

# National Taiwan University of Science and Technology

## Department of Industrial Management

### Application Form for the Certificate of Engineering Concentration

(No.) : \_\_\_\_\_

Eligibility: Students who completed and passed one of the following three engineering concentrations. The completed application form together with official transcript are to be submitted to the Department of Industrial Management.

**※Personal Information (please PRINT)**

Application Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Full Name:	Student ID No.:
Email Address:	Cellphone:

Field	Systems Engineering	Human Factors Engineering	Data Science																																						
Cond.	Completed at least four courses in areas of Production Management and Operations Research, and fulfilled the following two conditions: I. Completed the course "Production Management System". II. Completed at least one of the four courses from the following: "Linear Programming", "Applied Probability Models", "Mathematical Programming" and "Stochastic Processes".	Completed at least three courses in area of Human Factors Engineering, and selected at least one course from "Psychological Foundations in H. F. Engineering" and "Physiological Foundations in Human Factors"	Completed at least four courses in areas of Information Technology, and selected at least one course from "Data Science", "Data Mining Applications" and "Big Data Analytics and Applications".																																						
Course List	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> IM6307 Production Management system</td> <td style="text-align: center;">Must</td> </tr> <tr> <td><input type="checkbox"/> IM5101 Linear Programming</td> <td></td> </tr> <tr> <td><input type="checkbox"/> IM6101 Mathematical Programming</td> <td style="text-align: center;">1 Of the 4</td> </tr> <tr> <td><input type="checkbox"/> IM7103 Applied Probability Models</td> <td></td> </tr> <tr> <td><input type="checkbox"/> IM7102 Stochastic Processes</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> IM6307 Production Management system	Must	<input type="checkbox"/> IM5101 Linear Programming		<input type="checkbox"/> IM6101 Mathematical Programming	1 Of the 4	<input type="checkbox"/> IM7103 Applied Probability Models		<input type="checkbox"/> IM7102 Stochastic Processes						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> IM7301 Psychological Foundations in H.F. Engineering</td> <td style="text-align: center;">1 Of the 2</td> </tr> <tr> <td><input type="checkbox"/> IM7303 Physiological Foundations in Human Factors</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	<input type="checkbox"/> IM7301 Psychological Foundations in H.F. Engineering	1 Of the 2	<input type="checkbox"/> IM7303 Physiological Foundations in Human Factors										<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> IM5213 Data Science</td> <td style="text-align: center;">1 Of the 3</td> </tr> <tr> <td><input type="checkbox"/> IM5803 Data Mining Applications</td> <td></td> </tr> <tr> <td><input type="checkbox"/> IM5211 Big Data Analytics and Applications</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	<input type="checkbox"/> IM5213 Data Science	1 Of the 3	<input type="checkbox"/> IM5803 Data Mining Applications		<input type="checkbox"/> IM5211 Big Data Analytics and Applications							
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<b>Result</b>	<input type="checkbox"/> Pass <input type="checkbox"/> Fail, reason: _____																																								

Committee Chair: \_\_\_\_\_

Chairman: \_\_\_\_\_