

PhD Programme in “Materials Engineering”

The PhD programme in “Materials Engineering” offers 11 positions (of which 10 fully funded with scholarships) for the 36th PhD cycle at Politecnico di Milano. All scholarships cover three years of study and research.

The PhD Programme in Materials Engineering aims at training Ph.D. laureates to be proactive professionals aware of the correlation between the materials structure to properties over several length-scales, the effects of processing on structure, and the final properties in use. This knowledge makes graduates skilled in the design, production and application of both traditional and innovative materials, their optimization for specific applications and the prediction and assessment of their performance.

The present call includes the scholarships detailed below. For further information about the Topic scholarships please visit the [Topic Scholarships webpage](#)

Please notice that, in order to be eligible for any of the scholarships, you must (in the registration process) declare that you intend to compete for a scholarship (see also sections 6.4 and 7.6 of the [Quickstart](#) manual).

#	Type	Research topic	Granting Institution
1	Generic	<i>"Materials Engineering"</i>	Italian Ministry of University and Research Politecnico di Milano
2	Generic	<i>"Materials Engineering"</i>	Italian Ministry of University and Research Politecnico di Milano
3	Generic	<i>"Materials Engineering"</i>	Italian Ministry of University and Research Politecnico di Milano
4	Generic	<i>"Materials Engineering"</i>	Italian Ministry of University and Research Politecnico di Milano
5	Generic	<i>"Materials Engineering"</i>	Department of Chemistry, Materials and Chemical Engineering
6	Topic	<i>"Study and Development of Materials and Technologies for food-preservation packaging-related"</i>	Department of Chemistry, Materials and Chemical Engineering (Research group of Prof. Luigi De Nardo)
7	Topic	<i>"Hydrogen charging and hydrogen embrittlement of pipeline steels"</i>	Department of Chemistry, Materials and Chemical Engineering (Research group of Prof. Marco Ormellesse and Prof. Fabio Bolzoni)
8	Topic	<i>"Development and characterisation of industrial-grade fibre-reinforced composites"</i>	Department of Chemistry, Materials and Chemical Engineering (Research group of Prof. Maria Pia Pedferri and Prof. Barbara Del Curto)
9	Topic	<i>"Sustainable concrete made with recycled asphalt pavement"</i>	Department of Chemistry, Materials and Chemical Engineering (Research group of Prof. Elena Redaelli)
10	Topic	<i>"Novel light-driven nanoactuators and molecular switches for cell stimulation and related phototherapeutic technologies"</i>	IIT - Fondazione Istituto Italiano di Tecnologia (Research group of Prof. Chiara Bertarelli)