

## 1. Host Institution Name

AGH University of Science and Technology

Web: <https://www.agh.edu.pl/en>

EEE Web: <https://www.e3.agh.edu.pl/>



## 2. Country and Region

Poland, Kraków

Address : [aleja Adama Mickiewicza 30, 30-059 Kraków, Poland](#)

## 3. Outline of this Program

To promote education and research in energy and environmental engineering in collaboration with AGH University of Science and Technology in Poland, with the aim of fostering global science and engineering human resources who can solve global-scale issues related to energy and the environment in collaboration with engineers and researchers in other countries. Students can take both the AGH University of Science and the Shibaura Institute of Technology master's degrees.

## 4. Academic Level (Master/Doctor)

Master

## 5. Research Field

Energy and Environmental Engineering

## 6. Language

English

## 7. Tuition Fee

Pay only to your own university (not to the host university)

## 8. Implemented Course

Graduate School of Engineering and Science, Global course of Engineering and Science

## 9. Period of Program

2 years

### 10. Period of Stay Abroad

A half year

### 11. Study Rotation

1st Sem :Home university, 2nd Sem : AGH, 3rd Sem: SIT, 4th Sem :Home university

| Rotation         | 1st Semester  |  |   | 2nd Semester   |   |   | 3rd Semester   |   |    | 4th Semester  |   |   |   |  |   |   |   |   |   |   |    |    |   |   |   |
|------------------|---|--|---|--|---|---|--|---|----|---|---|---|---|--|---|---|---|---|---|---|----|----|---|---|---|
|                  | Each Home University  |  |   | AGH(In Poland)   |   |   | SIT(Japan)   |   |    | Each Home University  |   |   |   |  |   |   |   |   |   |   |    |    |   |   |   |
| Outline of Study | •Orientation<br>•Setting of research theme<br>•Face-to-face and remote classes on basic fundamental subject<br>•Research guidance |  |   | •Specialized education in the physical and chemical fields of heat energy transfer and its analysis<br>•Global PBL<br>Research guidance<br>•Polish culture and history<br>•Polish language (for Japanese students) |   |   | •Specialized education in energy and environmental materials<br>•Research guidance using Techno Plaza<br>•Global PBL<br>•Student Conference<br>•Japanese culture and history<br>•Japanese language (for Polish students) |   |    | •Fostering further expertise in accordance with research themes<br>•Research guidance<br>•Fostering practical skills for post-graduation career<br>•Master's thesis writing and presentation in English |   |   |   |  |   |   |   |   |   |   |    |    |   |   |   |
| Month            | 3   | 4  | 5 | 6  | 7 | 8 | 9  | 10  | 11 | 12  | 1 | 2 | 3 | 4  | 5 | 6 | 7 | 8 | 9   | 10  | 11 | 12 | 1 | 2 | 3 |
| SIT              |   | •Orientation<br>•Taking the classes<br>•Selection of the supervisors<br>•Research guidance |   |  |   |   |  |   |    |   |   |   |   | •Orientation<br>•Registration of the classes<br>•Research guidance<br>•Middle presentation of the master thesis. |   |   |   |   | •Research guidance<br>•Final presentaion of master thesis<br>•Judgement of the completion |   |    |    |   |   |   |
| AGH              | Preparation   | •Orientation<br>•Taking the classes<br>•Selection of the supervisors<br>•Research guidance |   |  |   |   |  | •Orientation<br>•Taking the classes<br>•Research guidance<br>•Submission of the Research plan |    |   |   |   |   |  |   |   |   |   |   | •Research guidance<br>•Final presentaion of master thesis<br>•Judgement of the completion |    |    |   |   |   |

### 12. Completion Requirement

- Students must be enrolled in this course for at least two years.
- Complete the prescribed course work to obtain a total of at least 120 ECTS (60 credits), which include
  - at least 16 ECTS (8 credits) from basic specialized subjects (of which 16 ECTS (8 credits) are required)
  - at least 28 ECTS (14 credits) from specialized subjects offered by SIT and AGH (of which 16ECTS (8 credits) are required)
  - 52 ECTS (26 credits) from research guidance subjects offered by SIT and AGH
  - 12 ECTS (6 credits) from active learning subjects
  - 12 ECTS (6 credits) from language and culture history subjects
- Students must write a Master's thesis in English and pass the thesis presentation examination and final examination.
- In addition, satisfy the diploma policy of “Global course of Engineering and Science”.
- ※ Students who fulfill the completion requirements of this course will automatically fulfill

the completion requirements of “Global course of Engineering and Science”.

### 13. Subject Assignment List

[https://www.shibaura-it.ac.jp/faculty/graduate/pdf/AGH/2021/subject\\_list.html](https://www.shibaura-it.ac.jp/faculty/graduate/pdf/AGH/2021/subject_list.html)

### 14. Other Remarks

- Students in this course can change their program to a general course in the Global course of Engineering and Science with the permission of their supervisors at both universities. (Change from Fall: by early September, Change from Spring: by early March)
- Due to study rotation, only annual leaves of absence are permitted. (A leave of absence of six months is not permitted.)
- The rules other than this guideline will be in accordance with the rules in the “[学修の手引](#) (Academic Guide)”.