# COURSE DETAIL

## CHEMICAL AND BIOMOLECULAR ENGINEERING

**Country**
Japan

**Host Institution**
Tohoku University

**Program(s)**
Engineering and Science

**UCEAP Course Level**
Upper Division

**UCEAP Subject Area(s)**
Chemical Engineering Bioengineering

**UCEAP Course Number**
102

**UCEAP Course Suffix**
A

**UCEAP Official Title**
CHEMICAL AND BIOMOLECULAR ENGINEERING

**UCEAP Transcript Title**
CHEM BIOMOLEC ENGR

**UCEAP Quarter Units**
3.00

**UCEAP Semester Units**

2.00

**Course Description**

The material world is surrounded by a large number of chemical products manufactured with various types of materials including organic, inorganic and their composite materials. Even in the human body, biological materials are constantly being produced with the help of specialized enzymes and biochemical reactions. This coures provides chemistry-oriented topics concerned with the development of functional materials in various areas of engineering.

This course covers basic aspects of chemical production, with special emphasis on environmentally friendly methodologies for the synthesis of fine chemicals and advanced materials.

**Language(s) of Instruction**
English

**Host Institution Course Number**
N/A

**Host Institution Course Title**
CHEMICAL AND BIOMOLECULAR ENGINEERING I

**Host Institution Course Details**
https://www.insc.tohoku.ac.jp/english/wp-content/uploads/2024/04/TB37091.pdf

**Host Institution Campus**
Tohoku University

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**
JYPE

**Course Last Reviewed**
2023-2024

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