

Biorefinery course

3.-12.5.2021

KE00CG69-3001

5 ECTS

ÅAU students can enroll in via Peppi

Students from other institutions, please contact the responsible teacher

The aim of the course is to

- link in a versatile way the concept of biorefinery as part of a circular economy
- illustrate the use of chemical engineering in biorefineries
- provide students with basic information about different biorefinery concepts and the related technical issues

After the course, the student should be able to explain the concepts of **circular economy** and biorefinery, present and describe a biorefinery concept of his/her own choice, apply chemical engineering tools to the biorefinery concept, apply principles of **chemical engineering** on biomass conversion to products, chemicals, and energy critically assess the advantages and disadvantages of a **biorefinery**. Since the course is given as an intensive course, presence during the lectures is very important.

The student will learn to

- work in teams
- perform a proper literature search
- combine knowledge from different fields
- report and present project progress
- give and receive positive feedback

More information from

Maria Zevenhoven (maria.zevenhoven@abo.fi)

Henrik Grénman (henrik.grenman@abo.fi)