

## Second year track-elective programme

Accepted track electives

(for students cohort 2016 and later)

### B&S

Accepted electives B&S tracks in Q1 + Q2

<a href="#">AR0097</a>	Climate proof sustainable housing renovation
<a href="#">AR0880</a>	Real Estate Valuation
<a href="#">SPM9730</a>	Sustainable Innovation and Transitions
<a href="#">CIE4510</a>	Climate Change: Science & Ethics
<a href="#">CIE5500</a>	Water Laws and Organisation

Accepted electives B&S tracks in Q3 + Q4

<a href="#">WM0637SET</a>	Economic Policy for Sustainable Energy
<a href="#">CIE5510</a>	Water Management in Urban areas

### ENERGY

Accepted electives Energy track in Q1 + Q2

<a href="#">AE4T40</a>	Airborne Wind Energy
<a href="#">AP3352</a>	Introduction to Nuclear Science and Engineering
<a href="#">CH3632</a>	Chemistry and Physics of Solar Cells
<a href="#">CH3771</a>	Nuclear Chemistry
<a href="#">ET4103</a>	High Voltage Technology
<a href="#">ET4107</a>	Power Systems Analysis II
<a href="#">ET4117</a>	Electrical Machines and Drives
<a href="#">ET4376</a>	Photovoltaic Basics
<a href="#">ME45000</a>	<i>Advanced Heat Transfer n/o</i>
<a href="#">ME45075</a>	Refrigeration & Heat Pumps Fundamentals
<a href="#">OE44005</a>	Introduction to Offshore Engineering
<a href="#">SET3013</a>	Renewable Energy
<a href="#">SET3070</a>	Thermochemistry of Biomass Conversion
<a href="#">SET3080</a>	The Necessity of Storage Technology
<a href="#">SET3090</a>	Fossil-Free Fuel and Feedstock

Accepted electives Energy track in Q3 + Q4

<a href="#">AESM1306SET</a>	<i>Geothermal Energy and Applications n/o</i>
<a href="#">AESM1400</a>	Geothermal Energy
<a href="#">AP3341</a>	Nuclear Reactor Physics
<a href="#">CH3222</a>	Energy Storage in Batteries
<a href="#">CH3783</a>	Materials Chemistry for the Nuclear Fuel Cycle
<a href="#">CIE5304</a>	Waterpower Engineering
<a href="#">EE4545</a>	Electrical Power Systems of the Future
<a href="#">EE4655</a>	Co-simulation of Energy Systems
<a href="#">ET4377</a>	Photovoltaic Technologies
<a href="#">ET4378</a>	Photovoltaic Systems
<a href="#">ME45100</a>	Fuel Cell Systems
<a href="#">ME45160</a>	Advanced Applied Thermodynamics
<a href="#">ME45165</a>	Equipment for Heat & Mass Transfer
<a href="#">ME45201</a>	Electrical Energy Storage I: fundamentals
<a href="#">ME45202</a>	Electrical Energy Storage II: analytical modelling
<a href="#">OE44120</a>	Offshore Wind Farms Design
<a href="#">SET3065</a>	Intelligent Electrical Power Grids

### I&C

Accepted electives I&C track in Q1 + Q2

<a href="#">CS4015</a>	Behaviour Change Support Systems
<a href="#">IN4252</a>	Web Science & Engineering
<a href="#">SPM5442</a>	Cyber Risk Management
<a href="#">SEN9720</a>	Logistics and Supply Chain Innovations
<a href="#">IN4191</a>	Security and Cryptography
<a href="#">GEO1002</a>	Geographical Information Systems (GIS) and Cartography
<a href="#">GEO1003</a>	Positioning and Location Awareness
<a href="#">IN4392</a>	<i>Cloud Computing n/o</i>

[ID5311-19](#) Design innovation 4.0 in supply networks: transforming supply networks into automated eco systems

Accepted electives I&C track in Q3 + Q4

[MOT1531](#) Digital Business Process Management  
[IN4315](#) Software Architecture  
[IN4185](#) Globally Distributed Software Engineering  
[IN4391](#) Distributed Systems  
[CS4145](#) Crowd Computing

#### **T&L**

Accepted electives T&L track in Q1 + Q2

[CIE4811-18](#) Planning and Operations of Public Transport Systems  
[CIE5802-18](#) Advanced Transport Modelling  
[CIE5810-19](#) Traffic Safety  
[CIE4330](#) Ports and Waterways  
[AE4423](#) Airline Planning & Optimization  
[ME44206](#) Quantitative Methods for Logistics  
[SEN9710](#) Decision making in multimodal transport systems  
[SEN9720](#) Logistics and supply chain innovations  
[SEN9725](#) Supply Chain Gaming

Accepted electives T&L track in Q3 and Q4

[AR0551](#) People, Movement and Public Space  
[AE4446](#) Airport Operations  
[CIE5803-18](#) Railway Traffic Management  
[CIE5805-18](#) Intelligent Vehicles for Safe and Efficient Traffic: Design and Assessment  
Innovations in Dynamic Traffic Management  
[CIE5816](#) Urban Regions, Transport and Economics