

**MSc Nuclear Energy @KTH – Year 1**

<b>Study year</b>	<b>Course name</b>	<b>Course code</b>	<b>ECTS count</b>	<b>Course Type</b>
1	<a href="#"><u>Radiation, Protection, Dosimetry and Detectors</u></a>	SH2603	6	Mandatory
1	<a href="#"><u>Sustainable Power Generation</u></a>	MJ2405	9	Mandatory
1	<a href="#"><u>Nuclear Reactor Physics, Major Course</u></a>	SH2600	9	Mandatory
1	<a href="#"><u>Nuclear Reactor Technology Nuclear power Safety</u></a>	SH2702	8	Mandatory
1	<a href="#"><u>Renewable Energy Technology</u></a>	MJ2411	6	Elective
1	<a href="#"><u>Thermal-Hydraulics in Nuclear Energy Engineering</u></a>	SH2701	6	Elective

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1	<a href="#">Nuclear Physics</a>	SH2302	8	Elective
1	<a href="#">Radiation Damage in Materials</a>	SH2605	6	Elective
1	<a href="#">Generation IV Reactors</a>	SH2604	6	Elective
1	<a href="#">Nuclear Reactor Dynamics and Stability</a>	SH2703	6	Elective