

10 Päätösasia/Decision item: Maisteriohjelmien portfoliouudistustyön reunaehdot: hakukohteet / Boundary conditions in the master's programme portfolio renewal: application targets (Pauliina Ketola)

Perustelut/Justification

Master's Programme in Chemical, Biochemical and Materials Engineering - ohjelman portfoliosuunnittelutyö on painottunut ohjelmiin, jotka perustuvat Kemian tekniikan korkeakoulussa tehtävän tutkimuksen strategisiin painopistealueisiin. Ohjelmiin on aiemmin viitattu termillä klusteri. Suunnittelutyön ohjaamiseksi päätetään suunnittelua sitovista reunaehdoista.

On huomautettava, että liite 7 havainnollistaa tämänhetkisen oletuksen perustettaviksi esitettyjen ohjelmien lukumäärästä ja nimistä, jotka voivat portfoliouudistuksen edetessä muuttua.

While planning the portfolio renewal regarding the Master's Programme in Chemical, Biochemical and Materials Engineering, the strategic research focus areas of the school have been emphasized in the new programmes. Previously these programmes have been referred as clusters. For further guidance in planning the portfolio renewal, binding boundary conditions must be decided.

It should be noted that the attachment 7 describes the current assumption on the number of degree programmes to be established, as well as their names. These may change while the portfolio renewal proceeds.

Liitteet/Appendices

Liite/attachment 7 Portfolio renewal - application targets

Päätösesitys/Decision proposal

Vahvistetaan Koulutusneuvoston esityksen (liite 7) mukaisesti, että portfoliouudistustyön seurauksena perustettavat koulutusohjelmat ovat hakukohteita.

According to the proposal by the Degree Programme Committee (attachment 7) it will be confirmed that degree programmes established as a result of the portfolio renewal are the application targets.

Kokouskäsitely/Handling of the matter

Anni Rintala esitteli asian Pauliina Ketolan poissa ollessa (liite 7). Tarkennettiin,

Kemian tekniikan akateeminen komitea
Academic Committee for Chemical Engineering

Pöytäkirja/Minutes

Kokous/Meeting 7/2022

Aika/Time: 29.11.2022 klo/at 13:00

Paikka/Venue: A303

Julkinen

että päätetään vain siitä, että ohjelmat ovat hakukohteita (ei esimerkiksi ohjelmien nimistä tai lukumääristä).

Anni Rintala presented the item because Pauliina Ketola was absent from the meeting (attachment 7). It was highlighted that the decision concerns only the fact that programmes are application targets (not for example the names of the programmes or number of the programmes).

Päätös/Decision

Päätettiin esityksen mukaisesti. / *The motion was passed as proposed.*

**Esitys portfolio uudistuksen reunaehdoksi:
hakukohteet**
**Proposal for boundary condition for Ms Portfolio
renewal work: Application targets**

Päätösehdotus/Proposal

KTAK/Academic Committee for Chemical Engineering



Aalto University
School of Chemical
Engineering

Pauliina Ketola

29.11.2022

Development of the portfolio in four clusters

Cluster leads nominated by the departments

Bioproducts engineering
Biomass-refining and advanced lignocellulosic-materials

Cluster lead:
Eero Kontturi

Molecular bioscience and Industrial biotechnology

Cluster lead:
Alexander Frey

Chemical and metallurgical engineering

Chemical-engineering and circular-processes

Cluster lead:
Marjatta Louhi-Kuitanen

Chemistry and materials science

Chemistry for renewable-energy and functional materials

Cluster lead:
Kari Laasonen

- Biomass refining
- Fiber and Polymer Engineering
- **N5P in Polymer Technology (discontinuing)**
- Biological and Chemical Engineering for a Sustainable Bioeconomy (Bioceb)

- Biotechnology
- **Biosystems and Biomaterials engineering**

- Chemical and Process Engineering
- Sustainable Metals Processing
- **Industrial Energy Processes (Advanced Energy solutions)**
- European Mining, Minerals and Environmental Programme (EMMEP)

- Chemistry
- Functional Materials
- Advanced Materials for Innovation and Sustainability (AMIS)
- Master's Programme in Energy Storage

- **International Design Business Management (IDBM) -> (includes compulsory CHEM minor)**
- **Creative Sustainability CHEM (connects to research focus area 1 & 3)**
- Environmental Pathways for Sustainable Energy Systems (SELECT) -> selected courses from all study fields (discontinuing)

Cluster leads will lead the discussion and development work in the cluster. Responsibility to take forward development actions and participate in portfolio renewal steering group work.

MSc study offerings:
CHEM own offerings
AALTO Joint offerings
International offerings

Provisional Portfolio Renewal Timeline

Forthcoming decision items

This year:

- Application target and programme structure discussed and finalised
Nov-Dec 22

Early spring:

- Programme names and programme-level ILOs discussed and finalised
in Jan-Feb 23 DPC & KTAK
- Programme proposal by Dean to President in Feb-Mar 23

**Proposal:
Programme = Application Target**

Programme = application target

- **Aiming for clarity for applicants (TEE 2020 evaluation) and doing away with invisible programme structures**
- **Next slide has programme structure example where the names of the programmes will be updated**

**Programme =
application
target**

Draft of the plan for the new structure change from current one big programme to four programmes. Position of international and Aalto joint programmes not included in this. Needs to be decided

**Programme
“Biomass
refining and
advanced
lignocellulosic
materials”**

**Programme
“Molecular
bioscience
and
Industrial
biotechnology”**

**Programme
“Chemical and
metallurgical
engineering”**

**Programme
“Chemistry and
materials science”**