



# Energy and Power

Duration of Study: Master' degree -- 3 years  
PhD degree -- 4 years

---

Contact Information (academic consultation):  
Prof. Xing Zhu  
Tel.: 0086-871-65198154  
Email: zhuxing2010@hotmail.com



With a history of more than 40 years, energy and power specialty at KUST is a first-class major in China and a key discipline in Yunnan. The specialty has formed a relatively complete discipline system. There are more than 50 full-time researchers, including 32 professors. The faculty has a reasonable personnel structure with an obvious echelon composed of sufficient young and middle-aged reserve talents. The specialty has one state key laboratory and eight national and provincial scientific research platforms. The specialty is an important basement for talent cultivation and exchange in the field of energy and power engineering in the southwest of China.

### **Core Curriculum:**

- 1、Advanced engineering thermodynamics
- 2、Advanced engineering fluid mechanics
- 3、Advanced heat transfer
- 4、Transition process of hydraulic units
- 5、Combustion and emission control
- 6、Stability and control of hydraulic units
- 7、Hydraulic units dynamics

