

GRADUATE PROGRAM
College of Science
University of the Philippines Diliman

**MASTER OF SCIENCE IN MATERIALS SCIENCE AND ENGINEERING
(Non-Thesis Option)**

	<u>Units</u>
Core Courses	24
Graduate Seminar	1

Specialization Courses (minimum of 12 units)

<u>COURSE No.</u>	<u>DESCRIPTIVE TITLE</u>	<u>UNITS</u>
MSE 243 – (Epitaxial Growth)		3
MSE 243.1 – (Epitaxial Growth Laboratory)		2
MSE 245 – (Semi Conductor Characterization)		3
MSE 245.1 – (Semi-Conductor Characterization Laboratory)		3
MSE 253 – (Heat Treatment of Ferrous and Special Alloys)		3
MSE 255 – (Metal Casting)		3
MSE 265 – (Ceramics Materials)		3
MSE 266 – (Polymer Materials)		3
MSE 267 – (Surface Science)		3
MSE 268 – (Degradation of Materials)		3
MSE 271 – (Physics of Liquid Crystals)		3
MSE 271.1 – (Applied Liquid Crystals I)		3
MSE 271.2 – (Applied Liquid Crystals II)		3
MSE 275 – (Advanced Physics of Solids I)		3
MSE 276 – (Advanced Physics of Solids II)		3
MSE 281 – (Dislocation Theory)		3
MSE 283 – (Semi Conductor Materials Processes)		3
MSE 283.1 – (Semiconductor Device Fabrication Laboratory)		2
MSE 285 – (Electron Microscopy)		3
MSE 286 – (Powder Technology)		3
MSE 287 – (Crystal Growth)		3
MSE 287.1 – (Crystal Growth Laboratory)		2
MSE 298 – (Special Problems)		3

Total Minimum Units Required	37
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Deadline of submission of Application:

1st Semester – April 30

2nd Semester – September 30

Application fee – Php 500.00