**PhD programme** | **INDUSTRIAL ENGINEERING**
---|---
**President:** | Prof. Giovanni Mengali
**Department:** | Department of Ingegneria civile e industriale Largo Lucio Lazzarino, 2 – 56122 Pisa

**Admission requirements:**
- Master’s degree (D.M. 270):
  - LM-17 Fisica
  - LM-20 Ingegneria aerospaziale e astronautica
  - LM-21 Ingegneria biomedica
  - LM-22 Ingegneria chimica
  - LM-23 Ingegneria civile
  - LM-25 Ingegneria dell’automazione
  - LM-26 Ingegneria della sicurezza
  - LM-27 Ingegneria delle telecomunicazioni
  - LM-28 Ingegneria elettrica
  - LM-29 Ingegneria elettronica
  - LM-30 Ingegneria energetica e nucleare
  - LM-31 Ingegneria gestionale
  - LM-33 Ingegneria meccanica
  - LM-35 Ingegneria per l’ambiente e il territorio
  - LM-53 Scienza e ingegneria dei materiali
  - LM-54 Scienze chimiche
  - LM-71 Scienze e tecnologie della chimica industriale
  - LM-75 Scienze e tecnologie per l’ambiente e il territorio

- Master’s degree (D.M. 509):
  - 20/S (specialistiche in fisica)
  - 25/S (specialistiche in ingegneria aerospaziale e astronautica)
  - 26/S (specialistiche in ingegneria biomedica)
  - 27/S (specialistiche in ingegneria chimica)
  - 28/S (specialistiche in ingegneria civile)
  - 29/S (specialistiche in ingegneria dell’automazione)
  - 30/S (specialistiche in ingegneria delle telecomunicazioni)
  - 31/S (specialistiche in ingegneria elettrica)
  - 32/S (specialistiche in ingegneria elettronica)
  - 33/S (specialistiche in ingegneria energetica e nucleare)
  - 34/S (specialistiche in ingegneria gestionale)
  - 35/S (specialistiche in ingegneria informatica)
  - 36/S (specialistiche in ingegneria meccanica)
  - 38/S (specialistiche in ingegneria per l’ambiente e il territorio)
  - 61/S (specialistiche in scienze e ingegneria dei materiali)
  - 62/S (specialistiche in scienze chimiche)
  - 81/S (specialistiche in scienze e tecnologie della chimica industriale)
  - 82/S (specialistiche in scienze e tecnologie per
<table>
<thead>
<tr>
<th><strong>Outcome of the selection procedure:</strong></th>
<th>Ranking of candidates for the whole PhD programme</th>
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<tbody>
<tr>
<td><strong>PhD Positions Available</strong></td>
<td><strong>Positions available 9</strong> of which 6 with grant 1 with grant reserved to students who have graduated from foreign universities 2 without grant</td>
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<tr>
<td><strong>Supernumerary positions</strong></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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<tr>
<td><strong>Details:</strong></td>
<td>6 grants financed by Università di Pisa 1 grant financed by Università di Pisa di Pisa reserved to students who have graduated from foreign universities</td>
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<td><strong>Selection criteria:</strong></td>
<td><strong>Curriculum</strong> 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</td>
</tr>
<tr>
<td><strong>Written examination</strong></td>
<td>The list of candidates who are invited to take a written examination will be published at <a href="http://dottorato.unipi.it/">http://dottorato.unipi.it/</a> “Admissions” should take place at least five days before the written examination. The written test will be aimed at verifying the cultural prerequisites. The candidate may carry out the test in Italian or English. The written exam consists of writing a document, within four hours, about a specific theme of the different curricula.</td>
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<td><strong>Interview</strong></td>
<td>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.</td>
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<td>Minimum grade: 18 out of 30</td>
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<tr>
<td>The test schedule (where applicable) and venue, 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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| **Guidelines for the presentation of the PhD Research project** | Required: **NO** |
| **INFO:** | **Overview and objectives of the PhD course:** The Ph.D. Course is divided into curricula to take into account the vastness, variety and complexity of the theoretical, methodological and experimental research themes it contains. The common objective of the different curricula is to train experts with a high scientific profile, able to operate in the research and development of various areas of Industrial Engineering. The curricula are differentiated in terms of characterizing research subjects such as structures and aerospace materials, fluid dynamics, flight mechanics, space propulsion (curriculum of Aerospace Engineering), application of nuclear technology, safety methodologies and environmental protection (curriculum of Nuclear Engineering and Industrial Safety) chemistry and materials, sustainable development, safety and optimization of systems, energy production processes with renewable energy (curriculum of Chemical Engineering and Materials), advanced planning, experimentation, production, management, life extension or recycle of machines, plants and mechanical systems (curriculum of Mechanical Engineering), project, experimentation, building and employment of terrestrial vehicles and transport systems (curriculum of Engineering of Vehicles and Transport Systems). |
| Website: [http://phd.dici.unipi.it/](http://phd.dici.unipi.it/) |