

Republic of the Philippines
UNIVERSITY OF SOUTHEASTERN PHILIPPINES
Tagum City

GRADUATE SCHOOL

MASTER OF SCIENCE IN ENGINEERING

Major: Land and Water Resources Eng'g and Technology

COURSE NO	DESCRIPTION	UNITS
CORE COURSE		
OR 200	Operation Research	3
Stat 160	Research methods and Experimental Design	3
MSAE 102	Computer Programming for Engineers with Lab	3
MSAE 104	Environmental Impact Assessment	3
MAJOR COURSES		
<i>Water Resource Engineering</i>		
WRE 201	Water Resource Planning	3
WRE 202	Ground Water Hydrology with Lab	3
WRE 203	Hydrometeorology with Lab	3
WRE 204	Water Management	3
GIS 205	GIS and Remote Sensing with Lab	3
WRE 206	Erosion and Sediment Transport	3
WRE 207	Principles of Tropical Water Quality Management w/ Lab	3
WRE 299	Graduate Seminar	1
WRE 290	Special Topics	2
COGNATES		
<i>Farm Power Machinery</i>		
FPM 201	Advanced Agricultural Machinery	3
FPM 202	Instrumentation and Measurement with Lab	3
FPM 203	Tractor & Power Equipment	3
<i>Food Process Engineering</i>		
FPE 201		
FPE 202	Physical Properties and Processing of Agr'l Products	3
FPE 203	Food Engineering Operation	3
	Material Handling	3
<i>Agricultural Structures</i>		
FS 201		
FS 202		
FS 203	Design and Construction of Farm	3
WRE 300	Electrical Systems and Equipment	3
	Non Conventional Energy Technology	3
	Master's Thesis	6
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Summary	Core Courses	12 units
	Major Courses	24 Units
	Cognates	6 units
	Masters Thesis	6 units
		<hr/> 48 units

Note

Comprehensive Exam is required for those GPA lower than 1.25