

Engineering Sciences	
Cycle	40°
Director	Prof. Stefano Trillo (stefano.trillo@unife.it) Engineering Department
Duration	3 years
Curriculum	1. Civil Engineering 2. Industrial Engineering 3. Information Engineering
Research Topics	https://www.unife.it/studenti/dottorato/it/corsi/riforma/engineering
Qualification required for admission	LM-4, LM 4 CU; LM-17, LM-18, LM-19, LM-20, LM-21, LM-22, LM-23, LM-24, LM-25, LM-26, LM-27, LM-28, LM-29, LM-30, LM-31, LM-32, LM-33, LM-34, LM-35, LM-40, LM-43, LM-44, LM-48, LM-53, LM-54, LM-66, LM-69, LM-71, 20/S, 23/S, 25/S, 26/S, 27/S, 28/S, 29/S, 30/S, 31/S, 32/S, 33/S, 34/S, 35/S, 36/S, 37/S, 38/S, 45/S, 50/S, 54/S, 61/S, 62/S, 81/S, 82/S, equivalent Italian degree Lauree V.O. in Engineering, Physics and Information Technology or an equivalent foreign academic qualification awarded abroad.

Assessment Criteria		
Evaluation of qualification: maximum score 50 points. Minimum score required to be admitted to the interview 35/50		
Interview: maximum score 30 points		
Minimum final score required: 60/80		
During the interview, the applicant's knowledge of the following languages will be tested:		English
List of assessable credentials		
Curriculum vitae et studiorum	<p>Mandatory documents: Full academic career information (Bachelor and Master degree), a list of examinations and grades and final mark, for Bachelor and Masters degrees, and post degree experience. Thesis abstract (max length 2 pages), with the following structure: motivation, research methodology, obtained or expected results and bibliography. Only for undergraduate students, the supervisor must sign the abstract.</p>	Up to 20 points
Research Project	<p>Maximum length: 3 pages - in English or in Italian which must contain an original proposal for a research project, with the following structure: introduction to the scientific international context, relevance of the topic, expected results, argumentation.</p> <p><i>This project is not binding regarding the subsequent choice of the doctoral thesis, with the exception of positions with a defined topic, for which the coherence of the research project with the topic constitutes a requirement for evaluation, under penalty of exclusion of the candidacy. The candidate admitted to positions with a specific topic will carry out the research training course and the thesis in line with the topic itself.</i></p>	Up to 20 points
Scientific publications	<p>Full copy of publications, including abstracts and/or papers presented to meetings or congresses</p> <p style="text-align: center;">OR</p>	Up to 5 points

	File containing the full list of the publications with associated link.	
Statement of research interest	Short text - maximum length: 1 page - in English or in Italian, which must contain the motivations to attend the Ph.D. programme and the candidate's specific research interests.	Up to 3 points
Other professional/academic qualifications	Academic, professional qualifications; language certificates.	Up to 2 points
Interview agenda/program		
Presentation of the proposed research project and the Candidate's linguistic skills will be verified.		
Examination Timetable		
Evaluation of qualifications and interview will take place within October 7th 2024 . Evaluation results will be published at the following page: https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/esiti-concorso . The Beginning date for consulting the evaluation results and the interview schedule will be available within the present call deadline at the following page: https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/date-e-luoghi-per-il-colloquio-dates-and-locations-for-the-interview		

TOTAL AVAILABLE POSITIONS	10
With scholarship	8
Positions reserved for foreign scholarship holders and/or scholarship holders of specific international mobility programs	2

Regular positions with scholarship		
N°	Funding institution	Research topic or area (if applicable)
3	Università degli Studi di Ferrara	
1	Regione Emilia-Romagna – PR FSE+ 2021/2027	<i>Thermal energy and multi-generation energy systems: potential of seasonal storage systems</i>
1	Department of Engineering	<i>SOUNDkids: Indoor SOUNDScape assessment for KIDS in primary school classrooms</i>
1	Co-found by Department of Engineering and University of Ferrara	<i>Nonlinear devices and architectures for switching and optical computing applications</i>
1	Co-found by Department of Engineering and University of Ferrara	<i>Machine Learning and MLOps solutions for high-criticality scenarios</i>
1	Co-found by Department of Engineering and University of Ferrara	<i>Sensory estimation and fusion methods for mobile agent localization with satellite-based and inertial-based technologies</i>