



University of Science and Technology of Southern Philippines

Alubijid | Cagayan de Oro | Claveria | Jasaan | Oroquieta | Panaon

PROFESSIONAL SCIENCE MASTER IN POWER SYSTEMS ENGINEERING & MANAGEMENT

1st Year - 1st Semester					
Course Code	Course Description	Units		Total Units	Prerequisite
		Lab	Lec		
PSM 501	Energy Demand & Supply Analysis and Forecasting	1	3	4	None
	Corporate Communication & Professional Development	0	3	3	None
PSM 503	Human Behavior in Organization	0	3	3	None
Total		1	11	10	

1st Year - 2nd Semester					
Course Code	Course Description	Units		Total Units	Prerequisite
		Lab	Lec		
PSM 504	Fundamentals of Power Systems: Generation, Transmission, Distribution, Operation & Control	1	3	4	None
PSM 502	Responsibility	0	2	2	None
PSM 506	Legal Foundation	0	3	3	None
PSM 513*	Financial Analysis and Reporting	0	3	3	None
Total		1	9	12	

1st Year - Summer					
Course Code	Course Description	Units		Total Units	Prerequisite
		Lab	Lec		
PSM 507	Internship	3	0	3	completed 19 units
Total		3	0	3	

2nd Year - 1st Semester					
Course Code	Course Description	Units		Total Units	Prerequisite
		Lab	Lec		
PSM 508	Optimization & Linear Models of Electric Power Systems	1	3	4	PSM 504
PSM 509	Safety & Workplace Engineering	0	3	3	2nd Year Standing
PSM 510	Energy Sources	0	3	3	2nd Year Standing
Total		1	9	10	

2nd Year - 2nd Semester					
Course Code	Course Description	Units		Total Units	Prerequisite
		Lab	Lec		
PSM 514	Economics of Energy Projects, Electricity Markets and Planning	0	3	3	PSM 508
PSM 511	Organizational Development & Transformation	0	3	3	2nd Year Standing
PSM 512	Capstone Project	0	3	3	2nd Year Standing
Total		0	9	9	
TOTAL UNITS				44	