

Introduction to HEU Master of Optical Engineering in English

Name of Specialty: Optical Engineering

Credit System: 3 years

Cultivation Objective :

This discipline cultivates students with the spirit of exploration, ability of scientific research and engineering design in the field of optical engineering, The student becomes the senior specialized personnel in science and technology, education, engineering and economic fields.

In addition, Master graduate students should have the following abilities:

1 With the ability of put forward questions, analysis and solve the problem

2 With the ability of teamwork, Academic communication and effectively expression.

3 With the ability of good English language skills in reading and writing

Cultivation Requirements:

1. Credit Requirements:

The Master course consists of three semesters. The Mater course requires 26 total credits, including degree program 13 credits, Synthesis courses 3 credits, optional courses 10 credits. There are 20 courses in this major, including 2 general degree courses, 3 basic theoretical courses, 12 specialized optional classes, and 3 synthesis courses. According to overseas students needs, in order to intensify Chinese education, it is proper to have more Chinese optional courses.

2. Graduation and Paper Requirements:

2.1 Opening report of the graduate paper will be carried out at the end of the second semester or in the middle of the third semester. It will

take the final paper.

2.2 The subject of paper should have some academic significance. Students should try to select pioneering project or valuable ones which contribute to the development of Optical Engineering.

Major Course:

Design of Optical System

Advanced Physical Optical

Principle and Application of Chemical and Biological Fiber-optic Sensors

Modern Optical Experiment

Nano Photonics

Nonlinear Optics

Optical Measurement and Testing Technology

White-light Interferometry: Principles and Applications

Micro/Nano materials and device

Design of Fiber Optic Sensors

Graduate Degree:

Master of Engineering

Supervisor's information:

(1) Click to <http://studyheu.hrbeu.edu.cn>

(2) To choose the part of admissions, then to look for the college you are interested to check the supervisors information.

Tuition Fee(学费) :

Master Program: 33000yuan RMB per year

Application Requirement:

1. Application Form

Applicants need to register on <http://laihua.csc.edu.cn>, agency number of Harbin Engineering University is **10217**. To fill in the required blanks, submit it online, save it and print it.

2. Language Proficiency:

The TOEFL IBT score of 70 points at least, or IELTS score at least 5.5, or the relevant certificates of English as the working and learning language for university study.

3. Requirement of Highest Degree and Program:

Possess bachelor degree above, and previous major should be related to Physics and Engineering science.

4. Application Documents:

Provide undergraduate diploma notarized copies and the score report's transcripts or notarized copies of undergraduate courses. When the diploma is neither Chinese nor English, you should provide notarized Chinese or English translated document.

5. Research and Study Plan:

Provide research and study plan in China (1500 words at least), written in Chinese or English.

6. Recommendation Letters:

Provide recommendation letters by two professionals with the title of professors or associate professors.

7. CV or Resume

Provide the CV or Resume with personal information, educational background, work experience, skills etc.

8. Physical Examination

9. Application Deadline:

February 28 each year for September admission

Contact Information :

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