

**University Accreditation Results**  
**(Results for Certified Evaluation and Accreditation for University)**

**Tokyo University of Science**



Basic Information of the Institution	
Ownership: Private	Location: Tokyo, Japan
Accreditation Status	
Year of the Review: 2020	
Accreditation Status: accredited (Accreditation Period: April.1.2021 – March.31.2028)	

## **Certified Evaluation and Accreditation Results for Tokyo University of Science**

### **Overview**

Tokyo University of Science's founding spirit is "Building a Better Future with Science", and its educational tradition is "Achieving Excellence", one of meritocracy, whereby graduation is earned only by those students who are truly capable. Meanwhile, its education and research mission is "to pursue science and technology for the harmonious development of nature, humanity and society". In addition, the University has drawn up the "Tokyo University of Science Long-Term Vision —TUS VISION 150—" (referred to below as "TUS VISION 150") as a long-term plan to achieve these goals, and is working to enhance its education and research activities.

An excellent system for internal quality assurance has been put in place. As an organization responsible for the internal quality assurance at the University as a whole, the "University Quality Assurance Promotion Committee" (referred to below as the "Promotion Committee") was established under the President to closely examine the results of checks and reviews and to supervise improvements. In addition, the University has established the "Check and Review Committee" (referred to below as the "Review Committee"), which is in charge of summarizing checks and reviews conducted by departments, such as faculties and graduate schools. Under this system, the PDCA cycle of checks and reviews for the University as a whole is functioning effectively and delivering results. Furthermore, in order to check and review the suitability of the internal quality assurance system, a system to objectively evaluate the entire system has been established. An external evaluation is conducted, as a general rule, once every two years, employing external experts as evaluators.

Regarding education, appropriate educational methods are implemented in each course based on the degree award policy (diploma policy) and curriculum design and implementation policy (curriculum policy) of each faculty and graduate school. Each department and program has produced a "Course System Chart" and "Model Course of Study" to display the curriculum system in an easy to understand way, and these are published on the website. In addition, active learning is being introduced, class recording and delivery systems are being put into use, and appropriate course guidance is provided to encourage students to take an active and independent approach to learning. These measures are tailored to the "human resource development objectives" of the respective faculties and graduate schools and the nature of each class.

As distinctive initiatives forming part of its social contribution activities, the University also holds the “Bottyan Public Lecture”, an open lecture series, and the “TUS Space Education Program”, which aims to strengthen understanding and interest in space science and technology, particularly among university students, specialized training college students, and high school students, provide hands-on experience of the latest space science technology, and develop capable students who can communicate the appeal of space science and technology to society as researchers, teachers, and engineers in the future. These are ambitious initiatives that will also benefit the education of current students at the University. The University also makes a substantial contribution to the local community by opening to the public several hands-on activity facilities such as the Mathematical Experience Plaza and the Math Sci Experience Center, which attract numerous visitors each year. Other outstanding initiatives relate to the management of the University. Its clerical organizations have proposed an ideal profile for administrative staff under the slogan “Become TUS-JIM!”, and are implementing various measures to make the organizations more dynamic, leading to the development of said organizations and improvements in the attitudes and capabilities of their staff.

However, some departments and graduate schools have a low ratio of student enrollment to their student enrollment caps, so improvements are needed to ensure thorough management of student quotas at the undergraduate and graduate levels.

We hope that the University will continue to make use of its excellent internal quality assurance system, make constant efforts to achieve its mission and purpose, and achieve further progress toward its goal of “Tokyo University of Science, a truly global university of science today and tomorrow”.

## **Notable Strengths**

### *Internal Quality Assurance*

- In AY 2018, an internal quality assurance system was established based on a Review Committee that summarizes the results of checks and reviews conducted by departments, and assigns areas for improvement, and a Promotion Committee that oversees the progress of improvement based on the results of that review. In order to bring in a wide range of viewpoints, the Promotion Committee includes faculty members not directly involved in checks and reviews as well as experts from outside the University, thereby enhancing the objectivity of internal quality assurance and the precision of initiatives for improvement and enhancement. In AY 2019, improvement

plans based on the checks and reviews carried out by each department, as well as an examination of the results, were implemented appropriately in accordance with the “Rules for Promoting Internal Quality Assurance”, and detailed feedback, such as requesting revisions to the content of measures and deadlines, was provided as necessary. These and other measures served to improve the efficacy of initiatives for improvement and enhancement. Furthermore, it is commendable that the University has established a system to check the suitability of the system by conducting external evaluations, is striving to further advance and develop the internal quality assurance that has been implemented in the past, and is working to enhance and improve its activities in education and other areas.

#### *Social Cooperation and Contribution*

- The University works to communicate the results of research in cutting-edge scientific fields and space science and technology, conducting the “Bottyan Public Lecture” for junior and senior high school students and the “TUS Space Education Program” for high school and university students. These have contributed not only to the growth of the students who attend them, but also, by cultivating task management and leadership skills through the experience of managing the program alongside aerospace professionals, to the growth of the students who participate as mentors. Also, in addition to community service activities for the local area, particularly school students, at the Mathematical Experience Plaza, Math Sci Experience Center, and other resource centers and hands-on facilities, one distinctive and ambitious initiative is the provision of courses aimed at junior and senior high school teachers on preparing mathematics teaching materials. These are commendable because, in accordance with the University’s policy on social cooperation and contribution, they effectively pay back the fruits of the University’s education and research to society.

#### *University Management and Finance*

- Aiming to fulfill the founding principle of the University and TUS VISION 150, the personnel system for administrative staff is designed to realize the goal of the administration to become a “Organization with Skills” that contributes to the development of the University. To this end, it has systematically developed and transparently implemented a number of measures to invigorate the organization, such

as proposing an ideal profile for administrative staff under the slogan “Become TUS-JIM!”, introducing a goal management system, reflecting accreditation results in compensation, qualification examinations for promotions, the “Career Challenge System”, and a training and development system. These efforts have led to work by staff members that takes the goals of the organization into account, and improvements in their career awareness and motivation. This is to be commended for its expected contribution to improving the abilities of administrative staff and developing the organization.

## **Suggestions for Improvement**

### *Student Enrollment*

- The ratios of student enrollment to the student enrollment caps are low at 0.87 for Department of Information and Computer Technology, Faculty of Engineering, 0.86 for Department of Applied Electronics, Faculty of Industrial Science and Technology, and 0.89 for Department of Biological Science and Technology, Faculty of Industrial Science and Technology. As such, improvements are needed to ensure that undergraduate student quotas are properly managed.
- The ratio of student enrollment to the student enrollment cap for the Master’s Course at the Graduate School of Management is low at 0.38, so improvements are needed to ensure that student quotas at the graduate level are properly managed also.