

Introduction to HEU Doctor of Nuclear Science and Technology in English

Name of Specialty: Nuclear Science and Technology

Credit System: 4 year(s)

Cultivation Objective :

Nuclear Science and Technology is a comprehensive and cutting-edge discipline consisting of basic science, technology and engineering. Desired outcome:

1. Develop correct values and a correct outlook on life and on the world. Seek truth through precise research. Develop good mental character and strong teamwork skills. Develop professionalism, integrity and academic excellence in order to benefit society and the nuclear industry.

2. Develop a solid foundation in mathematics and physics. Obtain a broad theoretical foundation in nuclear energy science and engineering, nuclear fuel cycle, nuclear technology application, radiation protection and related applications. Obtain a deep knowledge in the chosen field of research. Develop the ability to summarize and evaluate literature, and to understand the developments in the chosen field. Be able to write a dissertation, express academic ideas and discuss research questions with a focus in international cooperation. Be able to communicate in Chinese.

3. Be able to develop valuable research questions and independently carry out high-level scientific research. Develop the ability to think creatively and apply creativity to the chosen field of research. Develop the ability to meaningfully contribute to society through research, teaching, design, construction, operations, management, or other such fields.

Requirements:

1. Credit Requirements:

The Doctoral course requires 12 total credits, including degree program 8 credits, synthesis program 3 credits, and optional courses 1 credit.

2. Graduation and Paper Requirements:

(1) PhD student must fulfill all academic credit requirement within the specified period of time.

(2) All the papers which count towards the degree must be related to the field of research. The desired papers must fulfill **Harbin Engineering University PhD Degree Published Paper Requirement, No.(2013)45, XIAO Yan ZI.**

The PhD student must be the first author or second author provided the first author is the student's advisor. The corresponding author must be the teacher of College of Nuclear Science and Technology. The student must list Harbin Engineering University as their institution, or list it first if listing other institutions.

Major Course:

Chinese
Survey of China
Advanced Reactor Physics
Thermal Power System Dynamics
Two-phase fluid mechanics
Natural Circulation Flow and Heat Transfer
Modern Signal Processing Technology
Advanced Transport Process Principle
Advanced Radiation Dosimetry

Graduate Degree: Doctor 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 :

Doctoral Program: 42000yuan 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 Master degree or equivalent in Nuclear Science and Technology or a related field.

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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