



The 14th Edition of the 2nd Level Specializing Master on Navigation and Related Applications is a joint initiative of Politecnico di Torino and Istituto Superiore Mario Boella (ISMB) with the collaboration of the Istituto Nazionale di Ricerca Metrologica (INRIM) and the United Nations Office for Outer Space Affairs (UN-OOSA). The II Level Specializing Master is a post graduate academic program (taken after a Master of Science program) that provides high quality training. It provides students with professional knowledge and skills.

Admission requirements: In order to be enrolled, applicants must have a 5-year (10 semesters) university degree already obtained. The MNA program is addressed to graduate students having completed a Master of Science Degree (or equivalent) title in the following areas or related subjects:

Electrical Engineering, Aerospace Engineering, Environmental Engineering, Communication Engineering, Information Technology or related subjects.

Knowledge of written and spoken English is required (English is the official language of the MNA), together with basic notions in communication theory and electronics. An English language certification is needed. **No basic knowledge in navigation is required.**

Deadline: 20 th October 2017 h11:59 am Italian Time	ECTS (European Credit Transfer System): 66
Format: Full time	Internship: 400h
Language: English	Maximum of participants: 30
Campus: Politecnico - Lingotto	Participation fees and Financial Support: The participation fee is 4500,00 Euro. It is possible to apply for scholarships.
Financial support: https://didattica.polito.it/master/navigation/2018/financial_support	

During this period students will be supported by the Specializing Master coordinator and supervised by their tutors (at Politecnico di Torino and in the company). At the end, they will acquire **20 educational credits (ECTS)** (15 ECTS for the internship and 5 ECTS for the project work) developing a pilot project.



	ECTS
Winter term	
Communication Systems and DSP	6
Basics on Geomatics and Satellite Orbits	4
GNSS Introduction	5
Front-End Technologies and Antennas	3
Spring Term	
Time Scales and Timing in GPS and Galileo	3
Augmentation Systems and their Applications	3
GPS and Galileo Receivers	5
Carrier Phase Positioning	4
Summer Term	
Environmental Applications of GNSS Technologies	5
Integration of Satellite Navigation and other Positioning Techniques	3
Fundamentals of Time and Frequency Metrology	3
GNSS Applications and Market	3
Case Studies of GNSS Applications	3

For more information: <https://didattica.polito.it/master/navigation/2018/introduction>

ADDITIONAL INFORMATION PLEASE CONTACT: Office of Specializing Masters Programmes and Lifelong Learning
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