

1st, April, 2025

To Students of the Graduate Major in HCB

Regarding the Curriculum of the Graduate Major in HCB from AY2025 Onward

Head of the Graduate Major in HCB

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Starting in AY2025, the Graduate major in Human Centered Science and Biomedical Engineering (hereinafter referred to as HCB) will no longer admit new students. Instead, a closely related major, the Graduate Major in Science and Technology for Health Care and Medicine (hereinafter referred to as STM), has been established and will admit new students in 2025.

※Please note that the HCB major will remain active as long as enrolled students remain. Be sure to follow the study guide of “Graduate major in Human Centered Science and Biomedical Engineering” corresponding to your enrollment year when planning your course registration. With the launch of the STM major curriculum, significant changes have been made to courses previously offered under the HCB major.

When following your enrollment-year study guide for the HCB major, please refer to the attached document and update course numbers and titles as needed.

Contents

- (1) Courses with No Changes (AY2025)
- (2) Jointly Offered by Both Majors – Different Titles, Identical Content
- (3) Offering Major Changed from HCB to STM - Recommended in HCB / Course Numbers and Some Titles Updated
- (4) Courses Previously Offered by Other Majors – No Changes to Course Numbers or Titles, Except for Two Cases

Please refer to the table in the attached PDF file (as of March 2025) for course number and titles.

Details

- (1) The following remains unchanged
 - HCB Seminar S1, F1, S2, F2, S3, F3, S4, F4, S5, F5
 - Research Planning for Master Thesis I, II

- Research Planning for Doctoral Thesis I, II
- Interdisciplinary Research Fundamentals I, II
- Interdisciplinary Research Training, Teaching methods for Human Centered Science and Biomedical Engineering
- International Presentation I, II, III, IV
- Off Campus Training I, II, III
- HCB International Internship
- Research Working in Company
- HCB off-campus advanced training 1,2
- Cooperative Education through Research Internships of (HCB course)
- Master's Recurrent Programs of HCB
- Doctoral Recurrent Program 1 of HCB

(2) Jointly offered by both majors – presentations/lectures with different numbers and titles but identical contents

- Research Planning for Master Thesis I, II
- Research Planning for Doctoral Thesis I, II
- Interdisciplinary Research Fundamentals I, II
- Interdisciplinary Research Training, Teaching methods for Human Centered Science and Biomedical Engineering

Note:

Course registration for the master's course "Interdisciplinary Research Fundamentals"

Course registration materials for their academic year are posted on the HCB major website in early April each year. Students who wish to register must check the website, as the content is updated annually.

HCB major website URL: <https://www.hcb.titech.ac.jp/>

(3) As indicated in the attached PDF file, course numbers will be updated. In addition, the course titles for the following subjects will also be changed.

- Old) Outline of Human Centered Science and Biomedical Engineering I
New) Outline of Science and Technology for Health Care and Medicine I
- Old) Outline of Human Centered Science and Biomedical Engineering II
New) Outline of Science and Technology for Health Care and Medicine II
- Old) Advanced Human Centered Science and Biomedical Engineering I
New) Advanced Science and Technology for Health Care and Medicine I
- Old) Advanced Human Centered Science and Biomedical Engineering II

- New) Advanced Science and Technology for Health Care and Medicine II
- Old) Advanced Research Topics for Life Innovation I
- New) Special Lecture Series I of STM
- Old) Advanced Research Topics for Life Innovation II
- New) Special Lecture Series II of STM
- Old) Advanced Research Topics for Life Innovation III
- New) Special Lecture Series III of STM
- Old) Advanced Research Topics for Life Innovation IV
- New) Special Lecture Series IV of STM

(4) Among the 2024 subject, those offered by majors other than HCB, numbers and titles remain unchanged. However, the following two courses have had their numbers changed due to updates by the offering program

- Old) HCB.T431.L New) HCB.T435.L Materials simulation
- Old) HCB.T431.L New) HCB.T436.L Materials Informatics

Course Update Notice (Additions and Deletions)

Please refer to the attached document: “2-1_ Attachment_20250523HCB Curriculum List”
The changes marked in red are scheduled to take effect as of June 18, 2025.

Changes:

- Recommended course to be discontinued:
HCB.S502 Design Theory in Biological Systems (2-0-0)
Offered by the Graduate Major in Artificial Intelligence (Course code: ART.T546)
- Recommended course to be newly added:
HCB.S503 Medical and Health Informatics (2-0-0)
Offered by the Graduate Major in Artificial Intelligence (Course code: ART.T553)

Note:

The updates will be reflected on the web services for students and faculty starting June 19.
You may request your 2Q additional course registration via the system until July 12.