

國立臺灣師範大學與 日本九州大學碩士雙聯學位



物理學系 劉祥麟
2023年10月03日

院級碩士雙聯學位計畫

雙向雙聯：
每學年
5
個名額

資格

本校科技與工程學院及理學院大四學生或碩士學生

修業期限

在九州大學註冊3學期(免繳學雜費) ，**實體修課1學期**
與鼓勵參加1次暑期學校課程

報名情形

電機系5名，機電系1名，科技系1名，工教系1名，
化學系1名

碩士雙聯學位計畫 - 九州大學

修課內容

為取得九州大學碩士學位，參與此計畫之本校學生需修習至少**30學分**，且可抵免本校修習研究所專業課程至多**10學分**

碩士學位考試

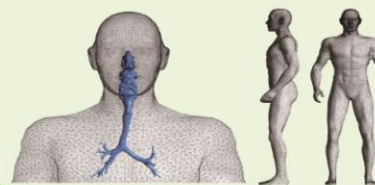
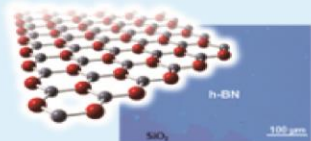
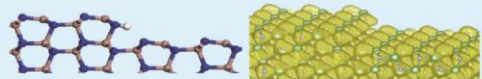
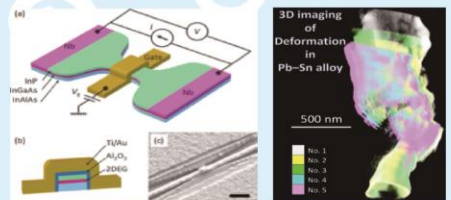
以在本校的研究成果撰寫**40頁以上**的英文版本論文，由本校與九州大學各**3位**教師組成碩士學位考試委員會

九州大學院級課程

| Course type | Course title | Credit | Remark | Must-obtain credits |
|---|--|---------------------------|---|---------------------------|
| Compulsory | Seminar on Laboratory Safety | 1 | 0.5 day seminar | 8 |
| | Experiments on Engineering Sciences | 4 | Thesis work, given by KU supervisor | |
| | Exercises on Engineering Sciences | 2 | | |
| | Essential Points of Interdisciplinary Engineering Sciences | 1 | Seminar | |
| Special course for DD students | Communication Skills in English | 2 | Spring, Fall DD students should take | 2 |
| CA-EEST courses (Compulsory selective) | Advanced topics of Energy, Environment and Materials I | 2 | 1 st semester, 2 nd semester | Optional (at least 10) |
| | Advanced topics of Energy, Environment and Materials II | 2 | 1 st semester, 2 nd semester | |
| | Research Seminar on Energy and Environmental Science and Engineering | 2 | 1 st semester, 2 nd semester | |
| | Fundamentals of Energy and Environmental Science and Engineering I | 1 | 1 st Summer School (latter half of August, 1 st year) | |
| | Fundamentals of Energy and Environmental Science and Engineering II | 1 | | |
| | Advanced Seminar on Energy and Environmental Science and Engineering I | 1 | | |
| | Advanced Course on Energy and Environmental Science and Engineering I | 1 | 2 nd Summer School (latter half of August, 2 nd year) | |
| | Advanced Course on Energy and Environmental Science and Engineering II | 1 | | |
| Advanced Seminar on Energy and Environmental Science and Engineering II | 1 | | | |
| Subjects for Active Learning | Communication Skills in Japanese | (1) | advanced course (0 credit) in Japanese is also available | |
| Major courses (Compulsory selective) | Provided by each Major More than 10 courses in total per semester | 1 or 2 for each course | following instructions of KU supervisor, if any | |

Physical Science and Engineering of Materials and Devices

aims to develop researchers and highly specialized engineers who can act in various fields involving the development of environmentally symbiotic materials through the study and practice of advanced materials design, evaluation, and processing, with materials engineering as its core.



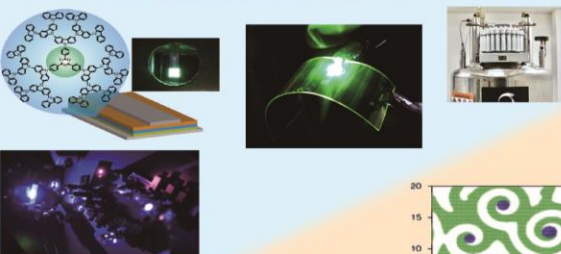
Mechanical and System Engineering

aims to develop creative researchers and highly specialized engineers who can lead the next generation with a comprehensive and broad perspective through education and research on the construction of sustainable social systems based on mechanical engineering and systems science and engineering.



Chemistry and Materials Science

aims to develop researchers and highly specialized engineers, who can be involved in advanced scientific research and the development of advanced environmentally symbiotic technologies, and who can act in fields that border on other fields with chemistry and materials science as its core academic field.



Material Science

INTERDISCIPLINARY GRADUATE SCHOOL OF ENGINEERING SCIENCES KYUSHU UNIVERSITY

IGSES is committed to graduate education and research in the fields of materials, energy, environment, and their interdisciplinary fields, with the vision of fostering "Engineers and researchers with advanced expertise and problem-solving skills in science and technology for environmental coexistence in materials, energy, environment, and their interdisciplinary fields, and who can play a global role in building a society of sustainable development."

IGSES was founded in 1979 as an independent graduate school without an undergraduate school and is one of the few graduate educational institutions in Japan with a proven track record and tradition of dedication to academic graduate education. The Graduate School of Science and Technology seeks "students with a strong interest in and awareness of environmentally symbiotic science and technology with a focus on materials, energy and the environment, as well as those with sufficient academic ability and desire to study".

<https://www.youtube.com/watch?v=nWj8jXATMnY>



Environmental Science and Engineering

Earth System Science and Technology

aims to develop researchers and highly specialized engineers who can act globally in solving global environmental problems by acquiring cutting-edge technology in the field that integrates and unifies global environmental science and atmospheric/oceanic engineering.



Energy Systems

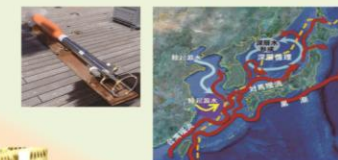
Device Science and Engineering

aims to develop researchers and highly specialized engineers who can act in the advanced field of device development for environmentally symbiotic configurations, making full use of engineering related to the design and fabrication of semiconductor devices, their characterization, and system development.



Plasma and Quantum Science and Engineering

aims to develop researchers and highly specialized engineers who can act in advanced fields of high-energy fundamentals and applications, from the development of new energy to the development of environmentally symbiotic materials, using plasma science and quantum science.



九州大學院級指導教授

| Major | Laboratory | |
|--|--|--|
| Science and Engineering of Materials and Devices | 1 NAKASHIMA Hideharu · MITSUHARA Masatoshi | Structural Materials Science |
| | 2 HASHIZUME Kenichi | Materials Science and Engineering under Extreme Conditions |
| | 3 WATANABE Hideo | Extreme State Science for Nuclear Materials |
| Chemistry and Materials Science | 4 ALBRECHT Ken | Materials Science for Electrochemistry |
| | 5 YOON Seong Ho · MIYAWAKI Jin | Device Materials Science |
| Device Science and Engineering | 6 HAMAMOTO Kiichi | Opto-Electronics |
| | 7 WANG Dong | Functional Device Engineering |
| Plasma and Quantum Science and Engineering | 8 YAMAMOTO Naoji | Advanced Space Propulsion Engineering |
| | 9 KATAYAMA Kazunari | Energy Chemical Engineering |
| Mechanical and Systems Engineering | 10 ANYOJI Masayuki | High-speed Gas Dynamics |
| | 11 WATANABE Hiroaki | Thermal Science and Energy |
| | 12 MIYAZAKI Takahiko · KYAW Thu | Thermal Energy Conversion Systems |
| | 13 TASHIMA Hiroshi | Engine and Combustion |
| | 14 HAGISHIMA Aya | Urban Environmental Sciences |
| | 15 IKEGAYA Naoki | Urban Environmental Sciences |
| | 16 TANIMOTO Jun | Science on social & environmental complex systems |
| | 17 ITO Kazuhide | Architectural Environmental Engineering |
| | 18 FARZANEH Hooman | Energy and Environmental Systems |
| | 19 HU Changhong | Marine Environment and Energy Engineering |
| | Earth System Science and Technology | 20 SUGIHARA Yuji |
| 21 ELJAMAL Osama | | Water and Environmental Engineering |
| | | |

獎學金



九州大学
KYUSHU UNIVERSITY

申請日本政府獎學金，每月約日幣8萬元



國立臺灣師範大學

1. 申請教育部學海飛颺補助，1學期約新臺幣6萬元
2. 申請本校鼓勵學生赴境外進修補助，1學期約新臺幣3.5萬元

今年申請時程與資料

截止日期

2023年11月2日前寄送申請資料給學院辦公室，12月下旬公告錄取名單

申請資料

1. 申請表件檢核表
2. 學院赴外交換申請表
3. 英文版學士班學位證書正本或經教務處檢核之學位證明正本
4. 英文版學、碩士班歷年成績單正本
5. 外語能力證明 (托福、多益等)
6. 護照影本
7. 個人優良品蹟或活動證明影本 (無則免附)
8. 九州大學申請文件資料 (下載)