

UUDET OPINTOJAKSOT/NEW COURSES				
Tunniste/Code	Opintojakson nimi/Name of the course	Op/ECTS	Vuosikurssi/Year	Periodi/Period
BJ04A1010	Introduction to MSc Studies in Biorefineries*	1	M.Sc. (Tech.) 1	1
BJ04A3010	Chemical and Biochemical Conversion of Biomaterials	5	M.Sc. (Tech.) 1	4 + summer
BJ04A5020	Biorefinery Process Development Project*	10	M.Sc. (Tech.) 2	1-2
BJ04A4010**	Membrane Technology in Biorefining*	5	M.Sc. (Tech.) 1	3-4 + summer
BJ04A4020***	Solid-Liquid Separation in Biorefining*	5	M.Sc. (Tech.) 1	2-4
BJ04A4040	Chemical Separation Methods in Biorefining*	5	M.Sc. (Tech.) 1	3-4 + summer
BJ04A6010****	Biological Waste Water Treatment in Biorefining*	5	M.Sc. (Tech.) 1	non-stop (1-4 + summer)
BJ03A2050	Introduction to Instrumental Water Analysis	5	M.Sc. (Tech.) 1	4

*Only for the students of Biorefineries

**Can't be included in the same degree with course BJ02A3010

***Can't be included in the same degree with course BJ02A3030

****Can't be included in the same degree with course BJ03A1020

MUUTTUVAT OPINTOJAKSOT/COURSES CHANGING			
Uusi opintojakso/New course		Korvaa opintojakson/Replaces the course	
Tunniste/Code	Opintojakson nimi/Name of the course	Op/ECTS	Tunniste, nimi ja op-määrä/Code, name, ECTS
BJ04A2010	Development of New Sustainable Products and Solutions, M.Sc. (Tech.) 1, per. 4-1 (incl. summer)	5	BJ02A4051 Development of New Sustainable Products and Solutions, 5 ECTS
BJ04A5010	Advanced Biorefineries, M.Sc. (Tech.) 1, per. 1-2	5	BJ02A1101 Advanced Biorefineries, 5 ECTS
BJ04A7010	Bioeconomy, M.Sc. (Tech.) 1, non-stop (1-4 + summer)	5	BJ02A1200 Bioeconomy, 5 ECTS
BJ01A3011	Kemiallinen termodynamiikka, TkK 1, per. 3-4	6	BJ01A3010 Kemiallinen termodynamiikka, 5 op
BJ02A3061	Circular Economy for Materials Processing, M.Sc. (Tech.) 1, per. 1-2	5	BJ02A3060 Circular Economy for Materials Processing, 6 ECTS

POISTUVAT OPINTOJAKSOT/COURSES REMOVED			
Tunniste/Code	Opintojakson nimi/Name of the course	Op/ECTS	Korvaava opintojakso (jos päätetty)/Replaced by the course (if any)

BJ02A1090	Environmental and Industrial Analytics	5	BJ03A2050 Introduction to Instrumental Water Analysis
BJ02A1600	Biobased Materials and Advanced Organic Chemistry	5	BJ04A3010 Chemical and Biochemical Conversion of Biomaterials
BJ02A1081	Research Project Course	10	BJ04A5020 Biorefinery Process Development Project

PERIODI- JA VUOSIKURSSIMUUTOKSET/CHANGES TO TEACHING PERIODS AND YEARS			
Tunniste/Code	Opintojakson nimi/Name of the course	2020-21	2021-22
BJ01A5020	Prosessi- ja tehdassuunnittelu	TkK 2, per. 4	TkK 3, per. 1
BJ01A4011	Mekaaniset yksikköoperaatiot	TkK 1, per. 2	TkK 1, per. 3

Jatko-opintojaksomuutokset/Post-graduate course changes 2021-2022

Ei muutoksia jatko-opintojaksoihin/No changes in post-graduate courses