

**Requirements of Shenzhen Institute of Advanced Technology,
Chinese Academy of Sciences for Scientific Research Achievements of
First-level Discipline of Biomedical Engineering**

In order to further standardize the academic standards for the evaluation of dissertations, improve the academic level of dissertations and ensure the quality of graduate student training in the first-level discipline of biomedical engineering, these Requirements are hereby formulated.

Article 1 Before applying for a degree, the degree applicants must obtain scientific research achievements in accordance with the regulations of the first-level discipline of biomedical engineering.

Article 2 Graduate students of this discipline should have the experience of publishing academic papers as the first author in relevant domestic and foreign academic journals in this research field, and encourage potential master's students to publish innovative academic dissertations in internationally renowned academic journals.

Article 3 Before applying for a degree, graduate students should meet one of the following conditions:

(1) Publish a research paper (including one that has been accepted) related to the dissertation as the first author or co-first author (the co-first author is limited to the first two, and the byline of the supervisor is not included) in a high-level academic journal or international conference at home and abroad in the discipline field;

(2) As the first inventor or the second inventor after his supervisor, an invention patent related to the dissertation has been obtained and the patent application has been officially published.

(3) Graduate students have won one provincial and ministerial awards for scientific research achievements.

(4) If the graduate students fail to meet the requirements of the above three scientific research achievements, but they have made other achievements in scientific research work and have unique creativity and independence, they can be proposed by their supervisors and recommended by three experts outside the institute in their discipline fields. With the approval of the discipline group, they can pass the requirements of scientific research achievements.

Article 4 The supervisor of the degree applicant is the first person responsible for the examination of his academic dissertations and patents, and the academic achievements of the applicant must be reviewed and approved by the supervisor before they can be published.

Academic achievements published or accepted by degree applicants must be an important part of their dissertations, scientific research achievements independently completed by degree applicants under the guidance of their supervisors, with "Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences" as the first signature unit and the applicant as the first author (or the second author after his supervisor). In addition, the byline of the second or third cooperative unit should be "University of Chinese Academy of Sciences" or "Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences". The signature of the patent is "Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences", and the second byline unit "University of Chinese Academy of Sciences" can no longer be added.

Article 5 Various supervisors may put forward higher requirements according to the actual situation, but he must inform the students at the time of admission and include them in his training plan.

Article 6 The scientific research achievements of this discipline are required to be implemented from the application for degree batches in the summer of 2022.

Article 7 The right to interpret and modify the requirements of scientific research achievements of this discipline belongs to the biomedical engineering discipline working group.