Miljövänliga energisystem/Environomical Pathways for Sustainable Energy Systems (SELECT)

Peter Hagström, MA

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KTH Master’s programme ”Environomical Pathways for Sustainable Energy Systems (SELECT)”

One of seven MSc programmes in the InnoEnergy Master’s School
http://www.innoenergy.com/education/master-school/
Environomical Pathways for Sustainable Energy Systems (SELECT)

The programme offers advanced education in the field of sustainable energy systems for the future. The SELECT mission is to provide a coordinated education for high competency and quality engineering skills in the field, including industrial interaction throughout the programme.

SELECT Key attributes

- 2 year joint MSc programme
- Double degree
- Mobility
- Interdisciplinary
Intake universities

Total curriculum

SELECT Programme Overview

Year 1
Intake Universities

Summer Period

Year 2
Specialization Universities
# Courses in year 1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJ2497</td>
<td>Energy efficiency and rational use of energy</td>
<td>5</td>
</tr>
<tr>
<td>MJ2498</td>
<td>Energy resources</td>
<td>5</td>
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<tr>
<td>MJ2411</td>
<td>Renewable energy technology I</td>
<td>6</td>
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<tr>
<td>MJ2414</td>
<td>Energy Systems Analysis in an Environomical Context</td>
<td>6</td>
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<tr>
<td>MJ2404</td>
<td>Energy Conversion Systems</td>
<td>6</td>
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<td>MJ2415</td>
<td>Project in Energy Systems Analysis</td>
<td>12</td>
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<tr>
<td>MJ2416</td>
<td>Microeconomics and energy markets</td>
<td>5</td>
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<tr>
<td>MJ2412</td>
<td>Renewable energy technology II</td>
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<td>MJ2419</td>
<td>Energy Storage Systems</td>
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<td>MJ2418</td>
<td>Sustainable Energy and Environment</td>
<td>5</td>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>60</strong></td>
</tr>
</tbody>
</table>

# Blended learning in year 1

[Image of blended learning in a classroom setting]
2nd year universities

SELECT student activities
PoY projects 2016 – 2017

Smart Rural Grid

Innovative Energy Storage Business Models for Sustainable Energy Systems
SELECT student activities
PoY projects 2016 – 2017

Opportunities for Sustainable Community Development of Ward 10 in Honde Valley, Zimbabwe


SELECT student activities
PoY projects 2016 – 2017

Feasibility Study for Island Development in order to generate Revenue Sustainable on the Island of Tylön, Sweden
Integrated Project of the Year in Sustainable Energy (MJ2504)

Project course in year 2
Example of topics 2018 - 2019

1) Integrated Approach to the Expansion of a Chilean RESCo to Europe
2) Development of a Solar Water Pump System
3) Koh jik island electrification
4) Mini-Grid Development in Rural Togo
5) Sumba Iconic Island: Sustaining Renewable Energy Facilities

Career

Graduated students have e.g. acquired the following positions:
• PhD students
• Consults in engineering and/or business
• Market analysis in power markets
• Business developers in power systems
• Sustainability project engineer
• Design engineers in electrical and control systems
Deadline for applications

- The InnoEnergy MSc School
  Round 1: 11 December 2018 – 24 February 2019
  Round 2: 25 February 2019 – 22 April 2019
  http://www.innoenergy.com/education/master-school

Documents required in the application

- A copy of your Bachelor’s degree certificate or a copy of your transcript of records
- Proof of English proficiency
- Your CV or resume
- A copy of your passport
- Where required, a motivation letter explaining why you wish to apply to the programme
Fees and scholarships

- The participation fee for students in intake 2019 is €15,000 per year.
- Scholarships from InnoEnergy available.

Contact

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- At InnoEnergy:
  http://www.innoenergy.com/education/master-school/
MSc SELECT at KTH web page


Search by "SELECT".

Tack!