

Sample Program

Master of Science (MS) in Electrical Engineering (Microelectronics)

UP Electrical and Electronics Engineering Institute

Updated: January 13, 2015

Total Units: **30 units**

Major	14 units
Electives	9 units
Seminar/Proposal	1 unit
Thesis	6 units

First Year

First Semester

Course	Classification	Lecture Units	Lab Units	Total Units
EE 220 (Analog Integrated Circuits)	Major	3	1	4
EE 226 (Digital Integrated Circuits)	Major	3	1	4
EE 290 (Directed Studies)	Elective	3	0	3
		9	2	11

Second Semester

Course	Classification	Lecture Units	Lab Units	Total Units
EE 224 (Mixed-Signal Integrated Circuits)	Major	2	1	3
EE 227 (Modern VLSI)	Major	2	1	3
EE 290 (Directed Studies)	Elective	3	0	3
EE 296 (Seminar)	Proposal	1	0	1
		8	2	10

Second Year

First Semester

Course	Classification	Lecture Units	Lab Units	Total Units
EE 229 (RF Microelectronics)	Elective	3	0	3
EE 300 (Master's Thesis)	Thesis	3	0	3
		6	0	6

Second Semester

Course	Classification	Lecture Units	Lab Units	Total Units
EE 300 (Master's Thesis)	Thesis	3	0	3
		3	0	3