**Applied Physics (Laser 3D Technology)**

Bachelor-program

Duration: 4 years

Starting Date: March

Tuition Fee: 18000RMB

Teaching Language: English

This study program is tailored to train talents with solid fundamentals of Laser 3D Technology, as well as strong practical ability and creative sense. The graduates are expected to do scientific research work, product design, technology development and management in fields of laser 3D modeling, measurement and test, 3D fabrication, optical communication, optoelectronics, and etc. After graduation, the students may further their study for master degree in related fields.

**Enrollment Advantage**

**Very strong professional experiences in the field of Laser 3D Technoloy.**

All the 19 faculty staff have many years of study and research experiences and accumulated cutting-edg techniques in the field of Laser 3D Technology. All the faculty staff have PhD degrees and study/research experiences abroad.

**State-of-the-art facilities.**

A number of central service facilities and interdisciplinary research institutes provide support for the study program of Laser 3D Technology. Particularly relevant are the laser 3D measurement and print facility. State-of-the-art facilities for large scale include 3D printer, 3D measurement apparatus, photoelectric detection system, and etc.

**Internship/work opportunities in big enterprises in China.**

The study program concentrates its resources on Laser 3D Technology with very close relevance to technological industry. Cooperation has been established with more than 20 big enterprises, such as Intel, HUAWEI, Huagong Tech, Xianlin 3D, Hualei Laser Tech, and etc. The students will have internship and/or work opportunity in those big companies.

**Main courses**

Computer Aided Design (CAD)

Digital Image Processing

Digital 3D Modeling

LabView

Laser 3D Sensing

Digital 3D Modeling

Laser 3D Display Technology

Laser 3D Print and Fabrication

**Employment Prospects**

**In the Field of laser 3D manufacture:**

Manufacture of spare parts of vehicles and shipbuilding;

Chemical engineering and metallurgy;

Reproduction of the machine accessories.

**In the field of 3D design:**

3D animation design;

3D appearance design;

3D digital modeling.

**In the field of 3D detecting:**

3D architecture detecting;

3D detecting of giant machinery;

3D detecting of industry product.