Note: FITech Network University reserves the right to make changes. Courses may have limits on the number of cross-institutional students.

Spring 2027 FITech Energy II cross-institutional courses for master's students (see the target groups of the agreement)

Theme: Electrochemical energy storage, hydrogen, Power-to-X and gas

- **LUT University**
  Technologies for electrochemical energy conversion and storage of electricity (BL40A3021)
  Power-to-X processes (BJ02A6020)
- **University of Oulu**
  Battery fabrication and testing (TE00AK59)
  Battery chemistries and components (782608S)
  Battery recycling chemistry and ecosystems (782644S)
- **Tampere University**
  Polttokennot ja vetyteknologia (EE.EMU.310)
  Materials for energy technologies (MSE.560)
- **University of Turku**
  Characterization of energy materials (KEMI4025)
  Introduction to functional materials (KEMI4026)
  Properties of functional materials (KEMI4027)
  Application of functional materials (KEMI4028)
- **Åbo Akademi University**
  Gas technology (ET00BO25)

Theme: Thermal energy, combustion and process engineering

- **Aalto University**
  Thermal energy storage systems theory (AAE-E3081)
- **University of Eastern Finland**
  Combustion, emissions and control technologies (3710482-3002)
- **Åbo Akademi University**
  Advanced process thermodynamics (424520.0)
  Chemistry in thermal energy processes: efficiency, materials and circular economy (KE00CT20-3003)

Theme: Renewable energy, energy systems and applications

- **Aalto University**
  Renewable energy engineering (AAE-E3090)
- **LUT University**
  Electrical engineering in wind and solar systems (BL40A2401)
- **University of Oulu**
  Energy harvesting technologies (521028S)
  Sustainable urban energy (488506S)

- **Åbo Akademi University**
  New energy technologies (424517)
- **Tampere University**
  Zero-emission hybrid mobile machinery (AUT.520)
  Project work in intelligent heavy machines (AUT.910)

Theme: Project management

- **Åbo Akademi University**
  Advanced project-based management (IE00BT39)

Spring 2027 FITech Energy I cross-institutional courses for bachelor's students (see the target groups of the agreement)

- **Aalto University**
  An introduction to hydrogen economy (ELEC-E8432)
  Käytännön energiatekniikka (EKO-C2013)
  Virtausprosessit energiatekniikassa (EKO-C1019)
- **University of Jyväskylä**
  Catalytic processes and materials in sustainable hydrogen production (KEMS1001)
- **LUT University**
  Wind power and solar energy technology and business (BL40A2601)
- **University of Oulu**
  Energy harvesting technologies (IE00AG66)
- **Tampere University**
  Energiajärjestelmän joustot / New applications in electrical energy engineering (EE.EES.510)
- **Åbo Akademi University**
  Geology of components and sustainability (GE00CL75)

Summer 2027 FITech Energy II cross-institutional courses for master's students (see the target groups of the agreement)

- **Aalto University**
  Electrical energy storage systems theory (AAE-E3071)
  Circular economy for energy storage theory (AAE-E3121)
- **University of Oulu**
  Battery recycling and ecosystems (782644S)
  Emerging battery technologies (NC00AT96-3001)
  Battery chemistries and components (782608S)
- **University of Turku**
  Properties of functional materials (KEMI4027)
  Application of functional materials (KEMI4028)
  Characterization of energy materials (KEMI4025)
  Introduction to functional materials (KEMI4026)

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