


# Electric Transportation Systems tutkintorakenne 2024-25 aloittaville/DRAFTI (LUTin kandista jatkavat)




Ydinopinnot     VALITSE KAIKKI 24op / väh. 24op

LUONNOS SaDYdinoETS\_KJ

4 op	BL30A1400 LUONNOS	Introduction to Electric Transportati...	↓	🗑️
4 op	BL20A0910 LUONNOS	Technology and Society	↑ ↓	🗑️
4 op	LES10A170 LUONNOS	Applied Mathematics I	↑ ↓	🗑️
3 op	LES10A180 LUONNOS	Applied Mathematics II	↑ ↓	🗑️
5 op	BL30A1300 LUONNOS	Power Electronic Converters	↑ ↓	🗑️
4 op	BL30A1420 LUONNOS	Laboratory Course in Electrical Engi...	↑	🗑️


Syventymisopinnot      VALITSE 1 / väh. 70op

LUONNOS SaDSyvOpETS

Electric Transportation Systems    VALITSE KAIKKI 62–64op / väh. 70op

LUONNOS SaDSETS

5 op	BL40A3021 LUONNOS	Technologies for Electrochemical	↓	🗑️
5 op	BL30A1410 LUONNOS	Electric Vehicle Charging	↑ ↓	🗑️
5 op	BL40A1101 LUONNOS	Embedded System Programm...	↑ ↓	🗑️
4–6 op	BL30A1430 LUONNOS	Project Course in Electric Trai...	↑ ↓	🗑️
30 op	BL10A2001 LUONNOS	Diplomityö	↑ ↓	🗑️
0 op	LUTKYPSYT LUONNOS	Kypsyysnäyte maisterin tutki...	↑ ↓	🗑️
5 op	BH61A0700 LUONNOS	Energy Markets	↑ ↓	🗑️
4 op	BL30A1030 LUONNOS	Electrical Machines	↑ ↓	🗑️
4 op	BL30A1040 LUONNOS	Electrical Drives 1	↑	🗑️

Choose enough alternative specialisation studies to have a min. of 70 ECTS of specialisation studies. 

(väliotsikko)

  VALITSE VÄH. 6 OP 21op / väh. 6op

5 op	BL30A1321 LUONNOS	Modelling and Control of Power	↓	🗑️
2 op	BL50A0600 LUONNOS	Electromagnetic Compati...	↑ ↓	🗑️
4 op	BL30A1440 LUONNOS	Electric and Hybrid Vehicle	↑ ↓	🗑️
6 op	BL30A1310 LUONNOS	Advanced Power Electroni...	↑ ↓	🗑️
4 op	BL40A0510 LUONNOS	Digital Control 1	↑	🗑️

<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▼</span> <div> <p><b>Sivuoopinnot</b></p> <p><small>LUONNOS</small> SaDSivuoETS</p> </div> </div>	<span>🗑️</span> <span>↑ ↓</span> <span>&lt;/&gt;</span> <span>👤 VALITSE VÄH. 1</span> <span>ℹ️</span>	/ väh. 20op
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▶</span> <div> <p><b>Circular Economy</b></p> <p><small>LUONNOS</small> YmDSaCe</p> </div> </div>	<span>🗑️</span> <span>↓</span> <span>&lt;/&gt;</span> <span>👤 VALITSE VÄH. 20 OP</span>	/ väh. 20op
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▼</span> <div> <p><b>Mechanical Engineering for Electrified Transportation Systems</b></p> <p><small>LUONNOS</small> KoDSAMefets</p> </div> </div>	<span>🗑️</span> <span>↑ ↓</span> <span>&lt;/&gt;</span> <span>👤 VALITSE VÄH. 20 OP</span>	/ väh. 20op
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▶</span> <div> <p><b>Valintaryhmä</b></p> </div> </div>	<span>🗑️</span> <span>&lt;/&gt;</span> <span>👤 VALITSE KAIKKI</span>	
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▶</span> <div> <p><b>Industrial Engineering and Management (BSc)</b></p> <p><small>LUONNOS</small> TuKSOIEM</p> </div> </div>	<span>🗑️</span> <span>↑ ↓</span> <span>&lt;/&gt;</span> <span>👤 VALITSE VÄH. 20 OP</span>	/ väh. 20op
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▼</span> <div> <p><b>Study Finnish – Live and Work in Finland</b></p> <p><small>LUONNOS</small> LESSoFinnish</p> </div> </div>	<span>🗑️</span> <span>↑ ↓</span> <span>&lt;/&gt;</span> <span>👤 VALITSE VÄH. 20 OP</span>	/ väh. 20op
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▶</span> <div> <p><b>Valintaryhmä</b></p> </div> </div>	<span>🗑️</span> <span>&lt;/&gt;</span> <span>👤 VALITSE KAIKKI</span>	
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">🔍</span> <div> <p><b>Vapaasti valittava sivuainekokonaisuus</b> <span>ℹ️</span></p> </div> </div>	<span>🗑️</span> <span>↑</span>	
<div style="display: flex; align-items: center;"> <span style="margin-right: 5px;">▶</span> <div> <p><b>Vapaasti valittavat opinnot</b></p> <p><small>LUONNOS</small> SaDVapVaETS</p> </div> </div>	<span>🗑️</span> <span>↑</span> <span>&lt;/&gt;</span> <span>👤 VALITSE VÄH. 0 OP</span>	/ väh. 0op

Choose enough elective studies to reach the total of 120 ECTS required for the Master's degree. The student may include, for example, Master's level courses taught at LUT, studies in other domestic/foreign higher education institutions or work experience of 2-6 ECTS.