



**CURRICULUM LEADING TO  
PROFESSIONAL SCIENCE MASTER'S DEGREE IN DATA SCIENCE  
EFFECTIVE SY 2020– 2021**

Cat	No.	Descriptive Title	Hours/Week		Credit
			Lec	Lab	
<b>REMEDIAL COURSES (9 Units)</b>			<b>Lec</b>	<b>Lab</b>	
PSMDSRC	101	Statistics for Data Science	3	0	3
PSMDSRC	102	Data Management	3	0	3
PSMDSRC	103	Programming	3	0	3
<b>SCIENCE CORE COURSES (12 Units)</b>			<b>Lec</b>	<b>Lab</b>	
PSMDSSC	101	Data Mining	3	0	3
PSMDSSC	102	Data Visualization	3	0	3
PSMDSSC	103	Applied Machine Learning	3	0	3
PSMDSSC	104	Advanced Data Science	3	0	3
<b>BUSINESS CORE COURSES (6 Units)</b>					
PSMDSBC	101	Business Intelligence and Analytics	3	0	3
PSMDSBC	102	Project Management	3	0	3
<b>SCIENCE ELECTIVE COURSES (3 Units)</b>					
PSMDSSE	101	Decision Methods and Modeling	3	0	3
PSMDSSE	102	Deep Learning	3	0	3
<b>BUSINESS ELECTIVE COURSES (3 Units)</b>					
PSMDSBE	101	Data Quality, Control and Access	3	0	3
PSMDSBE	102	Special Topics in Data Science	3	0	3
PSMDSBE	103	Seminar in Professional Science Practice	3	0	3
<b>CAPSTONE PROJECT (6 Units)</b>					
PSMDSCP	200	Capstone Project 1 (Industry Immersion)	3	0	3
PSMDSCP	201	Capstone Project 2	3	0	3
			<b>TOTAL</b>		<b>30 (9) Units</b>