Welcome!

Please take a seat next to a colleague from your cluster.

Please be aware that we have online participants:

- **Use a microphone when speaking**
- **Avoid unnecessary talk because the mics are sensitive**

Portfolio renewal: Progress review & discussion

Jouni Paltakari, Anni Rintala, Pauliina Ketola

1.3.2023

Aalto University
School of Chemical
Engineering

Agenda for today

- 13:00 – 13:15 Welcome & Introduction to questions of the day
- 13:15 – 13:30 Recap of progress & forthcoming milestones
- 13:30 – 14:15 Continuing from CHEM and English-language Bachelor's for 2024 - discussions
- 14:15 – 14:30 Coffee break
- 14:30 – 15:45 Academic evaluation criteria for 2024 - discussions
- 15:45 – 16:00 Conclusions, incl. next steps

Online participants: Use Zoom chat for general comments and questions.

On campus, please be aware that we have online participants:

- ❖ Raise your hand & use a microphone when speaking
- ❖ Avoid unnecessary talk because the mics are sensitive

We will take pauses to go through live and online questions.

Questions for today's session I

Continuing from Aalto BSc programmes to new Master's programmes (focus on Kemian tekniikan kandidaattiohjelma and English BSc programme Chemical Engineering major):

- **How to identify continuation paths?**

Guiding principles are that:

1. **From each BSc major we need to have at least one direct path (no extra courses needed) to a new MSc programme**
2. **To each MSc programme needs to be at least one BSc major with direct path.**
3. **Max. 3 prerequisite BSc courses per MSc programme**
4. **ENGL: there need to be continuation paths to new MSc programmes**

Questions for today's session II

Academic evaluation criteria for 2024 Master's admissions:

- **Should they be changed from criteria currently in use (in addition to 'relevance of previous studies')?**
- **How to design criteria fit for programmes that consist of two former majors?**

Guiding principles are that:

1. **Evaluation criteria should continue to be shared across all CHEM Master's programmes (apart from 'relevance of previous studies');**
2. **Changes to criteria should be kept to minimum but can be readjusted annually**

Context

- **Student cohort sizes are increasing (roughly 80 students annually per programme – BSc & MSc combined)**
- **Majority of Master’s students come from Finnish and English language Bachelor’s programmes; our Bachelor's students continuing to Master's are prioritised over external Master's applicants**

Recap of progress in 2022

- ✓ Mapping requirements of future working life
- ✓ Developing new programmes in ‘clusters’; work led by cluster leaders
- ✓ Identifying ‘purpose’ for each programme
- ✓ Mapping programme-level ILOs for each programme
- ✓ Decision: Programme (and not major) = application target
- ✓ Decision: School-level programme structure
- ✓ Communicating about renewal: website & Teams site

Currently under discussion:

- Chemical and Metallurgical Engineering –cluster/programme discussing steps to take forward for KTAK to be able to make the decision on the programme structure.
- Programme-level ILO's
- CHEM-wide Master's & 'soft skills' ILO's
- High-level programme structure options (i.e. majors vs. tracks)

Decision proposals to DPC of 3/23 and KTAK 4/23

Programme decision only to KTAK 4/23

Pending KTAK decision is delaying Programme proposal by Dean to President (originally planned for Feb-Mar 23)

Forthcoming milestones for spring

- **Work and discussions will begin on:**
  - Student intake numbers
  - Courses for new programmes
  - Marketing of new programmes

Continuing from BSc to MSc programmes

Anni Rintala

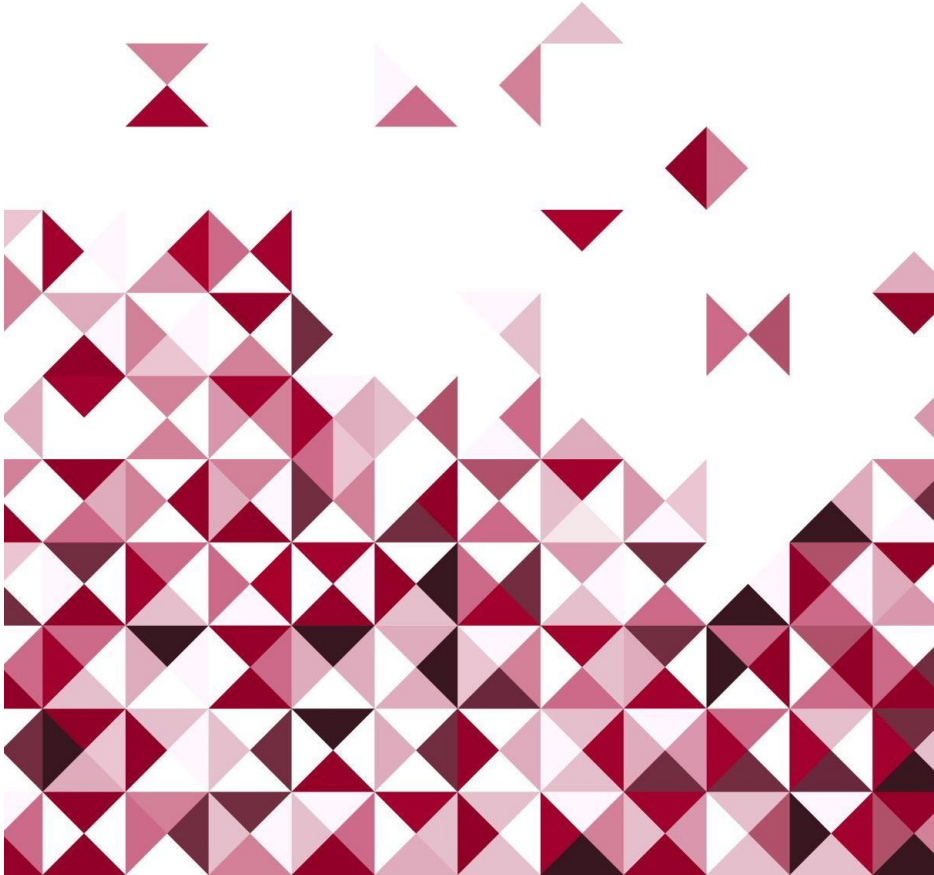
Aalto-yliopisto
Kemian tekniikan korkeakoulu

Power BI report

How students move from

BSc majors to MSc majors

https://app.powerbi.com/links/pCB4gZxF7a?ctid=ae1a7724-4041-4462-a6dc-538cb199707e&pbi_source=linkShare&bookmarkGuid=5cf0fd4e-9f1c-4851-bb71-78e47dfc3839



Aalto-yliopisto
Kemian tekniikan korkeakoulu

Continuing from BSc to Chemical, Biochemical and Materials Engineering

-majors in curriculums

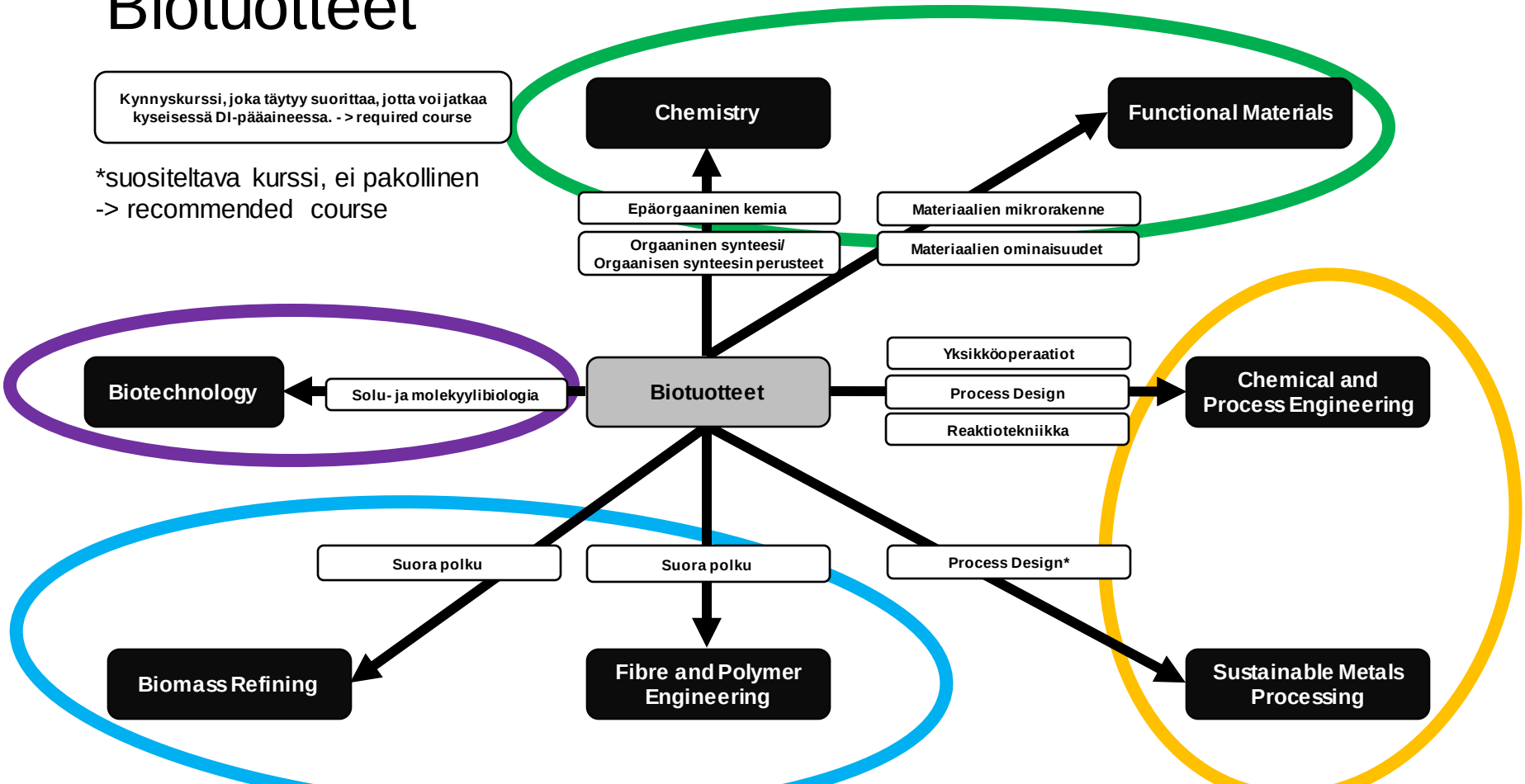
2018-2020

2020-2022

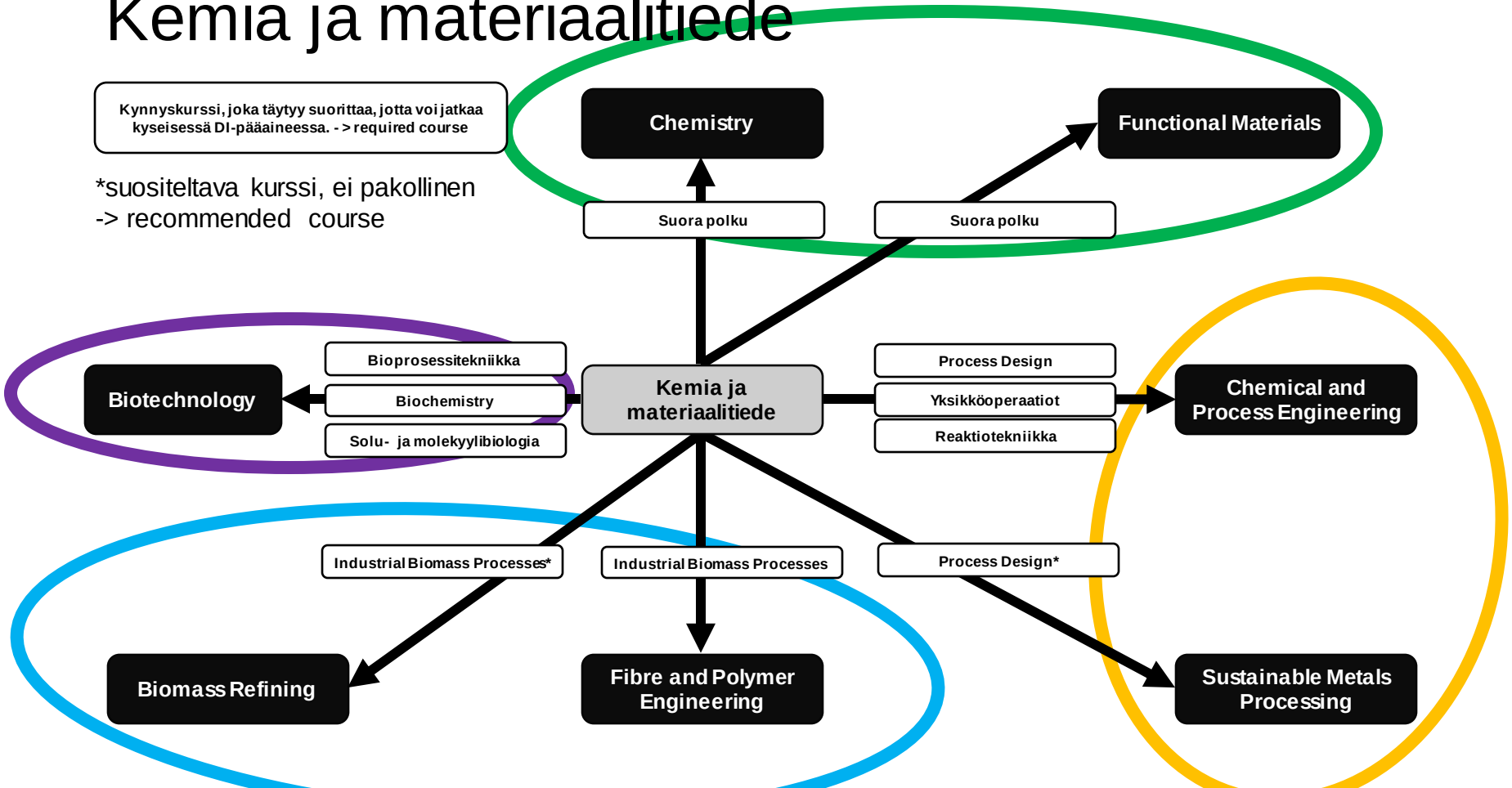
2022-2024

Aalto-yliopisto
Kemian tekniikan korkeakoulu

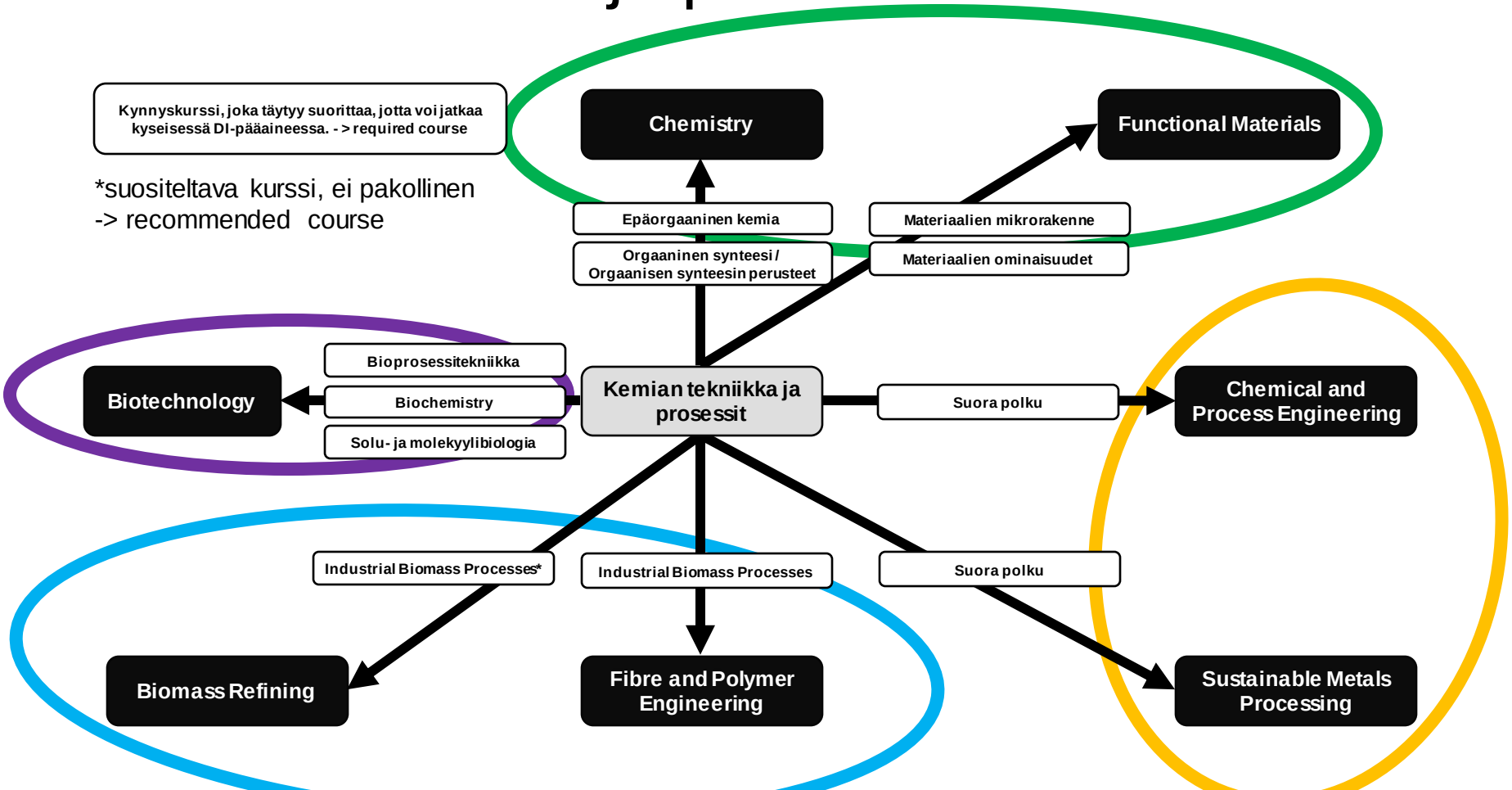
Biotuotteet



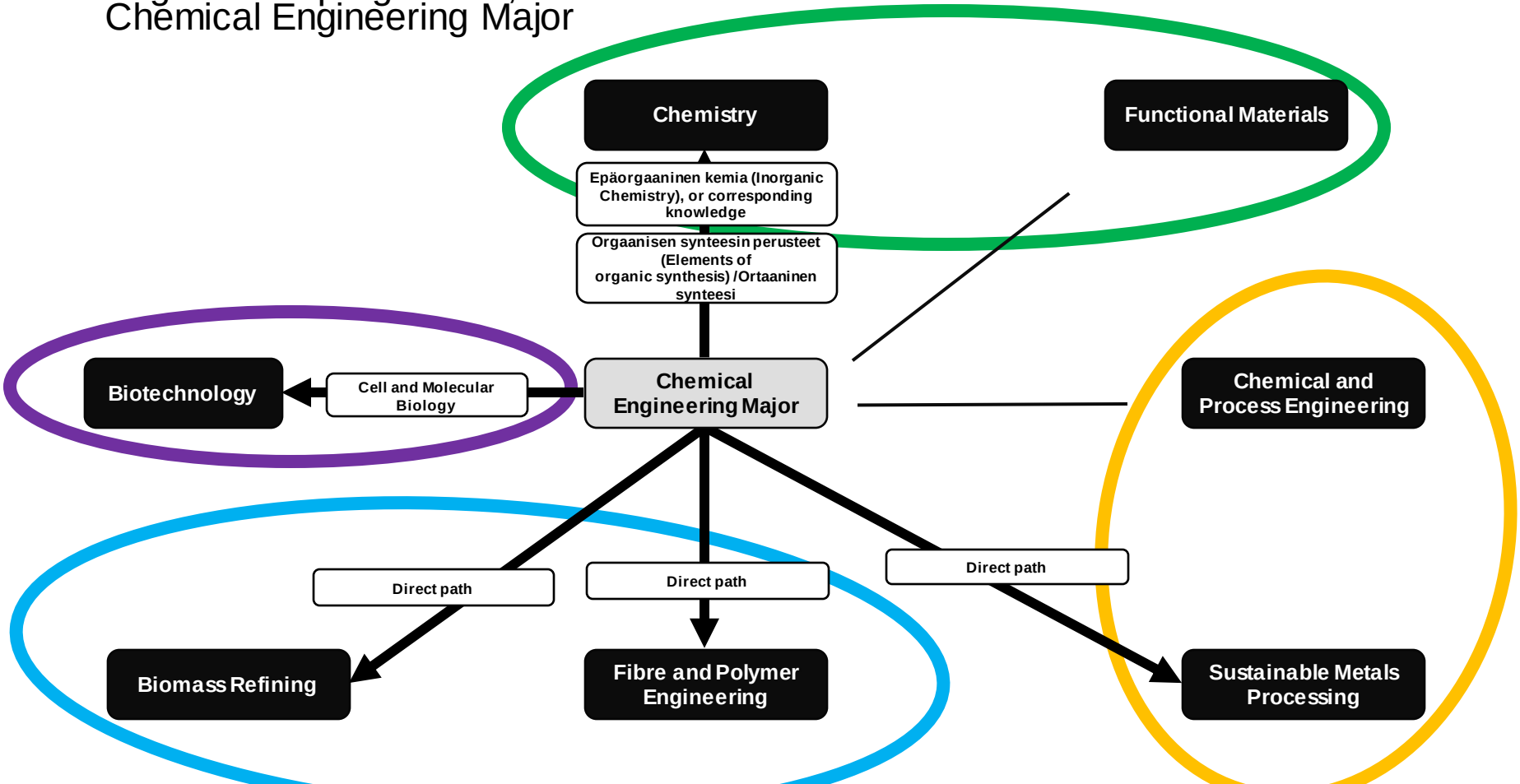
Kemia ja materiaalitiede



Kemian tekniikka ja prosessit



English BSc programme, Chemical Engineering Major



Discussion

presemo.aalto.fi/chemportfolio1march

On campus: We will show first 2 majors for 15 min, then the other two for 15 min

Online: We will share a PDF with these instructions and course requirements

1. **Discuss with colleague next to you prerequisite courses required for continuing from Bachelor's major / programme to your new programme**
2. **In the Presemo:**
    1. Think what is fine / is in need of updating
    2. Note down your observations: What should be updated and why?

Evaluation criteria for 2024

Programmes as application targets

Programmes = application targets

As per KTAK 7/22 decision, degree programmes established as result of portfolio renewal are application targets

- **Each new programme will be application target**
- **Major/track cannot be application target**
- **There cannot be quotas for different major/track applicants**
- **We need to establish criteria that work for new programmes**

Best practice from ELEC & SCI

- **Master's programmes that are single application targets but consist of different majors**
- **Students apply to programme but declare preference(s) for major(s) in motivation letter/separate survey**
- **Students are assessed from point of view of their preferred major**
- **Once admitted to programme, students tend to follow declared study path**

Best practice from ELEC & SCI

- **No means of directing how many applicants each major attracts**
  - Student numbers vary annually and are impacted by world events, trends, etc
  - Majors' attractiveness can be boosted by investing in marketing
  - There's extra budget for marketing
- **Once admitted, students can be guided via HOPS, academic advisement, etc**

➢ **Intention is that CHEM adopts ELEC & SCI model**

Current CHEM evaluation criteria in short

Criteria	Academic performance	Relevance of previous studies	Recognition and quality of institution	Suitability	Other areas of competence
What is evaluated	GPA of the bachelor's degree	Content and quantity of previous studies in relation to the applied study option-specific requirements	Recognition and quality of the applicant's previous institution	Applicant's further applicability to the study option, motivation and commitment for the studies	Work experience and other acquired knowledge/ achievements e.g. publications (*& interest in sustainable development issues for Creative sustainability*)
Scale	0-5	0-5	0-5	0-5	0-5
Criticality	Critical*	Critical*	Not critical	Not critical	Not critical
Weight	4	4	2	1	1
Responsible person	LES	Academic	LES	Academic	Academic

Aalto University
School of Chemical
Engineering

*Critical: 0 points → rejection

Evaluation criteria for 2024

- **What changes are needed?**

Guiding principles:

- **Evaluation criteria should be shared across all CHEM Master's programmes (apart from 'relevance of previous studies');**
- **Changes should be kept to minimum**

1. **Go to** presemo.aalto.fi/chemportfolio1march
2. **On Campus: Discuss in pairs and provide your feedback & input**
   In Zoom: Think by yourself
3. **Feedback discussed together**

Current CHEM evaluation criteria in short

Criteria	Academic performance	Relevance of previous studies	Recognition and quality of institution	Suitability	Other areas of competence
What is evaluated	GPA of the bachelor's degree	Content and quantity of previous studies in relation to the applied study option-specific requirements	Recognition and quality of the applicant's previous institution	Applicant's further applicability to the study option, motivation and commitment for the studies	Work experience and other acquired knowledge/ achievements e.g. publications *(interest in sustainability for CS)*
Scale	0-5	0-5	0-5	0-5	0-5
Criticality	Critical*	Critical*	Not critical	Not critical	Not critical
Weight	4	4	2	1	1
Responsible person	LES	Academic	LES	Academic	Academic

*Critical: 0 points → rejection

Current CHEM evaluation criteria in short

Criteria	Academic performance	Relevance of previous studies	Recognition and quality of institution	Suitability	Other areas of competence
What is evaluated	GPA of the bachelor's degree	Content and quantity of previous studies in relation to the applied study option-specific requirements	Recognition and quality of the applicant's previous institution	Applicant's further applicability to the study option, motivation and commitment for the studies	Work experience and other acquired knowledge/ achievements e.g. publications *(interest in sustainability for CS)*
Scale	0-5	0-5	0-5	0-5	0-5
Criticality	Critical*	Critical*	Not critical	Not critical	Not critical
Weight	4	4	2	1	1
Responsible person	LES	Academic	LES	Academic	Academic

Aalto University
School of Chemical
Engineering

*Critical: 0 points → rejection

Current CHEM evaluation criteria in short

Criteria	Academic performance	Relevance of previous studies	Recognition and quality of institution	Suitability	Other areas of competence
What is evaluated	GPA of the bachelor's degree	Content and quantity of previous studies in relation to the applied study option-specific requirements	Recognition and quality of the applicant's previous institution	Applicant's further applicability to the study option, motivation and commitment for the studies	Work experience and other acquired knowledge/ achievements e.g. publications *(interest in sustainability for CS)*
Scale	0-5	0-5	0-5	0-5	0-5
Criticality	Critical*	Critical*	Not critical	Not critical	Not critical
Weight	4	4	2	1	1
Responsible person	LES	Academic	LES	Academic	Academic

Aalto University
School of Chemical
Engineering

*Critical: 0 points → rejection

Current CHEM evaluation criteria in short

Criteria	Academic performance	Relevance of previous studies	Recognition and quality of institution	Suitability	Other areas of competence
What is evaluated	GPA of the bachelor's degree	Content and quantity of previous studies in relation to the applied study option-specific requirements	Recognition and quality of the applicant's previous institution	Applicant's further applicability to the study option, motivation and commitment for the studies	Work experience and other acquired knowledge/ achievements e.g. publications *(interest in sustainability for CS)*
Scale	0-5	0-5	0-5	0-5	0-5
Criticality	Critical*	Critical*	Not critical	Not critical	Not critical
Weight	4	4	2	1	1
Responsible person	LES	Academic	LES	Academic	Academic

Aalto University
School of Chemical
Engineering

*Critical: 0 points → rejection

Forthcoming deadlines for clusters

Document/other outcome	Deadline for clusters	Next steps (for cluster information)
Programme-level ILO's and high-level structures (i.e. major(s) vs. track(s) & their number and creditload) to be submitted to Pauliina Ketola by cluster leaders	6.3.2023	Decision item at March DPC & April KTAK
Cluster input admission requirements and evaluation criteria for discussion	6.3.2023	Discussion item at March DPC & April KTAK; feeding into preparation work by LES in April
Admission requirements, evaluation criteria	2.5.2023	Decision item at May DPC & KTAK
Student intake numbers	2.5.2023	Discussion item at May DPC & KTAK
Provisional course-level ILO's and provisional positioning of each course in 'studies towards major' structure	2.5.2023	Discussion item at May DPC & KTAK
Programme ('study option') descriptions, i.e. admissions and programme marketing material Comms material created in collaboration with cluster leaders	19.5.2023	Marketing material finalised by copywriters Translation by Translation Team into Finnish and Swedish

Forthcoming portfolio renewal events

Join our forthcoming portfolio renewal events:

- **23.3. Portfolio renewal coffee (13:30-14:30; C100 Aluminium, Vuorimiehentie 2)**
- **28.4. Portfolio renewal: Progress review & discussion (12:30-15:30; KE2)**

Please provide feedback on today's event
presemo.aalto.fi/chemportfolio1march

Aalto University
School of Chemical
Engineering

Thank you for your input today!

aalto.fi

Aalto University
School of Chemical
Engineering