

## 第6章 / CHAPTER 6

### 工学部・大学院工学研究院

## FACULTY OF ENGINEERING / GRADUATE SCHOOL OF ENGINEERING



西千葉キャンパス  
Nishi-Chiba Campus

1949年千葉大学が設立され、同時に工芸学部が発足した。1951年に工学部に改組され、1964年から1965年にかけて松戸地区から西千葉地区に移転した。

その後、社会的要請の中で幾多の改組が行われた。1998年に「都市環境システム学科」が新設され、「デザイン工学科」、「電子機械工学科」、「情報画像工学科」、「物質工学科」の5学科体制となった。2004年には、医工学に関する学生教育及び人材育成を目的とした「メディカルシステム工学科」が新設されるとともに、物質工学科が新しい化学及び化学プロセスの開発を担う人材の育成を目的として「共生応用化学科」に改組された。さらに、大学院自然科学研究科の改組に伴い、2008年に工学部もより高い専門性に重点を置いた学科編成に改組され、建築学科、都市環境システム学科、デザイン学科、機械工学科、メディカルシステム工学科、電気電子工学科、ナノサイエンス学科、共生応用化学科、画像科学科、情報画像学科の10学科体制となった。

Chiba University was founded in 1949, at which time the Faculty of Arts and Technology was also established. It was reorganized into the Faculty of Engineering in 1951, and was relocated from the Matsudo area to Nishi-Chiba area between 1964 and 1965.

Since then, the Faculty of Engineering has undergone numerous reorganizations in response to social needs. In 1998, the “Department of Urban Environment Systems” was newly established, and the Faculty of Engineering was reorganized into five departments, including the “Department of Design and Architecture”, the “Department of Electronics and Mechanical Engineering”, the “Department of Information and Image Sciences”, and the “Department of Materials Technology”. In 2004, the Department of Medical System Engineering was newly established to educate and train students in medical engineering, and the Department of Materials Technology was reorganized into the Department of Applied Chemistry and Biotechnology to train personnel to develop new chemistry and chemical processes. In 2008, the Faculty of Engineering was also reorganized to focus on higher specialization in line with the reorganization of the Graduate School of Science and Technology into the ten departments, including the Departments of Architecture, Urban Environment Systems, Design, Mechanical Engineering, Medical System Engineering, Electrical and Electronics Engineering, Nanoscience, Applied Chemistry and Biotechnology, Image Science, and Department of Informatics and Imaging Systems.



墨田サテライトキャンパス  
Sumida Satellite Campus

2017年に学部全体として機動的で柔軟な教育を実施・実践できるように「総合工学科」の1学科制とし、その中に工学の専門分野に対応した9コースを設置した。建築学、機械工学、電気電子工学、情報工学、共生応用化学の5コースを基幹的な分野、都市環境システム(2022年4月都市工学コースに改称)、デザイン、医工学、物質科学の4コースを融合的・複合的な内容を多く含む分野と位置付けた。

2021年には墨田サテライトキャンパスが開設し、西千葉キャンパスとともに教育研究が行われている。さらに2024年4月には、情報工学コースを中心とした情報・データサイエンス学部が設置された。

改組から完成年度を迎えた2021年度に自己点検・自己評価を、翌年度には外部評価を実施し、多面的な評価・提言を受けた。より一層社会のニーズに応える人材育成を実践するとともに、社会実装の高い研究を目指すところである。



新講義棟完成図  
Image of new lecture building when complete

In 2017, the faculty as a whole adopted a single department system of the “Department of Engineering” to enable the implementation and practice of agile and flexible education, and within this system, nine Department of Engineering courses were established to correspond to the specialized fields of engineering. The five departments of Architecture, Mechanical Engineering, Electrical and Electronics Engineering, Information Engineering, and Applied Chemistry and Biotechnology were positioned as core fields, while the four departments of Urban Environment Systems (renamed the Department of Urban Engineering in April 2022), Design, Medical Engineering, and Materials science were positioned as fields that include much integrated and complex content.

In 2021, the Sumida Satellite Campus opened, where education and research are conducted together with the Nishi-Chiba Campus. Furthermore, in April 2024, the Faculty of Informatics was established based on the Department of Information Engineering.

A self-assessment and self-evaluation were conducted in FY2021, the year in which the reorganization was completed, and an external evaluation was conducted in the following year to receive multifaceted evaluations and recommendations. We are aiming to further develop human resources to meet the needs of society and conduct research with a high level of social implementation.