TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
938 Aurora Blvd. Cubao, Quezon City

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001 =

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

Cat	No.	Descriptive Title	Hours/Week		Credit
			Lec	Lab	
REMEDIAL COURSES (9 Units)			Lec	Lab	
PSMDSRC	101	Statistics for Data Science	3	0	3
PSMDSRC	102	Data Management	3	0	3
PSMDSRC	103	Programming	3	0	3
SCIENCE CORE COURSES (12 Units)			Lec	Lab	
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
BUSINESS CORE COURSES (6 Units)					
PSMDSBC	101	Business Intelligence and Analytics	3	0	3
PSMDSBC	102	Project Management	3	0	3
SCIENCE ELECTIVE COURSES (3 Units)					
PSMDSSE	101	Decision Methods and Modeling	3	0	3
PSMDSSE	102	Deep Learning	3	0	3
BUSINESS ELECTIVE COURSES (3 Units)					
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
CAPSTONE PROJECT (6 Units)					
PSMDSCP	200	Capstone Project 1 (Industry Immersion) (Prerequisite: Comprehensive Exam)	3	0	3
PSMDSCP	201	Capstone Project 2	3	0	3
		TOTAL			**30 Units**