

# **Announcement for the Enrollment of Masteral Degree Candidates at Shanghai Institute of Ceramics, Chinese Academy of Sciences in 2024**

**Shanghai Institute of Ceramics, Chinese Academy of Sciences**

## **I. Overview**

The Shanghai Institute of Ceramics of the Chinese Academy of Sciences (SICCAS), originated from the Engineering Research Institute of the National Central Research Academy established in 1928. It was renamed the Institute of Metallurgy and Ceramics of the Chinese Academy of Sciences in 1953. In 1959, it became an independent institute named the Institute of Silicate Chemistry and Engineering of the Chinese Academy of Sciences. In 1984, it was renamed the Shanghai Institute of Ceramics of the Chinese Academy of Sciences. After more than 90 years of development, SICCAS has become a research institution for inorganic non-metallic materials that integrates frontier materials exploration, high-tech innovation, and applied research and development. It has formed a relatively complete scientific research system with “basic research - applied research - engineering and industrialization research” integrated organically.

Currently, there are 750 staff members, including 634 professional technicians. There is 1 member of the Chinese Academy of Sciences, and 3 members of the Chinese Academy of Engineering (as of the end of 2022).

The research institutions include the State Key Laboratory of High Performance Ceramics and Superfine Microstructure, the CAS Key Laboratory of Inorganic Coatings, the CAS Key Laboratory of Transparent Opto-functional Inorganic Materials (Artificial Crystal Research Center and Transparent Ceramics Center), the CAS Key Laboratory of Inorganic Function Materials and Devices (Information Functional Materials and Devices Research Center), the CAS Key Laboratory of Materials for Energy Conversion (Shanghai Inorganic Energy Materials and Power Engineering Technology Research Center), the CAS Key Laboratory of Advanced Structural Ceramics and Ceramic Matrix Composites (Structural Ceramics and Composites Engineering Research Center), Biomaterials and Tissue Engineering Research Center, Ancient Ceramics and Industrial Ceramics Engineering Research Center (State Administration of Cultural Heritage Key Research Base for Ancient Ceramics Science, Ministry of Culture Key Laboratory for Ancient Ceramics Multimodal Information Extraction Technology and Application), Pilot Base, and Inorganic Materials Analysis and Testing Center.

The academic disciplines are Advanced Inorganic Materials Science and Engineering, covering major research areas such as high-performance structural ceramics, functional ceramics, transparent ceramics, ceramic matrix composites, artificial crystals, inorganic

coatings, energy materials, biomaterials, ancient ceramics, and advanced inorganic material performance testing and characterization, etc. SICCAS has the most complete categories of research among similar institutions in China..

Focusing closely on the CAS “Pioneer Initiative”, Shanghai Science and Technology Innovation Center construction, key application areas such as advanced manufacturing, energy, information, environment and health, national defense industry, SICCAS has achieved a series of research results with important influence in basic and forward-looking research, high-tech research, industrialization of key technologies and transformation of achievements. It has made important contributions to national security, national economic construction, and social progress. Over the years, SICCAS has accumulated nearly 1,200 scientific and technological achievements, won 429 national, Chinese Academy of Sciences, and Shanghai municipal science and technology awards, including 30 National Invention Awards, 9 National Natural Science Awards, and 16 National Science and Technology Progress Awards. It has applied for 4,528 patents and has been granted 2,668 patents (as of the end of 2022).

SICCAS has advanced research conditions and has established the Changning Campus, Jiading Campus, and Taicang Campus, forming a complete scientific and technological industry development system of "external exchange window - new materials R&D center - industrial incubation base". The support of the Knowledge Innovation Program and Key Laboratory construction funds has promoted the modernization of scientific research equipment. The establishment of the national inorganic materials testing center ensures the reliability and authority of materials performance and characterization. The journal Inorganic Materials, sponsored and published by SICCAS, has entered the core academic journals, and has been selected as “China's International Influence Academic Journals” for many consecutive years. NPJ Computational Materials, co-published with Nature Publishing Group, is the first “Nature Partner Journal (NPJ)” in China, and has been included in SCI, DOAJ, Scopus, etc. In 2021 its SCI impact factor was 12.256, ranking 33rd among 346 journals of the same category internationally, entering the top 10%.

## **II Graduate Education**

The Shanghai Institute of Ceramics (SICCAS) is one of the first institutions approved to recruit graduate students in China. Currently, it has admitted a total of over 3,000 graduate students. It offers two primary disciplines: Materials Science and Engineering, and Chemistry, as well as a full-time professional master's degree program in Materials and Chemical Engineering. The institute has 167 on-duty supervisors, including 92 doctoral supervisors, and has 505 enrolled graduate students, including 294 doctoral students. In 2024, the institute plans to enroll approximately 95 master's students (including academic degree and professional degree programs) and around 78 doctoral students (including integrated master's and doctoral programs and direct doctoral programs).

SICCAS has established a database of quality courses for master's students to better guide their course selection and lay a foundation of fundamental knowledge for their scientific research.

It offers four doctoral courses, including “Advanced Inorganic Materials Science and Engineering,” and fourteen master’s courses, including “Semiconductor Physics” and “Fundamentals of Materials Preparation Science.” At the end of each year, all graduate students are assessed to evaluate their learning progress and scientific research achievements, promote their work, and provide professional guidance. The assessment results also serve as the basis for determining the recipients of the Outstanding Student Aid for the following year.

Every year, SICCAS implements the “Graduate Science and Technology Innovation Achievement Cultivation Program,” which provides funding support for cultivating outstanding research achievements and supports students’ participation in international academic activities. It holds academic exchange seminars in English for graduate students every semester to improve their English academic communication skills and overall qualities. The institute also organizes various lectures to enhance students’ innovation and English scientific paper writing abilities.

SICCAS actively organizes and recommends various outstanding student projects, achieving good results and effectively promoting the quality improvement of graduate student awards. The awards received include the Outstanding Doctoral Dissertation of CAS, CAS President’s Special Award, CAS President’s Excellence Award, Zhu Li Yuehua Outstanding Doctoral Student Award and Outstanding Supervisor Award, Baogang Outstanding Student Award, Yan Dongsheng Scholarship, National Scholarship, CAS Three Good Students, Outstanding Student Cadre, Three Good Student Model, Outstanding Graduate, Beijing Outstanding Graduate, Shanghai Outstanding Graduate, etc.

SICCAS collaborates with renowned universities and research institutions in the United States, Japan, Germany, the United Kingdom, France, Australia, Russia, and other countries. With the institute’s increasing external exchanges, the number of graduate students participating in international exchanges continues to grow. Each year, more than 20 graduate students attend international conferences, and over 10 graduate students engage in joint training programs abroad. Additionally, the institute organizes annual seminars for sharing experiences of studying abroad, providing meaningful guidance for graduate students interested in further studies or participating in international conferences.

SICCAS provides various recruitment information and organizes recruitment presentations by companies and organizations to facilitate graduate students’ employment. It publishes information about job fairs and nearby universities’ employment presentations and invites alumni who are already employed to share their experiences. Every year, all graduating students have confirmed employment plans. In the past two years, among the graduates, 62% entered the industry, 11% joined research institutes and public institutions, 15% pursued postdoctoral positions, 4% went abroad, and 7% entered universities.

SICCAS provides well-equipped facilities, including study areas, sports facilities, recreational activities, and graduate student apartments, to support the learning, sports, entertainment, and living needs of its graduate students. It offers national scholarships, graded scholarships, and research assistant allowances. The monthly awards for master’s students range from 3,000 to

5,000 RMB, while doctoral students receive monthly awards ranging from 4,000 to 7,000 RMB. Various named scholarships are also available for application.

With a strong academic atmosphere and flexible disciplinary environment, SICCAS is an ideal choice for scientific research.

SICCAS warmly welcomes outstanding students to apply, including those majoring in physics, chemistry, materials, energy, biology and related interdisciplinary fields, to contribute together to China's materials science endeavors!

## **the 2024 Master's Degree Admissions Brochure for the Shanghai Institute of Ceramics, Chinese Academy of Sciences**

### **I Training Objectives**

For academic Master's degree students, the aim is to cultivate comprehensive development, patriotism, law-abidingness, and a sense of social responsibility. They should have a solid foundation in the discipline, a systematic understanding of specialized knowledge, the ability to engage in scientific research, teaching, management, or independent specialized technical work, and possess innovative spirit and capabilities as high-level academic professionals.

For professional Master's degree students, the program is designed to meet the needs of society, adapt to the forefront of science and technology, and cater to the development and innovation of engineering and technology. The training aims to cultivate comprehensive development, patriotism, a solid foundation in relevant professional fields, broad professional knowledge, strong problem-solving abilities, the capacity to undertake professional technical or management work, and possess high-level applied professional talents with good professional ethics.

### **II Admission Requirements**

The admission and examination for academic Master's degree students and professional Master's degree students follow the model of "separate admission plans, categorized registration and examination, and separate determination of admission criteria."

1. To register for the National Postgraduate Entrance Examination (including academic Master's and professional Master's degrees), applicants must meet the following conditions:

(1) Citizens of the People's Republic of China.

(2) Support for the leadership of the Communist Party of China, correct political orientation, love for the country, adherence to discipline and laws, and good moral character.

(3) Physically healthy and meet the specified medical examination requirements.

(4) Applicants' academic qualifications must meet one of the following conditions:

(a) Recent graduates with nationally recognized academic qualifications (including graduates from regular universities, adult education colleges, and adult higher education organized by regular universities). By September 1, 2024, they must have obtained a nationally recognized undergraduate diploma, or a "Certificate of Academic Degree for Overseas Education" issued by the Ministry of Education's China Service Center for Scholarly Exchange. Also, those who are expected to graduate from self-study examinations or online education by the time of enrollment.

(b) Individuals who have obtained a nationally recognized undergraduate degree.

(c) Individuals who have obtained a Master's or Ph.D. degree.

(d) Individuals who have the same academic qualifications as undergraduate graduates. The following applicants can apply as equivalent to undergraduate graduates and must meet the specific academic requirements proposed by the admitting unit based on the training objectives:

① Individuals who have graduated from a nationally recognized higher vocational college for at least 2 years (from graduation to September 1, 2024) or have more than 2 years of work experience.

② Individuals who have completed their undergraduate studies with nationally recognized qualifications.

(5) Additional requirements for applicants with equivalent academic qualifications: They must have obtained qualified grades in at least 8 core courses in their undergraduate major.

2. Current graduate students who wish to apply must obtain written consent from the academic institution's enrollment management department before registering.

3. Applicants for the high-level backbone talent plan for ethnic minorities must meet the admission requirements, source range, enrollment targets, and qualification review according to the relevant policies of the Ministry of Education. If recommended exemption candidates meet the requirements for the high-level backbone talent plan for ethnic minorities, they can also apply for exemption through this special plan.

4. Applicants for the special plan for retired college students and soldiers must be college students who have enlisted and left active service and meet the admission requirements for Master's degree study. College students refer to full-time ordinary undergraduate (including higher vocational) and graduate students, second bachelor's degree graduates, current students, and new students admitted by adult colleges for regular undergraduate (higher vocational) programs. When registering online, applicants should select the "Special Plan for Retired College Students and Soldiers" and provide information about their enrollment before joining the military, as well as relevant information about enlistment and discharge. If recommended exemption candidates meet the requirements for the special plan for retired college students and soldiers, they can also apply for exemption through this special plan.

5. Our institute accepts outstanding recent graduates from higher education institutions who have the qualification for recommended exemption. All accepted recommended exemption candidates must participate in online registration through the “National Recommended Exemption for Graduate Study (Exempt from Preliminary Examination, Transfer Segment) Information Publicity and Management Service System” of the Ministry of Education’s China Graduate Admissions Information website (<http://yz.chsi.com.cn/tm>) within the specified national timeframe and complete the relevant procedures for interview notices and admission notifications. Recommended exemption candidates who have not been assigned to a receiving unit by the specified date will no longer retain their recommended exemption qualification. Recommended exemption candidates who have been accepted are not allowed to register for the national Master’s degree unified examination in the same year. Otherwise, their recommended exemption admission qualification will be canceled.

### **III Registration**

Before registering, candidates should carefully check whether they meet the eligibility criteria. During the stages of admission examination and interview, the eligibility of candidates will be reviewed. Candidates who do not meet the eligibility criteria will not be allowed to take the examination, interview, or be admitted, and they will be responsible for any consequences.

All candidates must register online. The registration process includes two stages: online registration and online confirmation (on-site confirmation). Candidates are required to confirm their online registration information and provide their personal photo images and other relevant electronic information either online or at the registration site, and also pay the registration fee as specified.

#### **1. First Stage: Online Registration**

Candidates should register online within the specified time set by the Ministry of Education. There will be no opportunity for supplementary registration or modification of registration information after the deadline. The registration website is the China Graduate Admissions Information website (<https://yz.chsi.com.cn/> or <https://yz.chsi.cn>). The specific online registration period is from October 8th to October 25th, 2023, from 9:00 to 22:00 daily. The online pre-registration period is from September 24th to September 27th, 2023, from 9:00 to 22:00 daily. The information filled in during the pre-registration period is valid and does not need to be repeated during the formal registration period, but it can be modified and improved at any time.

After logging into the online registration system, candidates must carefully read the online registration announcement issued by the provincial education examination institutions, admissions units, and registration sites. They must also check the relevant announcements on our website and fill in the registration form as required.

Candidates who fail to register according to the announcement, provide incorrect or false information, or miss the deadlines for online registration, fee payment, online confirmation (on-site confirmation), or examination will be responsible for the consequences.

Candidates should truthfully and accurately fill in the online registration information and provide authentic application materials as required. It is particularly important to accurately fill in information such as name, gender, ID number, and academic background in the online registration form.

During the online registration period, the online registration system will verify the candidates' academic background information. Candidates can check the verification results online. Candidates can also log in to the "China Higher Education Student Information Website" (<https://www.chsi.com.cn>) before or during the registration period to check their academic background information.

Candidates who fail the online verification of their academic background information should complete the verification within the specified time set by our institution.

When filling in the information for the certificate number of the academic background certificate during online registration, please pay special attention to the following:

(1) For domestic regular university graduation certificates, fill in the "certificate number." If there are two numbers on the graduation certificate, fill in the "certificate number" on the right side of the certificate. It is generally a numeric code with more than 16 digits, with the first 5 digits being the code of the university that issued the certificate. Do not fill in the certificate serial number (such as No.\*\*\*\*). If the original graduation institution is not listed in the selectable list of the graduation school in the online registration system due to renaming or other reasons, please select "Others" in the graduation school column and manually enter the name of the original graduation school (the name stamped on the graduation certificate).

(2) For the information of the certificate number of foreign academic degrees, you should fill in the certification report number of the "Certificate of Foreign Academic Degree" or the "Certificate of Academic Degree of Hong Kong, Macao Special Administrative Region" or the "Certificate of Academic Degree of Taiwan Region" issued by the China Service Center for Scholarly Exchange. For example, if the certification report number is: Jiaoliufurenying [2018] 20001.

When applying to our institution, candidates should select "Beijing" as the "location of the admitting unit" and choose "14430 University of Chinese Academy of Sciences" as the "admitting unit." In the "school/department name" column, select "040 the Shanghai Institute of Ceramics" and then choose the desired major for application.

Choice of registration site: Fresh graduates should choose the registration site designated by the provincial education examination institution in the location of their school for online registration and online confirmation (on-site confirmation) procedures. Other candidates should choose the registration site designated by the provincial education examination

institution in the location of their household registration or workplace for online registration and online confirmation (on-site confirmation) procedures.

During the registration period, the online registration system will verify the candidates' academic background information. Candidates can check the verification results online. Candidates who fail the academic background verification should promptly go to the authoritative certification institution for academic background verification to submit the certification report for verification at the registration site during the confirmation process.

Candidates must remember their username and password used for online registration, as they will be required to log in with this information for printing the admission ticket and online adjustment, among other processes.

Candidates applying for the Minority High-level Talents Program should fill out the "Registration Form for Minority High-level Talents Program Master's Degree Candidates in 2024" issued nationwide, and have it reviewed, stamped, and approved by the Education Department (Education Commission) Minority Education Division (Higher Education Division) of their original province, autonomous region, or municipality directly under the central government. Then, they can obtain the online registration verification code from the provincial education examination authority in the location of the chosen registration site before proceeding with online registration. The registration period and method are the same as for regular master's degree candidates. In the "Special Plan" section of the online registration system, candidates should select the "Minority Elite Plan."

## 2. Section 2: Second Stage: Online Confirmation (On-Site Confirmation)

(1) Confirmation Time: All candidates must carefully check the online confirmation (on-site confirmation) announcements issued by the registration site where they applied. The specific confirmation time will be stated in the announcements. Candidates must participate in the online confirmation (on-site confirmation) within the specified time at the chosen registration site and will not be allowed to make up for it if they miss the deadline.

(2) Confirmation Procedures: During the online confirmation (on-site confirmation), candidates must provide their valid resident identity card, academic degree certificate (for fresh graduates, a student ID card is required), and other materials, as well as the online registration number. Candidates should follow the requirements stated in the registration site's announcement to complete the online confirmation (on-site confirmation) procedures.

Candidates applying for the Special Plan for Retired Soldiers and College Students should provide their "Enlistment Approval" and "Discharge Certificate" during the confirmation process, following the requirements stated in the registration site's announcement.

(3) Candidates must pay the registration fee as required. The payment method for the registration fee should follow the instructions provided by the chosen registration site during the online registration.

(4) Candidates should cooperate with the registration site to collect their personal images and other relevant electronic information as specified.

(5) Candidates must confirm that their online registration information is accurate and correct.

### 3. Other Important Matters for Registration

(1) Recommended exempted candidates must complete the online registration and pre-admission procedures in a timely manner through the “Recommendation and Exemption Service System” of the Ministry of Education within the specified time set by the Ministry of Education. Recommended exempted candidates admitted through the Ministry of Education's recommendation and exemption service system do not need to participate in online confirmation (on-site confirmation) and are not allowed to register for the National Unified Examination for Master's Degree.

(2) Candidates applying for regular admissions can only choose one major from one institute or department. After the preliminary examination, for candidates who reach the national minimum score for the second round and are not admitted to their original chosen unit or major, they may voluntarily apply for adjustment according to the adjustment policy.

(3) Before the deadline for online registration, candidates can modify their online registration information by themselves. It is crucial to ensure the accuracy and correctness of the information. During the confirmation period, candidates must carefully check and confirm their registration information. Once the online confirmation (on-site confirmation) is completed, no modifications can be made to the registration information during the qualification review, examination, interview, and admission stages. Candidates are solely responsible for any consequences caused by incorrect information provided.

(4) The Ministry of Education divides the country into different regions (Zone 1 and Zone 2) to determine the minimum score for the second round of the examination. Our institute follows the Zone 1 minimum score.

(5) For candidates applying for the Minority High-level Talents Program, the information provided during registration cannot be changed after the registration period ends.

(6) Candidates must accurately fill in personal information, especially the information regarding any disciplinary actions or penalties received during previous national educational examinations due to violations or cheating. Serious actions will be taken against those who falsify information in accordance with the “Measures for Handling Violations of National Educational Examinations” and the “Interim Measures for Handling Violations of General Higher Education Enrollment.”

(7) After the online registration and confirmation process, our institute will conduct a comprehensive review of the candidates' registration information and allow eligible candidates to take the examination. If there are doubts about the candidates' academic qualifications or enrollment status, candidates may be required to provide authoritative certification within the

specified time before being allowed to take the examination. If fraudulent documents are discovered during the review process, the documents may be confiscated. Candidates who do not meet the eligibility criteria after the review will not be allowed to take the examination.

(8) During the online registration, candidates must carefully fill in and verify important information such as their name, gender, ethnicity, ID number, category of application (preferred enrollment or non-preferred enrollment), examination subjects, academic degree certificate number, and study mode (full-time or part-time). Once confirmed, the registration and admission information cannot be changed, and the relevant information will be reported to the Beijing Education Examination Institute and the Ministry of Education. The university will not accept any requests from candidates to modify their information.

(9) Candidates must sign the “Candidate Integrity Examination Commitment Letter” and abide by the relevant provisions and requirements.

(10) Candidates applying for the Minority High-level Talents Program must send the “Registration Form for Minority High-level Talents Program Master’s Degree Candidates in 2024,” which has been reviewed and stamped by the Minority Education Division (Higher Education Division) of the Provincial Education Department (Education Commission), directly to the Graduate Department of the Shanghai Institute of Ceramics, Chinese Academy of Sciences. To ensure the qualification review process is not delayed, candidates should not send the form to the Admissions Office of the University of Chinese Academy of Sciences.

#### **IV Preliminary Examination**

1. Online printing of admission tickets: Candidates can download and print the “Admission Ticket” by logging into the online registration system of the China Graduate Admissions Information website using their online registration username and password, approximately 10 days before the examination. The “Admission Ticket” should be printed on A4-sized white paper, and no alterations or writings are allowed on both sides during its use. Candidates must bring the downloaded and printed “Admission Ticket” along with a valid resident identity document to participate in the preliminary examination and interview.

2. Preliminary examination dates: The national unified preliminary examination, as specified by the Ministry of Education, will be held from December 23rd to 24th, 2023 (8:30-11:30 in the morning and 14:00-17:00 in the afternoon). The examination time is based on Beijing time. National recognition of the master’s degree entrance examination will not be granted for exams held on dates other than the designated ones.

3. Preliminary examination venues: The designated examination centers announced by the chosen application points should be followed.

4. Preliminary examination subjects: The preliminary examination consists of four subjects: Ideological and Political Theory, Foreign Language, Foundation Course, and Professional Foundation Course. Each subject has a duration of 3 hours. The maximum score for Ideological and Political Theory and Foreign Language is 100 points each, while the Foundation Course

(including the unified mathematics examination) and Professional Foundation Course have a maximum score of 150 points each. The specific examination subjects can be found in the professional directory of our institute. Ideological and Political Theory, English (Part I), and Mathematics (Part II) use nationally unified test papers, while other examination subjects are organized by the University of Chinese Academy of Sciences.

5. Candidates can check their preliminary examination scores through the Graduate Admissions Information website of the University of Chinese Academy of Sciences.

## **V Interview**

1. The interview will be organized and conducted by our institute.

2. Based on the candidates' preliminary examination scores, our institute will determine the interview list from high to low scores and conduct selective interviews. The specific proportion of selective interviews and the weighting of preliminary and interview scores will be determined before the interview.

3. The interview list, as well as the interview time, venue, subjects, and format, will be announced to the candidates on our institute's website.

4. Before the interview, our institute will conduct a strict review of the interviewees' valid identity documents, academic certificates, student ID cards, and other documents submitted during the registration process. Candidates who do not meet the requirements will not be eligible for the interview. If there are still doubts about the candidates' academic qualifications (enrollment status), they may be required to provide authoritative certification within the specified time.

5. The interview includes assessments of professional competence, comprehensive qualities, moral character, English listening, and speaking abilities, among other aspects.

6. Equivalent academic qualifications candidates will be required to take additional exams during the interview stage. The additional exam should include at least two core undergraduate courses (closed book written exams), with each subject having a duration of 3 hours and a maximum score of 100 points. The specific time and venue for the additional exams will be notified by our institute. Candidates who fail to pass the additional exams (i.e., score below 60 points) will not be admitted.

7. Candidates who fail to achieve a passing score in the interview (i.e., score below 60 points) will not be admitted.

## **VI Assessment of Ideological and Political Character and Physical Examination**

The assessment of moral character is an important part of the interview. It mainly evaluates the candidate's political attitude, ideological expression, learning/work status, moral qualities, adherence to discipline and law, honesty, and trustworthiness. The physical examination will be conducted in a second-class Grade A or above hospital. The physical examination standards

should follow the “Guidelines for Physical Examination in Ordinary Higher Education Institutions” issued by the Ministry of Education, the Ministry of Health, and the China Disabled Persons’ Federation (Teaching [2003] No. 3), as well as the notices issued by the Ministry of Human Resources and Social Security, the Ministry of Education, and the Ministry of Health regarding the standardization of physical examination projects for admission and employment and the rights of hepatitis B surface antigen carriers in admission and employment (MOHRSS [2010] No. 12) and the “Notice on the Cancellation of Hepatitis B Testing in Physical Examination for Enrollment of Students in Ordinary Higher Education Institutions” issued by the Office of the Ministry of Education and the Office of the Ministry of Health (Teaching Office [2010] No. 2). Our institute will propose specific physical examination requirements based on the actual situation of our institution. New students are required to undergo a reexamination after enrollment.

## **VII Admission**

Our institute will determine the admission list based on the national enrollment plan, candidates’ examination scores (including preliminary and interview scores), as well as their moral character assessment and physical health condition. Candidates who fail the moral character assessment or physical examination will not be admitted. All admitted candidates must follow the relevant requirements of the Ministry of Education for information disclosure. Prospective master’s students who have not been publicly announced cannot be admitted.

For directed employment master’s students, a tripartite agreement for directed training must be signed before admission. Directed students are required to work at the designated unit according to the agreement upon graduation and will not be subject to employment dispatch. Directed employment students will not transfer their household registration, personnel files, or salary relationships.

Admitted candidates who are recent graduates of undergraduate programs, self-taught examination candidates, or candidates from online education programs must present the original undergraduate diploma during registration. By September 1, 2024, they must obtain a nationally recognized undergraduate diploma, or a “Certificate of Recognition of Overseas Education Qualifications” issued by the China Service Center for Scholarly Exchange. Candidates who fail to obtain an undergraduate diploma by September 1, 2024, or cannot provide the original undergraduate diploma, will have their admission qualifications invalidated.

Admitted candidates must report to the designated location according to the requirements and dates specified in the admission notice for registration. If there are special reasons for not being able to report on time, relevant certificates should be provided, and a written leave application should be submitted to our institute. After approval, the registration can be postponed. Candidates who fail to report without valid reasons for more than 10 working days or fail to report within 10 working days after an unapproved leave request will have their admission qualifications canceled.

## **VIII Transfer**

Candidates who have applied to our institute and meet the national transfer requirements will be given priority for adjustment within the Chinese Academy of Sciences system. The specific adjustment policies will be implemented according to the relevant requirements issued by the Ministry of Education during the adjustment phase.

Candidates who have applied for the Minority High-level Talents Program are not allowed to be transferred out of the program. However, they may be transferred within the program. Candidates who have not applied for the Minority High-level Talents Program cannot be transferred into the program.

## **IX Duration of Study**

The basic duration of study for master's students is generally 3 years, and the maximum duration of study (including leave of absence) should not exceed 4 years.

## **X Fees and Benefits**

For the 2024 academic year, our institute will implement the reforms in the graduate education investment mechanism according to national regulations. Newly enrolled graduate students will be charged tuition fees and accommodation fees within the range approved by the relevant national departments:

- 1.The tuition fee for full-time graduate students in the national plan is as follows: 10,000 RMB/year for doctoral students and 8,000 RMB/year for master's students, charged per academic year.
- 2.When master's students who are enrolled in the integrated master's and doctoral program are admitted as doctoral students after assessment, they will pay tuition fees as doctoral students.
- 3.For students recommended for direct admission to the doctoral program, they will pay tuition fees as doctoral students.
- 4.The tuition fee for master's students in the Minority High-level Talents Program is the same as above.

At the same time, SICCAS will improve the system of graduate scholarships and increase the funding for outstanding graduate students. Students who demonstrate excellent academic and research performance can also apply for various scholarships established by the national government, the Chinese Academy of Sciences (CAS), and research institutes. Currently, the scholarships offered by our institution for national plan graduate students fall into six categories, including national scholarships (covering all students), national awards, CAS scholarships, high-value scholarships from the University of Chinese Academy of Sciences (UCAS) (covering all students), institute-level scholarships (covering all students), and research assistant allowances (covering all students).

## **XI Integrated Master-PhD Program**

The integrated Master-PhD program for graduate students generally has a duration of 5 years, with a maximum duration (including leaves of absence) not exceeding 8 years. Students applying for the integrated program should submit their applications within the specified time frame as required by our institution. The specific selection and confirmation procedures for integrated Master-PhD students will be announced by our institution.

## **XII Direct PhD Program**

In 2024, our institution will admit students to the direct PhD program. Direct PhD students are selected from outstanding undergraduate graduates who have obtained recommended exemption from entrance examinations. They are directly admitted as doctoral students, with a standard program duration of 5 years and a maximum duration (including leaves of absence) not exceeding 8 years.

## **XIII Program for High-level Talents from Ethnic Minority Groups**

1. All admitted master's candidates under the program for high-level talents from ethnic minority groups are required to sign a targeted training agreement led by our institution before admission. In-service candidates should sign agreements with their respective employers and the education administrative departments of the provinces, autonomous regions, or municipalities where the targeted employers are located. Non-in-service candidates (including recent graduates) should sign agreements with the educational administrative departments of their provinces, autonomous regions, or municipalities of origin. Students must fulfill the agreement to work in the designated units or regions after graduation. Candidates are not allowed to change their admission category during their study period, meaning they cannot switch to a non-program category or change from targeted employment to non-targeted employment.
2. Master's students admitted under the program for high-level talents from ethnic minority groups are not allowed to pursue a doctoral degree through the integrated Master-PhD program (including regular doctoral programs and doctoral programs for high-level talents from ethnic minority groups). They are also not eligible to apply for a regular doctoral program as recent graduates with a master's degree.
3. Any matters not covered by this special program will be executed in accordance with the relevant policies and requirements of the Ministry of Education.

## **XIV Employment of Graduates**

Non-preferred employment master's graduates are responsible for contacting employers themselves and implementing a "mutual selection" process to determine their employment. Master's graduates under the preferred employment program should work in the designated regions or units according to the agreement after graduation.

## **XV Disciplinary Actions**

Any fraudulent behavior, cheating during exams, or other violations of the admission regulations by candidates will be strictly dealt with in accordance with the "Education Law of

the People's Republic of China" and the "Regulations on Handling Violations of National Education Examinations."

## **XVI Other Matters**

1. Disputes arising between candidates and their original employers or targeted service contract units due to the application for graduate studies should be resolved by the candidates themselves. If the above-mentioned issues prevent the admission unit from accessing the candidates' files, resulting in the inability to participate in the interview or be admitted, the admission unit will not be held responsible.
2. Active-duty military personnel applying for master's programs should follow the regulations of the General Political Department of the People's Liberation Army.
3. Candidates can refer to the admission professional catalog, exam outlines for certain subjects, and recommended reading lists, among other relevant admission information, on the website of the University of Chinese Academy of Sciences: <http://admission.ucas.ac.cn>. They can also directly contact our institution for inquiries regarding the application process.
4. If there are any discrepancies between this admission brochure and the new admission policies (including relevant timelines) issued by the University of Chinese Academy of Sciences and the Ministry of Education, the policies of the higher-level authorities will prevail.

## **Exam Subjects for Master's Degree Programs in 2024**

Programs	Exam Subjects
080500 Materials Science and Engineering (Academic Degree)	<p>① 101 Ideological and Political Theory ② 201 English (I) ③ 302 Mathematics (II) (National Unified Exam) ④ 825 Physical Chemistry (B)</p>
070300 Chemistry (Academic Degree)	<p>① 101 Ideological and Political Theory ② 201 English (I) ③ 302 Mathematics (II) (National Unified Exam) ④ 823 General Chemistry (B)</p>
085600 Materials and Chemical Engineering (Full-time Professional Degree)	<p>① 101 Ideological and Political Theory ② 201 English (I) ③ 302 Mathematics (II) (National Unified Exam) ④ 825 Physical Chemistry (B)</p>

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