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University of Naples Federico II  
School of Engineering



INTERNATIONAL MASTER DEGREE COURSE IN

# Emerging Technologies for Construction ETeC

3<sup>rd</sup> edition

Coordinator: prof. Giorgio Serino

Duration: 1 year / 1 1/2 year, 60 / 90 ECTS Credits

Available positions: min.15 - max 20

milagroadv



### Aim and partner Universities

The 2<sup>nd</sup> level Master Degree course in “Emerging technologies for construction (ETeC)” aims at forming experts in new technologies for construction, with special attention to new structural materials, retrofit and upgrading of existing constructions (also of historical/monumental interest), innovative systems of structural response control, new monitoring and diagnostic technologies, advanced technologies for foundation and excavation engineering, seismic geotechnical engineering and wind engineering. Master ETeC is a collaborative effort among the Department of Structures for Engineering and Architecture of the University of Naples Federico II, the Department of Civil and Environmental Engineering of University of California, Berkeley (USA), the Department of Civil, Architectural, and Environmental Engineering of the Missouri University of Science and Technologies, Rolla (USA) and the Indian Institute of Technology, Madras (India).

### Tuition fees and scholarships

Tuition fees are €3.000,00 for the entire master course plus € 140 of regional tax. Tuition waiver and scholarships, for total or partial coverage of the expenses during the period of study or training abroad, are available from Campania Region (Master Around Program) and/or from other sponsor Institutions/Industries/companies. See Call for Applications for further details.

### Admission Requirements

All EU and non-EU citizens holding a Degree certificate in Architecture, Building / Civil / Environmental Engineering, Construction Management / Construction Systems Engineering, Aerospace / Aeronautical Engineering, Biomedical / Chemical / Electrical / Management / Mechanical / Marine / Mathematical-physical Modeling for Engineering, Materials Science and Engineering, Safety Engineering are eligible to apply. Admission of non-EU citizens is subjected to Italian immigration rules. Normally a long-term National Visa for study reasons is required.

#### EDUCATIONAL ACTIVITIES / ONE YEAR COURSE - 60 ECTS

Period	Activity	ECTS Credits	Lesson Hours	Individual study Hours
1 <sup>st</sup> semester	Classes	3 courses of 9 ECTS credits each (English course language included) = 27 ECTS CREDITS	216 hours	459 hours
	Internship	3 ECTS CREDITS	-	75 hours
2 <sup>nd</sup> semester	Classes	2 courses of 9 ECTS credits each (at Federico II University or a partner University) = 18 ECTS CREDITS	144 hours	306 hours
	Internship	12 ECTS CREDITS	-	300 hours
Total		60 ECTS CREDITS	360 hours	1140 hours
Total			1500 hours	

#### EDUCATIONAL ACTIVITIES (FOR MASTER AROUND PROGRAM SCHOLARSHIP HOLDERS) / ONE AND HALF YEAR COURSE - 90 ECTS

Period	Activity	ECTS Credits	Lesson Hours	Individual study Hours
1 <sup>st</sup> semester	Classes	3 courses of 9 ECTS credits each (English course language included) = 27 ECTS CREDITS	216 hours	459 hours
	Internship	3 ECTS CREDITS	-	75 hours
2 <sup>nd</sup> semester	Classes	2 courses of 9 ECTS credits each (at Federico II University or a partner University) = 18 ECTS CREDITS	216 hours	459 hours
	Internship	3 ECTS CREDITS	-	75 hours
3 <sup>rd</sup> semester	Internship	30 ECTS CREDITS	-	750 hours
Total		90 ECTS CREDITS	432 hours	1818 hours
Total			2250 hours	

deadline for application  
**June 14<sup>th</sup>, 2013**

selection interview  
**July 1<sup>st</sup>, 2013**

in collaboration with:



for further information: [www.metec.unina.it](http://www.metec.unina.it) / [www.unina.it](http://www.unina.it)>master>ingegneria

**dr. Valeria Peluso**  
Administration Master Secretariat  
ph +39 081 7683411

**prof. Giorgio Serino**  
Coordinator of Master Course  
ph +39 081 7683182

**dr. eng. Gian Piero Lignola**  
Educational Master Secretariat  
ph +39 081 7683492

**prof. Luciano Nunziante**  
Honorary President of Master Course  
ph +39 081 7683727