Space Engineering International Course subjects

	Subjects	Credit	Note
1	Introduction to Satellite Engineering	2	
2	Satellite Power Systems	2	
3	Space Environment Testing	2	
4	Spacecraft Environment Interaction Engineering	2	
5	Advanced Course of Aerospace Guidance and Control	2	
6	Semiconductor Power Devices	2	
7	Spacecraft Structure and Material	2	
8	Space Systems Engineering	2	
9	Energy Conversion and Plasma Physics	2	
10	Advanced Space Dynamics	2	
11	High-speed Gas Dynamics	2	
12	Advanced High Velocity Impact Engineering	2	
13	Space Propulsion	2	
14	Advanced Mechanics of Materials	2	
15	Heat Transfer	2	
16	Practical System Engineering-Design	4	PBL subject/Mandatory for Master course
17	Space Environment Testing Workshop	1	Mandatory for Master course
18	EnglishⅢ	1	Japanese students only (Mandatory)
19	Japanese for Beginners	1	Foreign students only (Mandatory)
20	Thesis Research for Degree	2	Register in own department
21	Engineering Special Experiment	2	Register in own department
22	Practical experience in companies or organizations	Max 2	Register in own department
23	Lectures arranged by external organizations	Max 2	
24	Interdisciplinary Seminar of Engineering Ⅰ～Ⅴ	1each	
25	Interdisciplinary Seminar of Engineering Ⅵ～Ⅶ	1each	Working-students only
26	Project Research Ⅰ(Specialty-deepening type)	1	
27	Project Research Ⅱ～Ⅳ(Specialty-broadening type)	1	
28	Internship (Overseas type)	2	
29	Internship (Company type)	2	
30	Field Research Project	2	
31	Special Studies	2	

Note: This table is current as of October 2014. Subjects may change later.

Inquiry
E-mail: pnst@lagmuir.ele.kyutech.ac.jp
URL: http://cent.ele.kyutech.ac.jp/seic/seic_web.html

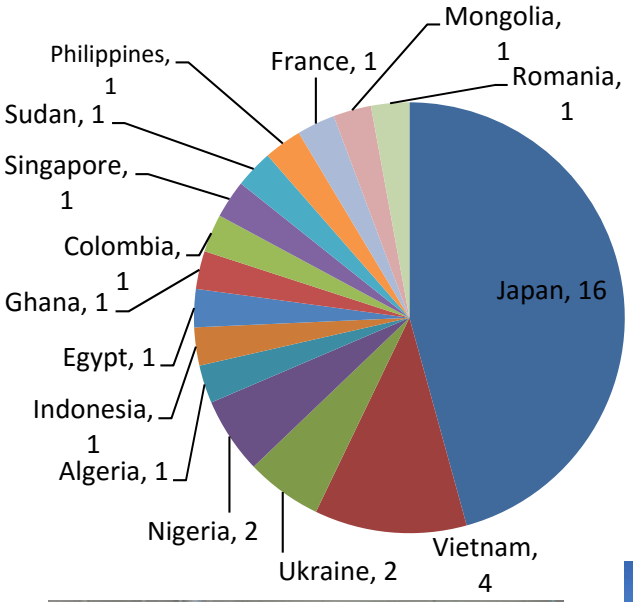
Space Engineering International Course

Graduate School of Engineering
Kyushu Institute of Technology

Kyutech
Kyushu Institute of Technology

Space Engineering International Course (SEIC)

Nationality of SEIC (October 2014)



The Space Engineering International Course (SEIC) is designed for aspiring students and engineers with passion for space, satellites, or the desire to return skills and technology to their home country.

Highlights:

- Lectures based in English
- Interdisciplinary projects
- Multicultural teams
- Learn Japanese for Beginners
- Eat great Japanese food!

Space projects

Get involved in space projects!

- Send nano-satellites to LEO
- Launch cubesats from ISS
- Design and test winged rocket
- Showcase work at meetings and conferences worldwide

Winged Rocket Flight experiment

Career Development Opportunities

SEIC is an ideal space engineering degree for you to both advance your career and contribute to space technology in your own country. There are two tracks:

1) Masters course: 2 years
2) Doctoral course: 3 years (prior Masters required)

In SEIC you will have access to top-notch research laboratories and satellite development and testing centers. You will also work in interdisciplinary, multicultural teams, and gain the skills necessary to carry out the full cycle of satellite design, test, operation, systems engineering, and project management. After completing you degree you will be positioned to start a space or satellite project in your own country!

Components of SEIC

SEIC is composed of four required components:

1. Research under supervision of a faculty member toward a Master or Doctoral degree
2. On-the-job training through hands-on experience such as space environment testing
3. Project Based Learning (PBL) through a space project led by Japanese and foreign students
4. Lectures in English on subjects related to space engineering