

# COURSE DETAIL

## BIOSYNTHESIS AND BIOENERGETICS

**Country**

United Kingdom - England

**Host Institution**

University of Manchester

**Program(s)**

University of Manchester

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Biochemistry

**UCEAP Course Number**

103

**UCEAP Course Suffix****UCEAP Official Title**

BIOSYNTHESIS AND BIOENERGETICS

**UCEAP Transcript Title**

BIOSYNTH&BIOENERGET

**UCEAP Quarter Units**

4.00

**UCEAP Semester Units**

2.70

## Course Description

The course covers various aspects of biosynthesis and bioenergetics. The course provides students with important information relevant to understanding the living cell as a chemical reactor, focusing on the chemistry of biosynthesis and bioenergetics underpinning this. The chemistry of key metabolic functions including energy-generating processes such as glycolysis, the citric acid cycle, respiration, photosynthesis as well as aspects regarding control of metabolic flux in the cell are looked at in detail. The course includes a detailed look at information flow and molecular machinery of the cell.

## Language(s) of Instruction

English

## Host Institution Course Number

CHEM30712

## Host Institution Course Title

BIOSYNTHESIS AND BIOENERGETICS

## Host Institution Course Details

<https://www.manchester.ac.uk/study/undergraduate/courses/2023/00544/bsc-chemist...>

## Host Institution Campus

University of Manchester

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Chemistry

## Course Last Reviewed

2022-2023

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