

**New Students Orientation in September 2020**  
**Graduate major of Human Centered Science and Biomedical Engineering**  
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**Attachment**

1. Guide to Graduate Education and International Graduate Program [Fall 2020 ]
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. About Research Justice
5. Information of "Introduction to Bioethics" (These courses are given in Japanese.)
6. Information of "Tokyo Tech Academy for Convergence of Materials and Informatics (TAC-MI)  
AY2021 Spring Semester Student Recruitment Briefing
7. Introduction to Tokyo Tech Library

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

▷Research seminars		standard schedule	
★ ◎ HCB Seminar F1		2020 Fall (3-4Q)	A total of 8 credits
★ ◎ HCB Seminar S1		2021 Spring (1-2Q)	
★ ◎ HCB Seminar F2		2021 Fall (3-4Q)	
★ ◎ HCB Seminar S2		2022 Spring (1-2Q)	
▷Research-related courses		standard schedule	
★ ◎ Research Planning for Master Thesis I		2021 Spring (2Q)	A total of 2 credits
★ ◎ Research Planning for Master Thesis II		2021 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	

◎: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)

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

▷Research seminars		standard schedule	
★ ◎ HCB Seminar F3		2020 Fall (3-4Q)	A total of 12 credits
★ ◎ HCB Seminar S3		2021 Spring (1-2Q)	
★ ◎ HCB Seminar F4		2021 Fall (3-4Q)	
★ ◎ HCB Seminar S4		2022 Spring (1-2Q)	
★ ◎ HCB Seminar F5		2022 Fall (3-4Q)	
★ ◎ HCB Seminar S5		2023 Spring (1-2Q)	
▷Research-related courses		standard schedule	
★ ◎ Research Planning for Doctoral Thesis I		2021 Spring (2Q)	A total of 4 credits
★ ◎ Research Planning for Doctoral Thesis II		2022 3Q~2023 1Q	

### ☆Common Core courses of Doctoral Degree Program (Electives)

▷Major courses		Q
○ Teaching methods for Human Centered Science and Biomedical Engineering		2Q
★ ○ 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

◎: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 course, 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。