

CHEE 511. CATALYSIS FOR SUSTAINABLE FUELS AND CHEMICALS.

Credits: 3

Offered by: Chemical Engineering (Faculty of Engineering)

Terms offered: Winter 2026

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Description

Introduction to catalytic processes for the production of sustainable fuels and chemicals. Topics: From fossil fuel to renewable fuel. Syngas vs. platform route. Biomass upgrading. Renewable natural gas. CO₂ as chemical building block. Theory of photo- and electro-catalysis.

- (3-0-6)
- Prerequisites: CHEE 204 and CHEE 310 or permission of instructor.
- Course open to U3 Chemical Engineering undergraduate students and graduate students in Chemical Engineering.

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