(No.3) Double Degree Program Guidebook

2021

(FYR)

Computer and Information Sciences

Hosei University

Contents

1. Introduction

Hosei University is one of the oldest private universities in Japan and was established in 1880 as a law school and became a university in 1920 when the first university system was legislated by the government. 100 years ago, Hosei University accepted near 2,000 Chinese students, including Sun Jiaoren, Hu Hanmin, Wang Jinwei, Ju Zhen and Shen Junyu, who played very important roles in 1911 Revaluation Xinhai 100.
The university is constituted by 15 faculties and 30,000 students are studying. It has three campuses: Ichigaya at the center of Tokyo, Koganei at a suburb of Tokyo and Tama at a hill area of Tokyo. The Graduate School of Computer and Information Sciences (CIS) is located at Koganei Campus, about 20 minutes by train from Shinjuku.

In December 2010, Hosei University and RJB (Office of Pilot Software Engineering Schools of MOE in China, now The Pilot Software Engineering Schools Association) has agreed to provide the double degree program for students of national pilot software institutes in China as well as ones of CIS to promote collaborative and advanced education in software engineering emerging as the most important industry in the 21st century.

The double degree program enables you to obtain a master degree from Hosei University as well as another master degree from your national pilot software institute. To complete a two-year master degree of Hosei University, you need to study at Hosei University for one year as a regular student and another year at your national pilot software institute. (Please refer to Schedule section for details.) CIS requires 30 credits which include 18 credits for taking 9 lecture courses, 12 credits for 3 seminar courses, and a master thesis to obtain a master degree in science. Among the 18 credits for course learning, 10 credits are transferable from equivalent credits that you have obtained at your national pilot software institute in China. CIS provides enough courses which are taught in English to complete a master degree course. If you want, you can take courses taught in Japanese which cover broader area of computer science. Moreover, after receiving a master degree from Hosei University, a student can continue his/her PhD study if the student applies to CIS (or IIST / Integrated Institute of Science and Technology; cross major of CIS and Science & Engineering) and passes screening process.
https://iist.hosei.ac.jp/

There are 23 professors in CIS and 3 of them are Chinese professors. Their research areas cover from computer science to software engineering, artificial

intelligence, computer graphics, and ubiquitous computing. A student will do research and write a master thesis under supervision of CIS professors during one year study in CIS.

2. Curriculum for Master's Degree

The master's degree course consists of required and elective courses and a master's thesis. The courses are composed of lecture courses and seminar courses. Lecture courses are divided into 5 fields:
1) Computer Fundamentals
2) Information Systems
3) Media Science
4) Computer and Information Sciences for Globalization
5) Others

All lecture courses in the field of Computer and Information Sciences for Globalization, which is suited for the double degree program, are taught in English. All lecture courses in the 4th field (Computer and Information Sciences for Globalization) are taught in English. Some lectures in other fields are also taught in English. Students of the double degree program are allowed to take any lecture courses. In order to adapt to rapidly changing information technology, ad hoc lectures are also provided.

Seminar courses are related to your research. There are three compulsory courses:
1) Special Research for Computer and Information Sciences
2) Special Seminar for Computer and Information Sciences
3) CIS Global Seminar

The first two courses, which are taught by your research supervisor, are completed when your master's thesis is accepted. CIS Global seminar is a special course for not only double degree students but also for exchange students. It may include visiting leading companies and talking with their engineers and researchers.

3. Transferring Credits to HOSEI

Transfer credits are the credits of the subject presented on an official transcript from your university in China. Hosei DDP faculty determines their equivalency to subjects in Hosei based on the subjects and course requirements to the subjects and curriculum offered in Hosei. **You can transfer up to 10 credits from your university to Hosei.**

The lectures (See the list on **4.**) that are provided from the Fall semester 2020 through to the Spring semester 2022 at CIS in Hosei University, are possible to transfer. The lecture courses (Credit Transferable: ◎ on the list) can be applied by the "Application form for Credit Transfer".

4. Requirements for Master's Degree

The lecture courses are taught in either English or in Japanese. Lectures colored by ▢ are taught in English. CIS Special Research and Seminar are taught in English by your research supervisor. CIS Global Seminar is also taught in English.

To obtain a master's degree, you have to take:

1) 9 elective courses from lecture courses, which total 18 credits. (You may include ad hoc lecture courses.)
2) Special Research for CIS, Special Seminar for CIS and CIS Global Seminar, which are a total of 12 credits
3) A master's thesis

Double Degree Program Guidebook

The 1st R&D Field

		科目名 Subject Name	セメ Semester	単位 Credit	担当教員 Professor	備考 Note	2022年以降の開講予定 Plan after 2022 AY	Credit Transfer
講義科目 Lecture Subject	第1研究領域 The 1st R&D Field	プログラミング言語処理系特論 Advanced Programming Language Processors	春 Spring 2022	2	佐々木晃 SASAKI Akira	Cancelled in 2021	偶数年のみ開講 Even Year	◎
		コンピュータアーキテクチャ特論 Advanced Computer Architecture	春 Spring 2022	2	李亜民 LI Yamin	Cancelled in 2021	偶数年のみ開講 Even Year	◎
		インターネットアーキテクチャ Internet Architecture	春 Spring 2021	2	廣津登志夫 HIROTSU Toshio		奇数年のみ開講 Odd Year	◎
		ディジタル情報の符号化と復号化 Principles of Digital Communication and Coding	春 Spring	2	担当者未定 Not assigned	Cancelled in 2021	奇数年のみ開講 Odd Year	
		関数型言語と圏論 Functional Languages and Category Theory	春 Spring 2022	2	雪田修一 YUKITA Shuichi	Cancelled in 2021	偶数年のみ開講 Even Year	◎
		高信頼ソフトウェア開発の形式工学手法 Formal Engineering Technologies for Dependable Software Development	秋 Fall 2022	2	担当者未定 Not assigned	Cancelled in 2021	毎年 Every Year	
		データベースプログラミング言語 Database Programming Languages	秋 Fall 2021	2	日高宗一郎 HIDAKA Soichiro		奇数年のみ開講 Odd Year	◎

Double Degree Program Guidebook

The 2nd R&D Field

		科目名 Subject Name	セメ Semester	単位 Credit	担当教員 Professor	備考 Note	2022 年以降の開講予定 Plan after 2022 AY	Credit Transfer
講義科目 Lecture Subject	第2研究領域 The 2nd R&D Field	人工知能特論 Advanced AI	秋 Fall 2021	2	黄潤和 HUANG Runhe		毎年	◎
		進化システム論 Evolutionary Systems	春 Spring 2022	2	佐藤裕二 SATO Yuji	Cancelled in 2021	毎年	◎
		可視化特論 Advanced Visualization	春 Spring 2022	2	細部博史 HOSOBE Hiroshi	Cancelled in 2021	偶数年のみ開講 Even Year	◎
		数理モデリング特論 Mathematical Modelling	秋 Fall 2021	2	相島健助 AISHIMA Kensuke		奇数年のみ開講 Odd Year	◎
		データマイニング特論 Advanced Data Mining	春 Spring 2021	2	赤石美奈 AKAISHI Mina		奇数年のみ開講 Odd Year	◎
		オブジェクト指向言語 Object Oriented Language	春 Spring 2022	2	藤田悟 FUJITA Satoru	Cancelled in 2021	偶数年のみ開講 Even Year	◎
		先端網とコンピューティング Advanced Networking and Computing	秋 Fall 2021	2	馬建華 MA Jianhua		毎年	◎

The 3rd R&D Field

		科目名 Subject Name	セメ Semester	単位 Credit	担当教員 Professor	備考 Note	2022 年以降の開講予定 Plan after 2022 AY	Credit Transfer
講義科目 Lecture Subject	第3研究領域 The 3rd R&D Field	線形システム特論 Advanced Linear System Theory	春 Spring 2022	2	小西克巳 KONISHI Katsumi	Cancelled in 2021	偶数年のみ開講 Even Year	◎
		音声・言語処理特論 Speech and Language Processing	秋 Fall 2021	2	伊藤克亘 ITO Katunobu		奇数年のみ開講 Odd Year	◎
		多次元信号画像処理 Multi-Dimensional Signal and Image Processing	春 Spring 2021	2	花泉弘 HANAIZUMI Hiroshi	Opened in 2021	偶数年のみ開講 Even Year	◎
		パターン認識特論 Advanced Pattern Recognition	春 Spring 2021	2	若原徹 WAKAHARA Toru		奇数年のみ開講 Odd Year	◎
		3次元映像技術特論 Advanced 3D Imaging	秋 Fall 2020	2	小池崇文 KOIKE Takafumi	Cancelled in 2021	偶数年のみ開講 Even Year	◎
		科学技術シミュレーション Computational Science and Engineering	秋 Fall 2021	2	善甫康成 ZEMPO Yasunari		奇数年のみ開講 Odd Year	◎

Double Degree Program Guidebook

The 4th R&D Field

		科目名 Subject Name	セメ Semester	単位 Credit	担当教員 Professor	備考 Note	2022 年以降の開講予定 Plan after 2022 AY	Credit Transfer
講義科目　Lecture Subject	第4研究領域　The 4th R&D Field	グローバル CIS 特別講義 1 Global CIS Special Lecture 1	秋 Fall 2021	2	内田薫 UCHIDA Kaoru		毎年 Every Year	◎
		グローバル CIS 特別講義 2 Global CIS Special Lecture 2	秋 Fall 2021	2	内田薫 UCHIDA Kaoru		毎年 Every Year	◎
		グローバル CIS 特別講義 3 Global CIS Special Lecture 3	春 Spring 2022	2	内田薫 UCHIDA Kaoru		毎年 Every Year	◎
		グローバル CIS 特別講義 4 Global CIS Special Lecture 4	春 Spring 2022	2	内田薫 UCHIDA Kaoru		毎年 Every Year	◎
		ビジネスアプリケーションシステム開発 Business Application System Development	秋 Fall 2021	2	渡辺正信 WATANABE Masanobu		毎年 Every Year	◎
		Web システム開発 Web System Development	秋 Fall 2021	2	小林郁夫 KOBAYASHI Ikuo		毎年 Every Year	◎
		ソフトウェア要求仕様記述と分析の技術 Software Requirements Analysis and Specification Techniques	秋 Fall 2021	2	佐原伸 SAHARA Shin		毎年 Every Year	◎
		ソフトウェアプロセス及び品質保証 Software Process and Quality Assurance	秋 Fall 2021	2	小池太 KOIKE Futoshi		毎年 Every Year	◎
		企業システム構築のためのソフトウェア基盤 Software Architecture for Enterprise Systems	秋 Fall 2021	2	山本学　他 YAMAMOTO Gaku, others		毎年 Every Year	◎
		オブジェクト指向 Web 設計 Object Oriented Web Programming	春 Spring 2022	2	小林郁夫 KOBAYASHI Ikuo		毎年 Every Year	◎
		ソフトウェア技術者の為の技術英語の書き方 Technical Writing for Software Engineers	春 Spring 2022	2	藤野輝雄 FUJINO Teruo		毎年 Every Year	
		論文の書き方と発表技術 Writing and Presentation for Thesis	秋 Fall 2021	2	内田薫 UCHIDA Kaoru		毎年 Every Year	
		日本語理解1 Japanese Comprehension 1	秋 Fall 2021	2*	村松葉子 MURAMATSU Yoko	Taught in Japanese	毎年 Every Year	
		日本語理解2 Japanese Comprehension 2	春 Spring 2022	2*	村松葉子 MURAMATSU Yoko	Taught in Japanese	毎年 Every Year	

＊　"Japanese Comprehension 1" and "Japanese Comprehension 2" are available for
foreign students in principle, however, credits these subjects cannot be counted into a
total of 30 credits required for the course completion.

Double Degree Program Guidebook

Common Field

		科目名 Subject Name	セメ Semester	単位 Credit	担当教員 Professor	備考 Note	2022 年以降の開講予定 Plan after 2022AY	Credit Transfer
講義科目 Lecture Subject	共通領域 Common Field	情報科学特別講義 1 (アルゴリズムとデータ構造) Special Lecture for Computer and Information Sciences 1（Data Structures and Algorithms）	春 Spring 2022	2	坂本寛 SAKAMOTO Kan		毎年 Every Year	◎
		情報科学特別講義 2 (画像認識特論) Special Lecture for Computer and Information Sciences 2（Advanced Image processing）	春 Spring 2022	2	担当者未定 Not assigned	Cancelled in 2021	毎年 Every Year	◎
		情報科学特別講義 3 (オペレーティングシステム) Special Lecture for Computer and Information Sciences 3（Operating System）	春 Spring 2022	2	担当者未定 Not assigned	Cancelled in 2021	毎年 Every Year	◎
		情報科学特別講義 4 (知能メディア処理) Special Lecture for Computer and Information Sciences 4（Intelligent Media Processing）	秋 Fall 2020	2	担当者未定 Not assigned	Cancelled in 2021	毎年 Every Year	◎
		情報科学特別講義 5 (音声・音楽処理特論) Special Lecture for Computer and Information Sciences 5（Voice and Acoustics）	春 Spring 2022	2	北原義典 KITAHARA Yoshinori		毎年 Every Year	◎
		情報科学特別講義 6 (テキストマイニング特論) Special Lecture for Computer and Information Sciences 6(Text Mining)	秋 Fall 2021	2	横野光 YOKONO Hikaru		毎年 Every Year	◎
		インターンシップ Internship	秋 Fall 2021	2	秋野喜彦 AKINO Nobuhiko	履修希望者は春学期ガイダンスに参加すること	毎年 Every Year	
		IoT システムとサイバーセキュリティ Cyber Security for IoT Systems	秋 Fall 2021	2	斯波万恵他 SHIBA Masue, others		毎年 Every Year	◎
		暗号とその応用 Cryptography and its Applications	秋 Fall Intensive 2021	2	岡本龍明 OKAMOTO Tatsuaki	英語で講義 IIST 主催科目	毎年 Every Year	◎
		ニューラルネットワークの理論と応用 Theory and Applications of Neural Networks	秋 Fall 2021	2	孫鶴鳴 SUN Heming	英語で講義 応用情報工学専攻開講科目	毎年 Every Year	◎

Double Degree Program Guidebook

Compulsory

		科目名 Subject Name	セメ Semester	単位 Credit	担当教員 Professor	備考 Note	2022 年以降の開講予定 Plan after 2022AY	Credit Transfer
セミナー Seminar	必修 Compulsory	情報科学特別研究1A Special Research for Computer and Information Sciences 1A	半期 Half Year	各 1	各指導教員 Supervisor		毎年 Every Year	
		情報科学特別研究 1B Special Research for Computer and Information Sciences 1B	半期 Half Year	各 2	各指導教員 Supervisor		毎年 Every Year	
		情報科学特別研究 2A Special Research for Computer and Information Sciences 2A	半期 Half Year	各 1	各指導教員 Supervisor		毎年 Every Year	
		情報科学特別研究 2B Special Research for Computer and Information Sciences 2B	半期 Half Year	各 2	各指導教員 Supervisor		毎年 Every Year	
		情報科学特別演習 1A Special Seminar for Computer and Information Sciences 1A	半期 Half Year	各 1	各指導教員 Supervisor		毎年 Every Year	
		情報科学特別演習 1B Special Seminar for Computer and Information Sciences 1B	半期 Half Year	各 1	各指導教員 Supervisor		毎年 Every Year	
		情報科学特別演習2A Special Seminar for Computer and Information Sciences 2A	半期 Half Year	各 1	各指導教員 Supervisor		毎年 Every Year	
		情報科学特別演習2B Special Seminar for Computer and Information Sciences 2B	半期 Half Year	各 1	各指導教員 Supervisor		毎年 Every Year	
	2単位以上	情報科学オープンセミナー1 Open Seminar for Computer and Information Sciences 1	春 Spring 2022	2	各教員 Faculty Member	Cancelled in 2021	偶数年のみ開講 Even Year	
		情報科学オープンセミナー2 Open Seminar for Computer and Information Sciences2	春 Spring	2	各教員 Faculty Member		奇数年のみ開講 Odd Year	
		CIS グローバルセミナー CIS Global Seminar	秋 Fall 2021	2	内田薫 他 UCHIDA Kaoru, others		毎年 Every Year	
論文 Thesis		修士論文(M2のみ) Thesis of Master Degree	半期 Half Year	0	各指導教員 Supervisor		毎年 Every Year	

5. R&D Fields

There are 4 R&D Fields:

1) Computer Fundamentals
2) Information Systems
3) Media Science
4) Computer and Information Sciences for Globalization.

Areas 1, 2, and 3 are the major research targets of CIS, which cover the broad area of computer science and digital media. Five or six professors are assigned to each area.

The research area of Computer and Information Sciences for Globalization is a new area, targeting this double degree program. It covers software engineering and development.

The 1st R&D Field: Computer Fundamentals

Please refer to:　http://cis.k.hosei.ac.jp/gs/ddp/research/area1.html

The 2nd R&D Field: Information Systems

Please refer to:　http://cis.k.hosei.ac.jp/gs/ddp/research/area2.html

The 3rd R&D Field: Media Science

Please refer to:　http://cis.k.hosei.ac.jp/gs/ddp/research/area3.html

The 4th R&D Field: Computer and Information Sciences for

Globalization

Please refer to:　http://cis.k.hosei.ac.jp/gs/ddp/research/area4.html

6. FAQ

Q1: How much does it cost to live for a student in Tokyo for one year?
A1: It depends on your budget and your personal preferences. Average living expenses, except tuition fees, will be about 1,200,000 - 1,500,000 JPY a year.

Q2: For the transferable 10 credits, what subject can be transferred to Hosei? And what subject will be offered by Hosei to get the other 10 credits?

A2: See "Transferring Credits to HOSEI" on page 5 and "Curriculum for Master's Degree" on page 4.

Q3: When can I get the official documents from your university for the visa application?
A3: We will distribute admission set on early April by email to require the submission of applications. If you submit by early June, the earning of the Certificate of Eligibility (COE) expects in late July.

Q4: Regarding a master's thesis, is it okay for students applying for one thesis to obtain two diplomas?
A4: In principle, it should be one thesis for one diploma. Each university evaluates separately each thesis.

Q5: What are the accommodations like?
A5: In principle, students are asked to arrange their accommodations on their own. Housing information is sent to you by email on early April.

Double Degree Program
2021 Admission Application Schedule

✓	Please check the blank if you have already completed	Date & Special Note

2020

✓	Entrance Application Period	October –November 25、2020
✓	Receiving Notice of Acceptance	December 10, 2020
✓	Administration fee (100,000JPY) payment period	December 10−31, 2020 (No refundable)

2021

✓	Admission Procedure documents from Hosei	Top of April, 2021 (By email)
✓	Receiving Application for Supervisor from Hosei	Middle of April, 2021 (By email)
✓	Submission deadline for Supervisor Application	By Middle of May, 2021 (By email)
✓	Academic (tuition) fee payment of 300,000 JPY due	By Middle of May, 2021 (via Western Union)
✓	Receiving Credit Transfer Application from Hosei	Late May, 2021 (By email)
✓	Announcement of matching of your supervisor at Hosei	Late June, 2021 (By email)
✓	Submission deadline for "Certificate of Eligibility" Application	By Middle of June, 2021 (By Postal Mail and email)
✓	Submission deadline for Credit Transfer Application	By End of June, 2021 (By email)
	Receiving your COE from Japan, go to the Japanese embassy in your region to apply for "Student VISA"	Early August, 2021 (By EMS) ☞Please check with Japanese embassy in advance for the approximate time to issue your VISA!!
	Airport Pick-up service application	Middle of July, 2021 (By email) *If you desired

2021 DDP Academic Year Calendar (For Your Reference)

2021 DDP Academic Year Calendar (from September, 2021 to September, 2022)	
September 11 (SAT), 2021	Entrance Ceremony & Guidance
September TBD (TBD), 2021	Orientation
September 17 (FRI), 2021	Class Start for Fall Semester
October TBD (TBD), 2021	Health Checkup
Middle of October 2021 (TBD)	Koganei International Exchange Party
October 28 (THU)- October 31 (SUN) 2021	HOSEI KOGANEI festival
December 25 (SAT) 2021– January 7 (FRI), 2022	Winter Holiday ※Classes resume on January 8 (SAT)
February 3 (THU), 2022	Mid-term Presentation of Master's Thesis (for M1, Doctoral students & DDP students)
February 1 (TUE)-March 31 (THU), 2022	Spring Holiday
Early April 2022	Class Start for Spring Semester
Early April 2022	Health Checkup & Spring Orientation
Early July, 2022	Submission of Abstract
Middle of July, 2022	Submission of Master's Thesis
Middle of July, 2022	Presentation of Master's Thesis
Late July, 2022	Completion Ceremony for DDP
Middle of September, 2022	Degree Award (Diploma will be sent by EMS to you)