

**Doctor of Philosophy Program in Materials Science and Engineering (International Program)**  
**Doctor of Philosophy (Materials Science and Engineering)**  
**5 Year**

**1.2: Research Oriented Projects (5-year program) MSE**

<b>Total Credits of the Program</b>	No less than	76	Credit
<b>Curriculum Structure</b>			
1) Core Courses	No less than	4	Credit (non credit)
1.1) Colloquium			4 Credit (non credit)
MSE 588 Colloquium I (SU)			1(0-0-0)
MSE 589 Colloquium II (SU)			1(0-0-0)
MSE 688 Colloquium III (SU)			1(0-0-0)
MSE 689 Colloquium IV (SU)			1(0-0-0)
1.2) Professional Development			3 Credit (non credit)
MSE 668 Professional Development (SU)			3(3-0-6)
1.3) Leadership in Science and Engineering			3 Credit (non credit)
MSE 669 Leadership in Science and Engineering (SU)			3(3-0-6)
2) Thesis	No less than	76	Credit
MSE 698 Thesis (SU)			0(0-0-0)