ECUT-IAEA Program Guide

1. Overview of ECUT - IAEA Program

The program is a high degree academic education program jointly organized by East China University of Technology (ECUT) and the International Atomic Energy Agency (IAEA) in a cost-sharing manner.

The program is meant to meet the needs of the member states of the IAEA to educate professionals in the fields of nuclear technology application, uranium mining and metallurgy, nuclear safety, radiation protection, and nuclear waste disposal. For master's or doctoral degree candidates, combined with the traditional strengths culture including uranium metallogenic theory and metallogenic prediction models, nuclear resource exploration methods and technologies, uranium mining environmental standards, nuclear waste treatment and geological disposal methods, etc. The goal of the project is to cultivate the future managers, leaders and decision-makers in the nuclear energy sector.

Through the recommendation of the IAEA, the ECUT recruits 5-10 candidates every year who work in nuclear energy or related fields, show interest in studying scientific uranium mining and metallurgy technology, nuclear safety and radiation protection technology and aim at maintaining global security and promoting the establishment of a Community of Shared Future for Mankind.

1. Brief Introduction to ECUT

The ECUT is a comprehensive university jointly established by the Jiangxi Government and the China Atomic Energy Association (CAEA), the Ministry of Natural Resource (MNR), and the China National Nuclear Corporation (CNNC). It focuses on science and technology education, while also covering disciplines such as economics, management, humanities, law, education, and arts. Disciplines such as Chemistry, Engineering, and Earth Science at the ECUT are ranked in the top 1% globally according to the ESI (Essential Science Indicators) ranking. The ECUT has established more than 30 high-level scientific research platforms, including national key laboratories, international joint research centers, and the Reference Laboratory of the IAEA. It undertakes international scientific and technological cooperation projects, international conferences, and talent development tasks. It has conducted teacher training and exchange student programs with universities and research institutes in the United States, Germany, Ireland, Australia, Czech Republic, Hungary, Poland, and other countries. Every year the ECUT - IAEA admits 5-10 applicants with outstanding academics and global vision in of Nuclear Science, Earth Science and relative fields, who are willing to further their studies in China and to make contributions to the cooperation between China and their motherlands.

ECUT is home to over 300 students drawn from more than 40 countries. ECUT offers a friendly and welcoming community where students can get involved in their favorite activities and try new ones. Students can choose from associations of the university and activities, such as sports competition, New Year's Party, tourist visits to Chinese cultural and historic sites, etc. Students are encouraged to participate in various extracurricular activities, so that they can achieve a well-rounded development.

For more details, please visit: www.ecut.edu.cn

1. Brief Introduction to IAEA

The IAEA is the world's central intergovernmental forum for scientific and technical cooperation in the nuclear field. As the world's Atoms for Peace and Development organization within the United Nations family, it works for the safe, secure and peaceful uses of nuclear science and technology, contributing to international peace and security and the United Nations' Sustainable Development Goals.

The objectives of the IAEA's dual mission – to promote and control the Atom – are defined in Article II of the IAEA Statute. The Agency shall seek to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world. It shall ensure, so far as it is able, that assistance provided by it or at its request or under its supervision or control is not used in such a way as to further any military purpose.

The IAEA has 178 Member States and is governed by Board of Governors and General Conference. The IAEA is headquartered in Vienna, Austria. and has two regional offices located in Toronto, Canada and Tokyo, Japan, as well as two liaison offices in New York City, United States of America and Geneva, Switzerland. The Agency runs laboratories specialized in nuclear technology in Vienna and Seibersdorf, Austria, and, in Monaco.

For more details, please visit: https://www.iaea.org/about/overview

1. ECUT - IAEA Program Features

•A 3-year academic master's degree program (English as Media of Instruction);

•A 4-year academic doctoral degree program (English as Media of Instruction);

•Co-supported by East China University of Technology(ECUT) and the International Atomic Energy Agency(IAEA).

•Full scholarship sponsored by the ECUT and the IAEA (covering tuition, accommodation, living

* Unique Inter-cultural exposure and experience in China and collaboration with ECUT - IAEA;

•Annual Intake: 5-10

1. ECUT-IAEAPROGRAM

|  |  |  |
| --- | --- | --- |
| Program Categories | Field | Duration |
| Doctoral Program | Geological Resource & Engineering | 4 years |
| Nuclear Science &Technology |
| Master's Program | Geological Resource & Engineering | 3 years |
| Chemistry |
| Environmental Science and Engineering |

※ The duration of the Scholarship will be defined upon the student's admission to the university and will not be extended in principle.

1. Relevant Expenses

|  |  |  |  |
| --- | --- | --- | --- |
| **Level** | **Expense Category** | **Fee (RMB/Year)** | **Provided By** |
| Master  (3 years) | Living Allowance  (ECUT Scholarship coverage) | 18,000/person | ECUT |
| Administration | 1,000/person |
| Registration | 500/person |
| Miscellaneous  (Activities and others) | 4,200/person |
| **Sub-total** | 23,700/person |
| Tuition | 20,000/person | IAEA |
| Accommodation | 7,200/person |
| Medical Examination | 500/person |
| Resident Permit | 500/person |
| Insurance | 800/person |
| Sub-total | 29,000/person |
| TOTAL | 52,700/person | ECUT+IAEA |
| Doctoral  (4 years) | Living Allowance  (ECUT Scholarship coverage | 21,400/person | ECUT |
| Administration | 1,000/person |
| Registration | 500/person |
| Miscellaneous | 4,200/person |
| (Activities and others) |
| **Sub-total** | 27,100/person |
| Tuition | 30,000/person | IAEA |
| Accommodation | 7,200/person |
| Medical Examination | 500/person |
| Resident Permit | 500/person |
| Insurance | 800/person |
| Sub-total | 39,000/person |
| TOTAL | 66,100/person | ECUT+IAEA |

VII. Curricula

As stipulated by the Ministry of Education of China, universities are obligated to administer the education of international students in accordance with established regulations. Consequently, the curriculum system has been meticulously categorized into two divisions: degree courses and non-degree courses. These encompass commonly prescribed courses, professional foundational courses, mandatory specialized courses, elective specialized courses, supplementary studies, and self-directed learning modules.

Furthermore, postgraduate students are mandated to dedicate a portion of their time to engaging in frontline scientific research and production endeavors, thereby acquiring practical experience. Additionally, they are encouraged to participate in national or international academic conferences to present their theses or deliver lectures.

For specific information please visit:

<https://eng.ecut.edu.cn/9374/list.htm> （Master)

<https://eng.ecut.edu.cn/9375/list.htm> (PhD)

**Application for ECUT - IAEA Program**

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 recommended by the IAEA.

·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:

-The applicants for master's degree program should hold a bachelor's degree;

-The applicants for doctoral degree program should hold a master's degree.

**Application Time**

From January 15, 2026, to April 15, 2026.

**Application Documents**

1. The applicants must fill in and provide the documents truly and correctly.
2. Applicants can apply and submit the application materials through Online Application Systemand send a copy of the application materials to lzhou@ecut.edu.cn.

Website: <https://fzprb.ecut.edu.cn/>

Account:12252265@qq.com,

code: Ecut123456@

1. The application materials are as follows:

(1)The highest official diploma(notarized photocopy) of Bachelor program/ Master program.

(2)Transcripts(notarized photocopies in English or Chinese).The applicants for Doctoral degree program are required to submit both transcripts of Bachelor and Master Programs.

(3)Study/ Research Plan.

(4)Copy of Passport Information Page.

(5)Photocopy of Foreigner Physical Examination Form and copies of blood test reports.

(6)Recommendation Letters. The applicants should submit two recommendation letters by professors or associate professors in English or Chinese with signatures.

(7)English-proficiency Certificate. An applicant, whose native language is not English, should submit an English-proficiency certificate, with a score of at least 75 on the TOEFL Internet-based exam or 5.5 on the IELTS, or English proficiency certificate with equivalent level from home university.

(8)Non-criminal Certificate (notarized photocopies in English or Chinese).

East China University of Technology will check the admission qualification, materials and professional level of the applicants, and send the approved list to the IAEA who will determine the name-list of funding. International School of East China University of Technology will issue the admission notice, handle relevant recruitment procedures, and mail JW202 form to applicants themselves.

**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.

The applicants who do not register before September 30th are regarded as giving up the scholarship.

**Geological Resource & Engineering**

**(Doctoral Program)**

This discipline, rooted in 1956 with key majors in radioactive geological survey and exploration, is a key discipline of the Ministry of Nuclear Industry and Jiangxi province. In 2021, it gained doctoral degree-awarding power in four second-level disciplines. Focusing on China's nuclear power and local development needs, it excels in uranium and non-ferrous metal resource exploration. With unique research directions and platforms like State Key Laboratories, it boasts National Defense Science and Technology Innovation Teams. Two majors have passed International Engineering Education Certification and are recognized as top-tier construction majors.

For specific information please visit:

<https://eng.ecut.edu.cn/cc/19/c9382a117785/page.htm>

**Nuclear Science &Technology**

**(Doctoral Program)**

This discipline, established in 1956with a focus on Radioactive Geophysics Exploration, has evolved to offer postgraduate studies in Nuclear Technology and Applications since1993. It gained master's degree-granting status in 2000 and doctoral degree-granting status in Nuclear Science and Technology in 2021. The discipline, rooted in the nuclear energy industry, features research in Nuclear Technology, Radiation Protection, and Nuclear Fuel Cycle. East China University of Technology excels in uranium exploration, nuclear electronics, and high-level radioactive waste disposal, with notable achievements filling gaps in China and leading in clay rock geological disposal research.

For specific information please visit:

https://eng.ecut.edu.cn/cc/18/c9382a117784/page.htm

**Geological Resource & Engineering**

**(Master's Program)**

Originating from China's earliest Radioactive Geology and Exploration specialty, this discipline is renowned as "The Cradle of Nuclear Geology Talents" and "Precious Wealth of Atomic Energy." It has cultivated numerous uranium geology experts and developed five research areas: Mineral Survey, Exploration Geophysics, Earth Information Technology, Geological Engineering, and Tourism Geoscience. With platforms like the State Key Laboratory of Nuclear Resources and Environment, it focuses on uranium and radioactive mineral geology, exploring metallogenic models, prospecting techniques, and 3D geological modeling. The discipline also addresses geological engineering challenges in hydrogeology, engineering geology, uranium processing, and high- level radioactive waste repository site selection.

For specific information please visit:

https://eng.ecut.edu.cn/9380/list.htm

**Environmental Science & Engineering**

**(Master's Program)**

Founded in 1998, this discipline integrates Environmental Monitoring with Radiation Science and Applied Chemistry (Environmental Chemistry), earning master's degrees in these fields in 2004 and 2006, respectively. In 2010, it achieved a master's degree in Environmental Science and Engineering. As a characteristic and brand specialty of Jiangxi province, it excels in environmental treatment, restoration, mining, metallurgical biotechnology, purification materials, and radionuclide transfer. Research focuses on environmental pollution and remediation, radioactive contamination prevention, and functional materials for pollutant removal. It also explores soil pollution, radionuclide and heavy metal transport, and develops efficient remediation models. Additionally, the discipline builds an acidophilic microbial species library and develops green recovery processes for uranium and copper mine tailings.

For specific information please visit:

<https://eng.ecut.edu.cn/9379/list.htm>

**Chemistry**

**(Master's Program)**

Founded in 1959, this top-ranked Jiangxi discipline is among the top 1% globally in ESI rankings and includes five secondary disciplines. It boasts the Department of Applied Chemistry, a key laboratory, and a provincial analysis center. With two provincial innovation teams, it has undertaken 200+ research projects, funded by various sources including the Ministry of Science and Technology and the National Natural Science Foundation, totaling nearly100 million yuan. The discipline has won multiple prizes and focuses on new materials, new energy, and other strategic industries. It also hosts high-level research platforms and key facilities, including the"111"Project and an international joint research center.

For specific information please visit:

https://eng.ecut.edu.cn/9378/list.htm

Contact：Ms. ZHOU Ling

E-mail：lzhou@ecut.edu.cn / [zhoulfao@yeah.net](mailto:zhoulfao@yeah.net)

Tel:0086-791-83822884

Web： https://eng.ecut.edu.cn/IAEAProgram/list.htm