

Introduction to HEU Master of Materials Science & Engineering in English

Name of Specialty: Materials Science and Engineering

Credit System:3 Years

Cultivation Objective:

This specialty trains the students who possess good character, honesty, healthy, good scientific ethics and professionalism. The graduated students should master solid and broad fundamental theory and systematic knowledge in Materials Science and Engineering, and have a full understanding of the development trend in this field. They will be familiar with the preparation and processing technologies for new materials. They will know the relationship among composition, micro structure, preparation and processing, properties. They should also master a foreign language, and cause the language to read write papers. They will well engage in the work of research, teaching, engineering, management and other work related to Materials Science and Engineering.

Cultivation Requirements:

1. Credit Requirements:

The Mater course requires 26 total credits at least, including degree program 12 credits, synthesis program 3 credits and specialized elective program 11 credits. The degree program consists of general degree courses (6 credits)and basic courses (6 credits from optional 16 credits). The specialized elective program consists 38 credits for electing.

2. Graduation and Paper Requirements:

See the detailed relative regulations from College of Materials Science and Chemical Engineering.

Major Course:

Chinese, Survey of China, Solid Phase Transition, Materials Physics, The Theory of Materials Processing, Computational Materials Science, Functional Materials, Metals Solidification Principle, Electron Microscopy, X-Ray Diffraction Theory and Technology, Selected Readings of Classic Academic Monograph, Material synthesis experiment, Report of Literature Review, Academic Activities

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:

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 Materials Science& Engineering.

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 :

Ms. YIN Hua (Rebekka)

International Office, Harbin Engineering University

No. 145-1, Nantong Street, Nangang District, Harbin, 150001, China

Tel: 0086 451 82568266, 82568218, 82589366

Fax: 0086 451 82530010

Email: heufao@hrbeu.edu.cn; studyheu@yahoo.com