

• **MASTER'S IN:**  
NANO-ELECTRONICS

• **TOTAL CREDITS OF THE PROGRAM: 60**

• **SCHOOL:**  
SCIENCE AND ENGINEERING  
POLYTECHNIC

## YEAR 1

SEMESTER 1	CODE	COURSE NAME	CREDITS
	MNEL 6040	Signal Processing	3
	MNEL 6010	Fundamental Physics	3
	MNEL 6020	Semiconductor and Devices	3
	MNEL 6992T	Research Seminar	1
	PPOS 6999	Graduate School Colloquia	1
	<b>TOTAL CREDITS SEMESTER 1</b>		<b>11</b>

SEMESTER 2	CODE	COURSE NAME	CREDITS
	MNEL 6050	Optoelectronics	3
	MNEL 6060	High Frequency Electronics	3
	MNEL 6030	Analog CMOS Technology	3
	MNEL 6070	Digital CMOS Technology	3
	<b>TOTAL CREDITS SEMESTER 2</b>		<b>12</b>

SUMMER SESSION	CODE	COURSE NAME	CREDITS
	MNEL 6082	Chip Design	3
	MNEL 6083	Nanometric Devices	3
	<b>TOTAL CREDITS SUMMER SESSION</b>		<b>6</b>

## YEAR 2

SEMESTER 3	CODE	COURSE NAME	CREDITS
	MNEL 7401	Emphasis Course 1	5
	MNEL 7402	Emphasis Course 2	3
	MNEL 7403	Emphasis Course 3	2
	MNEL 7404	Emphasis Course 4	2
	MNEL 7405	Emphasis Course 5	3
	<b>TOTAL CREDITS SEMESTER 3</b>		<b>15</b>

SEMESTER 4	CODE	COURSE NAME	CREDITS
	MNEL 7993T	Emphasis Course 6	16
	<b>TOTAL CREDITS SEMESTER 4</b>		<b>16</b>

**NOTE 1:** The sequence of the courses in this curriculum could vary depending on the availability of professors, schedules, location, etc.; the academic load will be respected as noted.

**NOTE 2:** The first year of the graduate program is conducted entirely in Spanish. The second year will be held in English at INPT, or Italian and English at UNICAL.