Engineering
2. Use basic computer knowledge and general software to program for solving simple problems related to the major.
3. Master one foreign language and use it for scientific communication.

## Core Courses

Title	Hours	Credit
<u>General Geology</u>	48	3
<u>Lithogenous Mineralogy</u>	64	4
<u>Paleontology</u>	40	2.5
<u>Magmatic and metamorphic petrology</u>	32	2
<u>Structural Geology</u>	64	4
<u>Sedimentary Petrography</u>	64	4
<u>lithofacies Paleogeography</u>	40	2.5
<u>Stratigraphy &amp; Historical Geology</u>	32	2
<u>Petroleum Geochemistry</u>	32	2

## Graduation & Degree Requirements

Students have to gain at least 178 credits to graduate, among which 114 credits from compulsory courses, 30 credits from selective courses and 34 credits from practice teaching. Students have to pass CET-4 to gain the Bachelor degree.

**Career Prospects**

Graduates gain the skills needed to work in a variety of large corporations and government agencies. A vast majority of students participate in the various opportunities through the various China state oil companies including CNPC, SINOPEC, and CNOOC. They also work as geologists in the international oil company including BP, Shell, ExxonMobil and etc. Additionally, graduates go into policy roles in the governmental organizations.