

## **2020-2021 Atomic Energy Scholarship of China**

### **Harbin Engineering University**

#### **Introduction to AES**

##### **I. Strength of the Scholarship**

The Atomic Energy Scholarship of China (AES) was jointly initiated by the China Atomic Energy Authority and the Ministry of Education of China in 2017. AES is aimed at providing financial support to outstanding students, technicians and administrators from emerging nuclear power application countries to study in China. Harbin Engineering University is entrusted to be responsible for the education program.

Guided by the demands of the international community, and aimed at cultivating professionals of nuclear power, the AES Program will rely on the education platform of international nuclear professionals, adopt a diverse and double-supervisor training mode, and establish a professional education system coordinated by the government, university and enterprises.

Harbin Engineering University takes advantage of the two platforms: i.e. technical cooperation projects of the International Atomic Energy Agency (IAEA) and “111” Innovation Brainpower Importing Base, by designing an international curriculum system referring to the professional curricula of nuclear engineering in international first-class universities.

The Nuclear Energy Science and Engineering Program of Harbin Engineering University is the first program to have passed the Nuclear Engineering Education Accreditation in China. Harbin Engineering University has been widely recognized and earned its high reputation from its education programs. Harbin Engineering University, as a major nuclear talent education base in China as well as a nuclear education and training center of the International Atomic Energy Agency (IAEA), enjoys unique resource advantages in the field of nuclear energy professional education.

The curricula of AES Program include degree courses, elective courses, comprehensive sessions, and practice sessions, as well as visits and internship opportunities to Chinese companies, institutes and bases.

## II. Scholarship Seats

Annual enrollment consists of 25-30 Master candidates and 10-15 Doctoral candidates.

## III. Duration of the Scholarship

- Candidates for Master's degree: 3 years;
- Candidates for Doctoral degree: 4 years;
- The duration of the Scholarship will be defined upon the student's admission to the university, and will not be extended in principle.

## IV. Details of the Scholarship

- Registration fee of 400yuan RMB;
- Tuition fee of 99,000-168,000yuan RMB;
- On-campus accommodation fee of 25,200-52,800yuan RMB;
- Comprehensive Medical Insurance of 800yuan RMB per year;
- Monthly living allowance of 3,000 Yuan RMB for Master degree candidate,  
or 3,500 Yuan RMB for Doctoral degree candidate.

NOTE: The scholarship does NOT COVER international air tickets, transportation, or living expense for family members.

## Application for AES

### I. Eligibility

- The applicants should be citizens of non-Chinese nationality in good health, from emerging nuclear power countries.
- The scholarships are only available to the qualified applicants for the graduate programs in the Nuclear Power Engineering field.
- The applicants should have the knowledge of Mathematics and Physics, and excellent ability in scientific research.
- The applicants should have good English-proficiency in writing, reading and communication.

- Educational background requirement and age limit:
  - The applicants for master degree program should hold a bachelor's degree and be under the age of 35;
  - The applicants for doctoral degree program should hold a master's degree and be under the age of 40.
- The applicants are currently engaged in atomic energy and nuclear power or the relevant sectors will be given high priority in admission.

## II. Application Time

From February 15, 2020 to April 15, 2020.

## III. Application Documents

The applicants must fill in and provide the following documents truly and correctly (all paper documents should consist one original/notarized paper set and one copy set).

- Application Form for Chinese Government Scholarship (<http://studyinchina.csc.edu.cn>). Fill in and print the application form after submitting online. (Please choose Scholarship Category B)
  - The agency number of HEU is 10217.
- HEU On-line Application System (<http://issp.hrbeu.edu.cn>). Fill in and print the application form after submitting online (The personal picture should be with white background only).
- Highest Diploma (notarized photocopy). The applicants who are college students shall be required to provide pre-graduation certificates.
- Transcripts (notarized photocopies in English or Chinese). The applicants for Doctoral degree program are required to submit both transcripts of Bachelor and Master Programs.
- Study Plan (no less than 800 words). The study plan has required format and is suggested to indicate preferred program supervisors from HEU international student admission homepage.
- Passport Copy of Information Page.
- Photocopy of Foreigner Physical Examination Form.
- Recommendation Letters. The applicants should submit two recommendation letters by professors or associate professors in English or Chinese with signatures.

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- English-proficiency Certificate. An applicant, whose native language is not English, should submit an English-proficiency certificate, with a score of at least 80 on the TOEFL Internet-based exam or 5.5 on the IELTS, or equivalent level.
  - Employment Certificate. The applicants who are employed shall be required to submit the employment certificate issued by the employer.
  - Non-criminal Certificate (notarized photocopies in English or Chinese).

NOTE:

- All the application documents will not be returned whether the application is accepted or not.
- If the qualifications or application documents of the applicants cannot meet the requirements are deemed invalid and not accepted.
- The applicants shall be required to inform timely if documents cannot be submitted on time for some reason.
- The university reserves the right to suspend the scholarship upon discovering that there is any inaccurate information or false documents found in the application documents provided by the applicants.

#### **IV. Application Method**

The applicants should submit paper application documents (one original/notarized paper set and one copy set) in time to International Office, Harbin Engineering University.

#### **V. Admission of AES**

All the application documents will be reviewed by Harbin Engineering University. After obtaining the approvals of both China Scholarship Council (CSC) and Ministry of Education (MOE), the applicants can be officially awarded AES.

- The applicants are not allowed, in principle, to change their supervisors, specialties, institutions, or the duration of study specified in the Admission Notice after registration.
- The Admission Notice and Visa Application Form for Study in China (JW201) will be posted by HEU to the relevant dispatching authorities by July 31<sup>st</sup>, so as to have these documents forwarded to the awardees. The scholarship results will be announced in the column of “NOTICE” at HEU

International Student Admission homepage (<http://studyheu.hrbeu.edu.cn>) and at Atomic Energy Scholarship of China homepage (<http://aeschina.hrbeu.edu.cn>).

- The applicants who do not register before September 30<sup>th</sup> are regarded as giving up the scholarship.

## **VI. Research Fields**

- Nuclear safety and simulation
- Nuclear power plant performance and equipment
- Nuclear reactor thermal-hydraulics
- Nuclear reactor physics
- Nuclear fuel cycle engineering
- Radiation detection and protection technology
- Nuclear engineering project management (only for Master candidates)

## **China Atomic Energy Authority**

The China Atomic Energy Authority (CAEA) leads international cooperation with foreign institutes in the nuclear industry. CAEA is responsible for promoting nuclear industry development, R&D and capacity building in nuclear science and technology, nuclear emergency management, and the administration of importing and exporting nuclear materials. CAEA also plays an important role in the global use of peaceful nuclear energy, non-proliferation of nuclear weapons, and promotes relevant domestic enterprises, institutes, and universities' participation and cooperation with the IAEA.

## **The Ministry of Education of the People's Republic of China**

The Ministry of Education of the People's Republic of China (MOE of PRC) is the agency of the PRC State Council that regulates aspects of education, language and culture. The MOE has 19 internal offices and departments, which include the "Secretariat of National Commission of the People's Republic of China for UNESCO". In addition, the MOE directly administers 15 educational social groups and organizations.

## **Harbin Engineering University**

Harbin Engineering University (HEU, formerly Harbin Military Engineering Institute), founded in 1953, is located in Harbin, known in China as the Ice City, near the beautiful Songhua River. HEU is one of the first key universities in the national “211 Project” (to set up 100 national key universities in 21st Century) and the key construction on the Specific Disciplines Innovation Platform (belongs to 985 projects). HEU is listed one of China Double First-class universities.

HEU has 2,937 staff, including 1,803 full-time teachers, 1,062 professors and associate professors, 8 academicians, and about 28,278 students in different levels, including 15,989 undergraduate students, 8,913 postgraduate students and 1,609 international students etc. HEU has developed milestones of China’s first experimental submarine, the hydrofoil, hovercraft, scuba diving lifeboat, duplex manned submersible, dynamic positioning mother ship, the first set of high-tech equipment, full range of nuclear power simulation system. HEU is China’s important personnel training and scientific research base in the fields of Shipbuilding Industry, Marine Equipment, Ocean Exploration, and Nuclear Energy Application.

## Contact us

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HEU Homepage: [www.hrbeu.edu.cn](http://www.hrbeu.edu.cn)

International Student Admission Homepage: <http://studyheu.hrbeu.edu.cn>

AES of China Homepage: <http://aeschina.hrbeu.edu.cn>



哈爾濱工程大學  
Harbin Engineering University



哈爾濱工程大學  
留學生在綫申請

HEU Student On-line Application



哈爾濱工程大學  
留學生招生網站

HEU STUDENT ADMISSION WEBSITE

