**PhD programme** | **ENERGY, SYSTEMS, TERRITORY AND CONSTRUCTION ENGINEERING**
---|---
**President:** | Prof. Paolo Di Marco
**Department:** | Department of Ingegneria dell’Energia, dei sistemi, del Territorio e delle Costruzioni - Largo Lucio Lazzarino 56122 PISA
**Admission requirements:** | All Master’s degrees
**Outcome of the selection procedure:** | - Ranking of candidates for the whole PhD programme

<table>
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<tr>
<th>PhD Positions Available</th>
<th>Positions available 5</th>
<th>of which 4 with grant 1 without grant</th>
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<tr>
<td>Supernumerary positions</td>
<td>Pursuant to Article 6 of the competition announcement, candidates who are eligible for the competition to be admitted in supernumerary must forward, to the email address <a href="mailto:concorsodottorato@unipi.it">concorsodottorato@unipi.it</a>, Annex C after having held the interview but no later than three days thereafter on the date of the latter.</td>
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**Details:** | 4 grants financed by Università di Pisa
**Selection criteria:** |

**Curriculum** | The curriculum, signed and accompanied by a copy of a valid identification document, must be uploaded only during the application process. The curriculum must provide information about the candidate’s academic education as well as his/her professional and research experience. **The candidate must attach any document useful for the assessment of his/her curriculum.** The candidate who intends to submit to the evaluation of the Selection Board any document related to his/her academic records held at the University of Pisa, must make an explicit request of acquisition “through office” in the aforementioned curriculum.

| Minimum grade: 18 out of 30 |

**Written examination** | The list of candidates who are invited to take a written examination will be published at [http://dottorato.unipi.it/](http://dottorato.unipi.it/) “Admissions” should take place at least five days before the written examination.

<p>| The written test will be aimed at verifying the cultural prerequisites. The candidate may carry out the test in Italian or English. The written test consists in writing an essay on an assigned topic, in a maximum time of four hours. |</p>
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<th><strong>Minimum grade:</strong></th>
<th>18 out of 30</th>
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<td><strong>The test schedule (where applicable) and venue,</strong> will be published the 30 of May 2019 at <a href="http://dottorato.unipi.it/">http://dottorato.unipi.it/</a> - &quot;Admission and enrolment&quot;.</td>
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</table>

**Interview**

The interview will assess the candidate’s knowledge, her/his aptitude for research, openness to academic experiences in Italy and abroad, and an interest in scientific deepening.

**Web conference:** **NO**

**Guidelines for the presentation of the PhD Research project**

**Required:** **NO**

**INFO:**

**Overview and objectives of the PhD course:**
The training program is aimed to provide the PhD students with a scientific education suitable to develop research activities of high qualification in the area of Energy, Systems, Territory and Constructions Engineering.

The research program foresees an organic collection of training activities in order to define the appropriate and qualified profiles to deal with the complexity of engineering for the sustainable development in innovative fields of great international relevance, that are of interest for multidisciplinary systems for energy, land and buildings. Among such systems are currently of great importance those named "smart cities" with a homogeneous methodological approach which is originated and is nourished through the cultural and research experiences present in the Department. Another technical-scientific topic of great relevance today is energy saving in buildings, which involves skills of energetic, electricity, management, architectonic and civil buildings nature. The multiplicity of scientific skills and of activities research and the multidisciplinary nature of the department combined with the variety of laboratories and with an extensive network of international cooperations, provide a stimulating environment for the PhD students, for the study and the development of research. The departmental structure also ensures the sustainability for allowing PhD students to spend study periods abroad or in other Italian qualified structures.

**Website:**
[https://www.destec.unipi.it/didattica/corso-di-dottorato.html](https://www.destec.unipi.it/didattica/corso-di-dottorato.html)