Interim Guide to IGP-A SEP ICT special course

(For admission year 2013 & 2014 students in

Dept. Communications and Computer Engineering)

Course guideline and required credits for Master Course

International Graduate Program (IGP)

Sustainable Engineering Program (SEP)

Information and Communication Technology (ICT)

Dept. Communications and Computer Engineering (CE),
   Graduate School of Science and Engineering (Engineering School),
   Tokyo Institute of Technology

Classification of requirements

Students in IGP-A SEP ICT special course must satisfy the following three requirements:
   (R-1) Requirements for the Department you belong to
   (R-2) Requirements for SEP
   (R-3) Requirements for Sustainable Engineering (SE) special education course

General rules

1) To graduate Master and Doctoral level of your department, you must satisfy (R-1)
2) To graduate SEP, you must satisfy (R-2)
3) Since SEP does not issue any certificates of graduation, we prepare SE special education course. To receive the certificate, you must satisfy (R-3) which can be automatically satisfied if you satisfy (R-2).

Official information

(R-1) Please look at http://www.ce.titech.ac.jp/curriculum.html
(R-2) Please find information of SEP from http://www.titech.ac.jp/guide/guide_25/ for students with admission year of 2013, and from http://www.titech.ac.jp/guide/guide_26 for students of 2014. You must have a CD-ROM which includes the same information written in the above web site.
(R-3) http://www.eng.titech.ac.jp/ingp/files/SE_OutlineEN[1].pdf

Quick chart for

Master students in Dept CE

(1) 30 credits in total (R-1)
(2) 24 credits from *the Research Courses* and from *the Courses by Departments* (R-1)
(3) 8 credits from *the Seminar Courses* (R-1)(R-2)
(4) 14 credits from *the Departmental Courses* and 2 credits from *the Courses in Other Departments.* (R-1)
(5) 2 credits from *the Liberal Arts and General Education* (R-1)
(6) Must submit a Master thesis and pass the final exam. (R-1)(R-2)
(7) Should obtain credits of *Sustainable Engineering Technology* (R-2)(R-3)
(8) 16 credits must be acquired from the *subjects provided by ICT course* (R-2)

Important notice

(1) This guide is only valid for students whose admission year of 2013 and 2014.
(2) Must check the official information above.
(3) Courses classification such as the Departmental Courses is provided in p.3.
(4) In ICT special course, there are two names of the same lecture provided in English language, e.g.,
(A) Advanced Electromagnetic Waves
(B) Advanced Electromagnetic Waves (IGP-A) ICT
Please take the lecture having "(IGP-A ICT)" in the lecture name like (B). If you take the lecture like (A), you may not satisfy the requirements.
(5) Req. (8) of Master students in Dept. CE can include the Credits from the Seminar Courses.
(6) We strongly recommend to obtain SET at Master course, but you may obtain it at Doctoral course.

Version in Oct. 9, 2014.

Interim Guide to IGP-A SEP ICT special course (For admission year 2013&2014 students) in Dept. Communications and Computer Engineering)

Course guideline and required credits for Doctoral Course

International Graduate Program (IGP)

Sustainable Engineering Program (SEP)

Information and Communication Technology (ICT)

Dept. Communications and Computer Engineering (CE),
Graduate School of Science and Engineering (Engineering School),
Tokyo Institute of Technology

Classification of requirements

Students in IGP-A SEP ICT special course must satisfy the following three requirements:

(R-1) Requirements for the Department you belong to.

(R-2) Requirements for SEP.

(R-3) Requirements for Sustainable Engineering (SE) special education course if you did not satisfy (R-3) at the time of Master course graduation.

General rules

4) To graduate Master and Doctoral level of your department, you must satisfy (R-1).

5) To graduate SEP, you must satisfy (R-2).

6) Since SEP does not issue any certificates of graduation, we prepare SE special education course. You must satisfy (R-3) if you did not satisfy (R-3) at the time of Master course graduation.

Official information

(R-1) For students of Depts. EE and PE, please consult with your supervisor.

For students of Dept. CE, please look at http://www.ce.titech.ac.jp/curriculum.html

(R-2) Please find information of SEP from http://www.titech.ac.jp/guide/guide_25/ for students with entrance year of 2013, and from http://www.titech.ac.jp/guide/guide_26 for students of 2014. You must have a CD-ROM which includes the same information written in the above web site.

(R-3) http://www.eng.titech.ac.jp/ingp/files/SE_OutlineEN[1].pdf

Quick chart for

Doctoral students in Dept CE

(1) 30 credits including Master's credit (R-1)

(2) Credits from *the Seminar Courses* in each term (R-1) (R-2)

(3) The candidate must pass the foreign language exam (R-1)

(4) Sufficient research activities such as presentations at international conferences and journal publications. (R-1)

(5) Must first pass the midterm exam. Then, must submit Doctoral thesis and pass the final exam. (R-1) (R-2)

(6) Off-Campus Project must be taken (R-2)

(7) Must obtain credits of *Sustainable Engineering Technology (SET)* when you did not obtain it in Master course (R-3)

Important notice

(1) This guide is only valid for students whose admission year of 2013 and 2014.

(2) Admission year should be based on that of Doctoral Course not on Master Course.

(3) Must check the official information above.

(4) In ICT special course, there are two names of the same lecture provided in English language, e.g.,

(C) Advanced Electromagnetic Waves

(D) Advanced Electromagnetic Waves (IGP-A) ICT

Please take the lecture having "(IGP-A ICT)" in the lecture name like (B). If you take the lecture like (A), you may not satisfy the requirements.

Version in Oct. 9, 2014.

Course Taxonomy in Tokyo Tech (Graduate Schools)

University wide course classifications for R-1

Major category	Minor category	Descriptions
Research Courses (研究科目群)	Seminar Courses (講究科目)	Seminar Courses. (Required)
	Graduate Research Courses (研究関連科目)	Courses about researches for graduate students.
Courses by Departments (専門科目群)	Departmental Courses (専攻専門科目)	Major required courses by the department you are belonging to. (Required)
	Courses in Other Departments (他専門科目)	Courses provided by other departments.
Liberal Arts and General Education (G) (大学院教養・共通科目群)	International Communication (G) (大学院国際コミュニケーション科目)	Courses about international communication for graduate students.
	Japanese Language Programs at International Graduate Students (大学院留学生科目)	Japanese language courses for international graduate students.
	Interdepartmental Courses (G) (大学院広域科目)	Interdepartmental Courses for graduate students.
	(大学院総合科目)	Other category of classes held in Japanese language.
	(大学院文明科目)	
	(大学院キャリア科目)	
	(大学院創造性育成科目)	

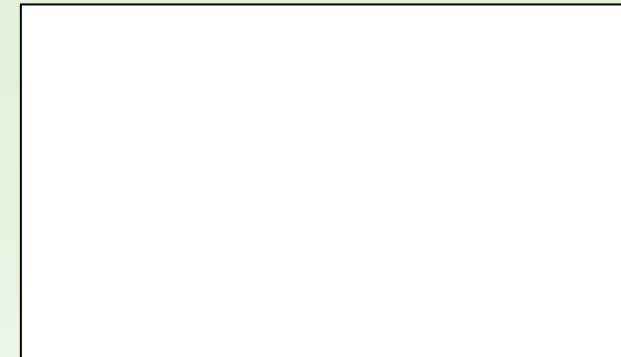## IGP-A SEP course classifications for R-2 and R-3

Category	Descriptions
Common Subjects in SEP	Some common subjects in SEP including Sustainable Engineering Technology (SET), which is a required subject of SEP.
Subjects provided by special course which she/he enrolls in	Subjects provided by each special course of IGP-A SEP. The subjects in this category are equivalent to "Departmental Courses" plus "Seminar Courses" in university wide course classification.
Subjects provided by other special courses	Subjects provided by other special course in SEP. Almost of all subjects in this category are included by "Courses in Other Departments" in university wide course classification.

Interim Friendly Guide for Master course students in IGP-A SEP ICT

(For admission year 2013 & 2014 students)

University wide course classifications	
Major category	Minor Category
(A) Research Courses	(B) Seminar Courses
	Graduate Research Courses
(C) Courses by Departments	(D) Departmental Courses
	(E) Courses in Other Departments
(F) Liberal Arts and General Education	No matter minor categories

IGP-A SEP course classifications	
Category	Specific Subject etc.
(G) Common Subjects in SEP	(H) Sustainable Engineering Technology (SET)
(I) Subjects provided by ICT special course	(I) = (B) + (D) + Off-campus projects for Doctoral students
(J) Subjects provided by other special course	(J) = (E) + Seminar courses and off-campus projects for students in other special course

Master students in Dept CE

(1) (A) + (C) + (F) >= 30

(2) (A) + (C) >= 24

(3) (B) >= 8

(4) (D) >= 14 and (E) >= 2

(5) (F) >= 2

(6) N/A

(7) Should obtain (H)

(8) (I) >= 16 which means (B) + (D) >=16

Note:

- Different rules may apply to the students with admission year not of 2013 or not of 2014.
- Courses, of which name includes (IGP-A ICT), will be classified into (D) even if it is provided by a different department you belong to (= Dept. EE, PE, or CE).
- Credits of SET is categorized into (F) in the University wide course classifications.
- You can include credits of Seminar Courses into (I). Formally speaking, all subjects included in the following table about ICT course, in Guide to Graduate Education and International Graduate Program, are classified into (I).   http://www.titech.ac.jp/guide/guide_26/English/pdf/0100.pdf#page=19 for 2014 students.
- Please check the first page for the details.