

**New Students Orientation in September 2022**  
**Graduate major in Human Centered Science and Biomedical Engineering**  
**Document release Sep. 28, 2022 Wed.**

**Handout**

1\_Guide to Graduate Education and International Graduate Program\_Fall 2022

※日本語の学修案内は、東工大WEBサイトで確認してください。

科目に関しては英語版の方が最新の情報となっています。

[https://www.titech.ac.jp/guide/guide\\_2022/graduate/](https://www.titech.ac.jp/guide/guide_2022/graduate/)

2\_The announcement of the courses of HCB that will be held in 3Q, 4Q, 3-4Q

3\_HCB Course Master/Doctor Midterm Presentation

4-1\_About Research Justice (for Master degree program students)

4-2\_About Research Justice (for Doctoral degree program students)

5-1\_【Information】「Advanced Research Topics for Life Innovation I (Japanese lectures)

5-2\_【Information】「Advanced Research Topics for Life Innovation II (Japanese lectures)

6-1\_Information on internship courses/Information on International Presentation

6-2\_Sample (application, report form)

7-1\_Introduction to Tokyo Tech Library (English)

7-2\_Introduction to Tokyo Tech Library (Japanese)

8\_Taking 600-level courses in the Master's degree program/HCBコース内修博一貫プログラム案内

9\_Financial support for doctoral students (external)

10-1\_Three Takuetsu Programs Guidance (English)

10-2\_卓越教育院コースガイダンス資料 (日本語)

10-3\_TAC-MI Guidance (English)

10-4\_物質・情報卓越教育院紹介資料 (日本語)

10-5\_WISE-SSS\_Guidance Information (日英J,E)

☆Common Core courses of Master's Degree Program(Required courses)

▷Research seminars	standard schedule	
★ ◎ HCB Seminar F1	1st year fall (3-4Q)	A total of 8 credits
★ ◎ HCB Seminar S1	1st year spring (1-2Q)	
★ ◎ HCB Seminar F2	2nd year Fall (3-4Q)	
★ ◎ HCB Seminar S2	2nd year Spring (1-2Q)	
▷Research-related courses	standard schedule	
★ ◎ Research Planning for Master Thesis I	1st year spring (2Q)	A total of 2 credits
★ ◎ Research Planning for Master Thesis II	2nd year Fall (4Q)	
▷Major courses	Q	
★ ◎ Interdisciplinary Research Fundamentals I	1Q	A total of 4 credits
★ ◎ Interdisciplinary Research Fundamentals II	2Q	
★ ◎ Interdisciplinary Research Training	2Q	

☆Common Core courses of Master's Degree Program (Electives)

▷Major courses	Q	
★ ○ Outline of Human Centered Science and Biomedical Engineering I	1Q	3 credits from restricted electives
★ ○ Outline of Human Centered Science and Biomedical Engineering II	3Q	
★ ○ Advanced Human Centered Science and Biomedical Engineering I	1Q	
★ ○ Advanced Human Centered Science and Biomedical Engineering II	3Q	
★ ○ Presentation for Science and Engineering I	1Q	
★ ○ Presentation for Science and Engineering II	3Q	
★ ○ International Writing	1Q	
★ ○ International Presentation I ※	1-2Q, 3-4Q	
★ ○ International Presentation II ※	1-2Q, 3-4Q	
○ Off Campus Training I ※※	1-2Q, 3-4Q	
○ Off Campus Training II ※※	1-2Q, 3-4Q	
○ Off Campus Training III ※※	1-2Q, 3-4Q	
★ ○ Fundamentals of Creative Design	1Q	
★ ○ Advanced Biological Science and Engineering (Tsinghua University)※※※	1-2Q	

◎:Required courses ○:Restricted electives ★:Course given in English

※ Courses that is required submission of the application before internship and the report after internship by the predetermined form (所定様式による申請及び終了後の報告が必要な科目)

※※ Courses that is required submission of the report after the International conference etc., by the predetermined form (所定様式による報告が必要な科目)

※※※Only Tokyo Tech - Tsinghua University Joint Graduate Program-students can take this course (清華大プログラム生対象授業)

☆Common Core courses of Doctoral Degree Program(Required courses)

▷Research seminars	standard schedule	
★ ◎ HCB Seminar F3	1st year Fall (3-4Q)	A total of 12 credits
★ ◎ HCB Seminar S3	1st year Spring (1-2Q)	
★ ◎ HCB Seminar F4	2nd year Fall (3-4Q)	
★ ◎ HCB Seminar S4	2nd year Spring (1-2Q)	
★ ◎ HCB Seminar F5	3rd year Fall (3-4Q)	
★ ◎ HCB Seminar S5	3rd year Spring (1-2Q)	
▷Research-related courses	standard schedule	
★ ◎ Research Planning for Doctoral Thesis I	1st year Spring (2Q)	A total of 4 credits
★ ◎ Research Planning for Doctoral Thesis II	3rd year Fall 1Q~next Spring	

☆Common Core courses of Doctoral Degree Program (Electives)

▷Major courses	Q	
○ Teaching methods for Human Centered Science and Biomedical Engineering	2Q	A total of 2 credits
★ ○ HCB International Internship ※	1-2Q, 3-4Q	
○ Research Working in Company ※※	1-2Q, 3-4Q	
○ HCB off-Campus advanced training 1 ※	1-2Q, 3-4Q	
○ HCB off-Campus advanced training 2 ※	1-2Q, 3-4Q	
★ ○ International Presentation III ※※	1-2Q, 3-4Q	
★ ○ International Presentation IV ※※	1-2Q, 3-4Q	
★ ○ International Career Development Advanced	3-4Q	

◎:Required courses ○:Restricted electives ★:Course given in English

※ Courses that is required submission of the application befor internship and the report after internship by the predetermined form (所定様式による申請及び終了後の報告が必要な科目)

※※ Courses that is required submission of the report after the International conference etc., by the predetermined form (所定様式による報告が必要な科目)

For the syllabus of each couese, please refer to OCW (<http://www.ocw.titech.ac.jp/index.php?lang=EN>) .

各科目のシラバスはOCW (<http://www.ocw.titech.ac.jp/>) を参照してください。