
Koulutus ja elämänlaajuinen oppiminen tulevaisuuden osaamisen varmistamisessa



Koulutuksemme tavoite

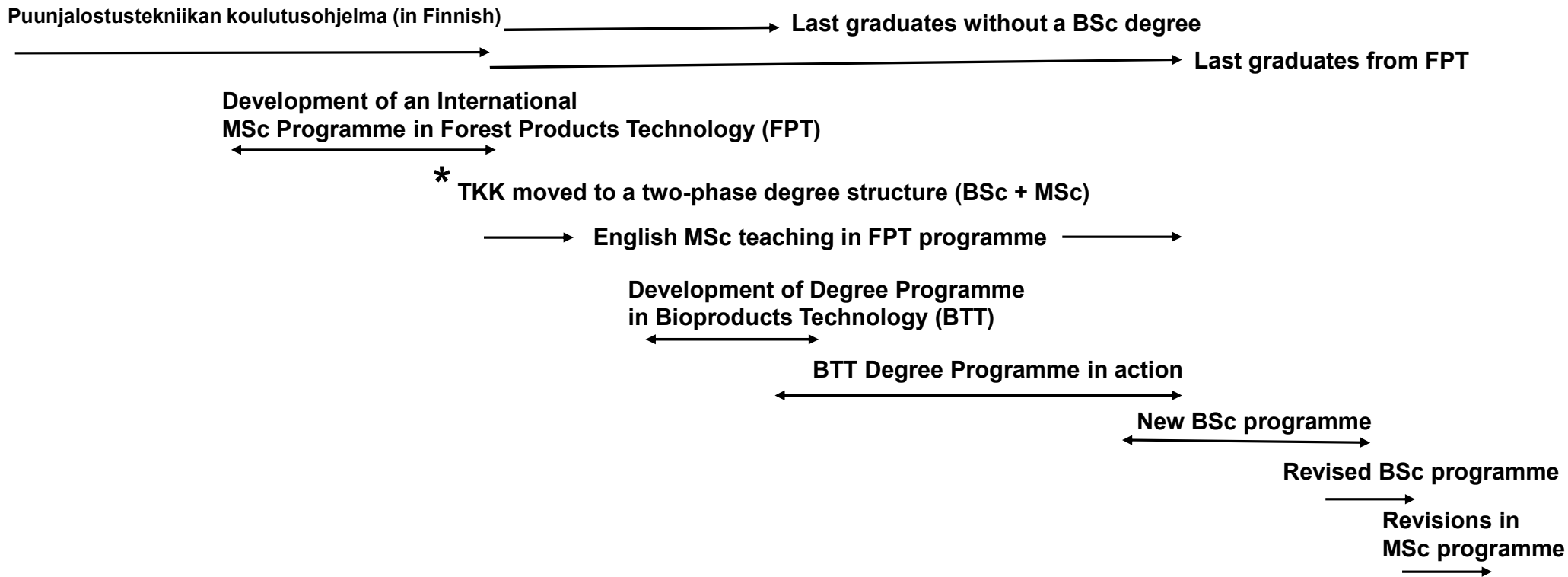
Educating Chemical Engineers for the Sustainable Future.

“We are catalysts of change, attractive educator, and a forerunner in chemical engineering education.

We educate experts who will develop breakthrough technologies in the changing world of energy transition, climate change, and limited material resources.”

Historiaa: Roadmap and some important milestones

2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020



A! *"More in-depth and substance specific education"* *"More generic and broader education + different disciplines"*

Nykytila → 2024: Tutkinto-ohjelmat (sisäiset/omat)

**Kemian tekniikan
kandiohjelma**
(suomeksi)

**Aalto Bachelor's Programme
in Science and Technology**
Major in Chem Engineering

**Master's Programme in
Chemical, Biochemical and Materials Engineering**

Majors:

- Biomass Refining
- Biotechnology
- Chemical and Process Engineering
 - Chemistry
- Fibre and Polymer Engineering
 - Functional Materials
- Sustainable Metals Processing



**Aalto Doctoral Programme
in Chemical Engineering**



Tilanne ennen portfoliouudistusta: “iso tarjotin”

Master’s Programme in Chemical,
Biochemical and Materials Engineering:

Biomass Refining

Fibre and Polymer Engineering

Biotechnology

Chemistry

Functional Materials

Sustainable Metals Processing

Chemical and Process Engineering



Aalto Master’s

Life Science Technologies

Biosystems and Biomaterials Engineering

Advanced Energy Solutions

Industrial Energy Processes and Sustainability

International Design Business Management

Creative Sustainability (First admission 2020)

Master’s in international co-operation

European Mining, Minerals and Environmental Programme – EMMEP -> EMC

Energy Storage, EIT InnoEnergy Master School program

European Master in Biological and Chemical Engineering for Sustainable

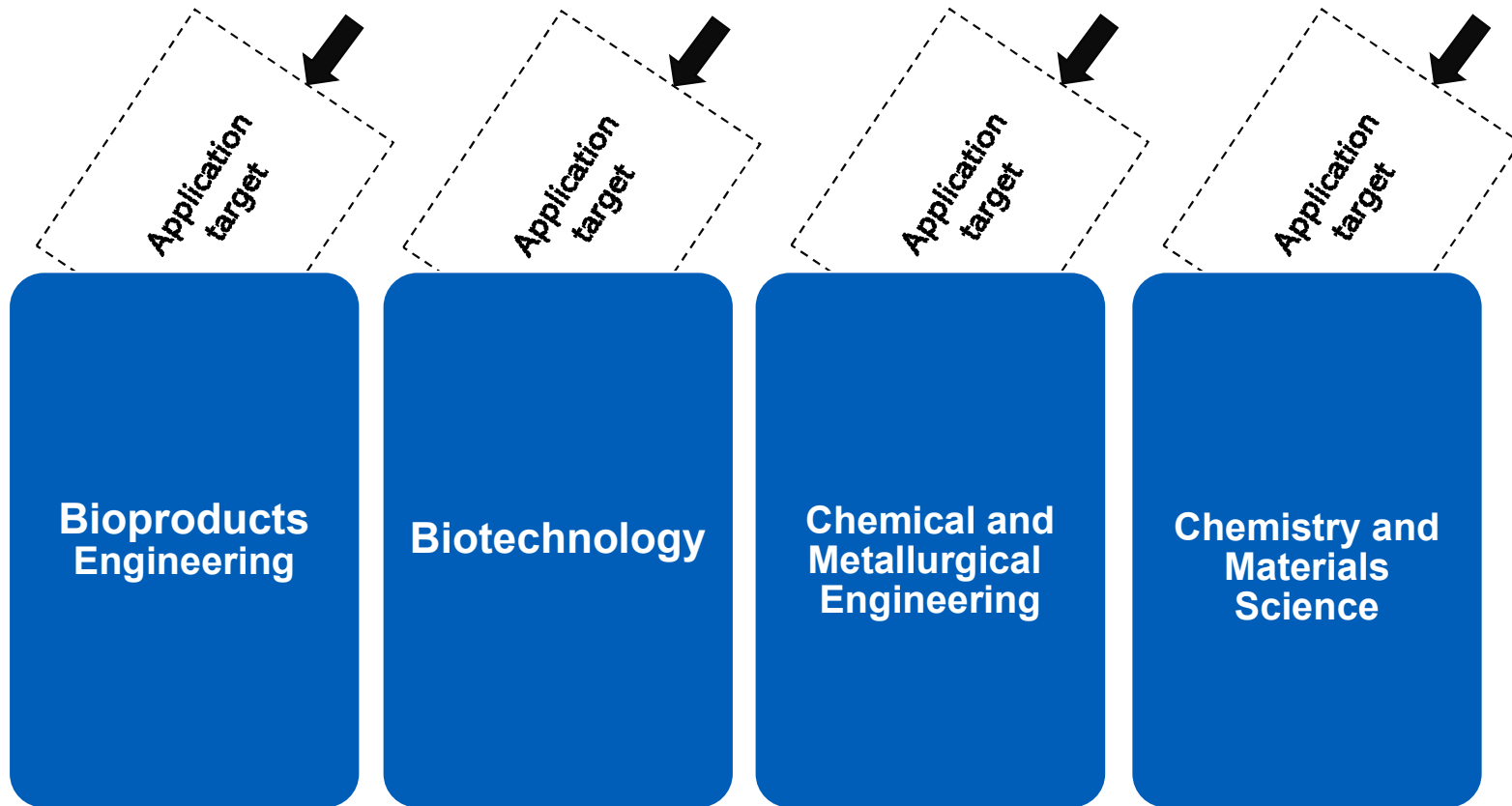
Bioeconomy – BIOCEB

Advanced Materials for Innovation and Sustainability (EIT Raw Materials) (AMIS)

Nordic Master in Polymer Technology (discontinuing)

Environmental Pathways for Sustainable Energy Systems – SELECT (discontinuing)

Uudet omat maisteriohjelmot 2024 →



Tutkinto-ohjelmat (sisäiset/omat) 2024 →

Aalto Junior

**Kemian tekniikan
kandiohjelma**
(suomeksi)

**Aalto Bachelor's Programme
in Science and Technology**
Major in Chem Engineering

- Maisteriohjelmat:**
- Bioproducts engineering
 - Biotechnology
 - Chemical and metallurgical engineering
 - Chemistry and material science



**Aalto Doctoral Programme
in Chemical Engineering**

“Lifewide learning”

A!

Aalto-yliopisto Junior innostaa tulevaisuuden tekijöitä taiteen, tieteen, teknologian ja talouden pariin

Aalto-yliopisto Junior tarjoaa kurkistusikkunan korkeakoulumaailmaan lapsille ja nuorille ympäri Suomen. Tuemme opettajien ja kasvattajien työtä järjestämällä maksuttomia opintokäyntejä, virtuaalisia työpajoja, koulutuksia sekä muita palveluita helpottamaan koulutyön arkea niin peruskouluissa, lukioissa kuin ammattikouluissakin. Toiminnassamme näkyvät kaikkien Aalto-yliopiston kuuden korkeakoulun sisällöt ja tutkimus.

Tiede ja luovuus työkaluina kohti tulevaisuutta!



[Aalto-yliopisto Junior | Aalto-yliopisto](https://www.aalto.fi/fi/aalto-yliopisto-junior)

<https://www.aalto.fi/fi/aalto-yliopisto-junior>

Lifewide learning

Purpose and strategy

The world is changing rapidly, requiring continuous skills and knowledge updates. Aalto University's lifewide learning approaches this societal change by providing a diverse learning portfolio for individuals at any stage of life. We identify lifewide learning as a common cause requiring commitment from individuals and organisations.

Our courses, modules, lectures, and micro-credentials are perfect for fulfilling short-term learning needs. At the same time, our continuous professional development and degree programs are ideal for updating your knowledge and expanding your expertise in the long term. We aim to offer research-based learning creating targeted and effective learning experiences.



A!

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**Kiitos
aalto.fi**