ELECTRIC VEHICLE ENGINEERING

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ilmondochiaspetta.unipr.it

WHY STUDY WITH US?
LETS THE NUMBERS DO THE TALKING:

800 professors and researchers
31 students from Italy and all over the world
96 courses to choose from
100% grants for those entitled
WHAT YOU WILL LEARN

FIRST YEAR

- ADVANCED ELECTRIC DRIVES AND SENSORS
  CFU 12

- ELECTROMECHANICAL ENERGY STORAGE AND CONVERSION
  CFU 6

- DIAGNOSIS AND CONTROL
  CFU 6

- LABORATORY OF BUSINESS PLAN
  CFU 3

- VEHICLE ENERGY SYSTEMS AND HVAC SYSTEMS
  CFU 6

- ELECTRIC POWER SYSTEMS FOR SUSTAINABLE MOBILITY
  CFU 6

- ELECTRIC DRIVELINES
  CFU 6

- ELECTROMAGNETIC COMPATIBILITY
  CFU 6

- POWER ELECTRONIC CONVERTERS
  CFU 6

Second year elective courses

- COMMUNICATION SYSTEMS: THEORY AND MEASUREMENT
  CFU 6

- DYNAMICS AND COMPLIANT CONTROL OF ELECTRIC VEHICLES
  CFU 6

- HARDWARE-SOFTWARE DESIGN OF EMBEDDED SYSTEMS
  CFU 6

- TECHNOLOGIES AND APPLICATIONS OF WIRELESS POWER TRANSFER
  CFU 6

<table>
<thead>
<tr>
<th>ELECTRIC VEHICLE ENGINEERING</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST YEAR CFU 69</td>
</tr>
<tr>
<td>SECOND YEAR CFU 51</td>
</tr>
</tbody>
</table>

CAREER OPPORTUNITIES

An Electric Vehicle Engineering engineer has a multidisciplinary training and is able to face all problems relative to the various subsystems of electric vehicles, from motors and batteries through to onboard communication systems. The main professional opportunities enabled by the Master’s Degree in Electric Vehicle Engineering are in innovation and development of electric vehicles, advanced design, production planning, management of complex systems in manufacturing or service companies engaged in the production of premium or racing electric vehicles and motorbikes and in the related supply chains, national and international. Graduates in Electric Vehicle Engineering can complete their training enrolling in a PhD School or a 2nd level Master’s degree. Graduates also earn the skills and the legislative requirements to practice as licensed professional engineers in the Italian Ordine Professionale degli Ingegneri, section A, sector B-Industrial.

GENERAL INFORMATION

COUNSELOR FOR TUTORING

PROF. ALESSANDRO TASORA
alessandro.tasora@unipr.it

DEPARTMENT

Dipartimento di Ingegneria e Architettura - dia.unipr.it
Parco Area delle Scienze, 181/A - Campus Universitario

TYPE AND DURATION

Master’s Degree + Laurea Magistrale (Two years)

DEGREE CLASS

LM-28 Classe delle lauree magistrali in Ingegneria elettrica