



Republic of the Philippines  
**WESTERN MINDANAO STATE UNIVERSITY**  
College of Engineering and Technology  
Zamboanga City



Revised Curriculum – by virtue of SO 99 series 2007  
**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING**  
Effective 1<sup>st</sup> Semester SY 2008-2009

**THIRD YEAR**

FIRST SEMESTER					SECOND SEMESTER				
		Lec	Lab	Units			Lec	Lab	Units
BEM 107	Differential Equation	3	0	3	BEM 108	Adv. Eng’g Math	3	0	3
BES 119	Eng’g Mechanics	5	0	5	BES 121	Strength of Materials	3	0	3
COE 131	Electronics Eng’g 1	3	3	4	BES 120	Engineering Economy	3	0	3
COE 133	Network Analysis (Circuit 1)	3	3	4	COE 132	Electronics Eng’g 2	3	3	4
COE 135	Computer Hardware Fundamentals (Lab)	0	6	2	COE 134	Network Analysis (Circuit 2)	3	3	4
COE 137	Environmental & Safety Eng’g	3	0	3	COE 136	Data Structures & Algorithm Analysis	3	3	4
				21 units					21 units

**FOURTH YEAR**

		Lec	Lab	Units			Lec	Lab	Units
BES 124	Eng’g Management	3	0	3	BEM 109	Probability & Statistics	3	0	3
COE 141	Logic Circuits & Switching Theory	3	3	4	COE 140	Microprocessors System	3	3	4
COE 143	Computer System Org w/ Assembly Lang	3	3	4	COE 142	Advanced Logic Unit	3	3	4
COE 145	Principles of Communication	3	0	3	COE 144	Operating Systems	3	3	4
COE 147	Software Engineering	3	0	3	COE 146	Data Communication	3	0	3
COE 149	Digital Signal Processing	3	3	4	COE 148	Project Managemnet	2	0	2
				21 units					20 units

**SUMMER**

COE 161	Seminars and Field Trips	1	6	3
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**FIFTH YEAR**

		Lec	Lab	Units			Lec	Lab	Units
COE 151	Design Project 1 (methods of research)	2	0	2	COE 150	Design Project 2 (Project implementation)	0	6	2
COE 153	Computer Networks	3	3	4	COE 152	Test & quality Assurance	2	0	2
COE 155	Input/output & memory Systems	3	3	4	COE 154	Technopreneurship	2	0	2
COE 157	Control Systems	3	0	3	COE 156	Eng’g ethics & Computer Laws	3	0	3
COE 159	Elective 1 (On-line Technology)	2	3	3	COE 158	Computer System Architecture	3	0	3
				16 units	COE 160	Elective 2 (On-line Technology)	2	3	3
									16 units

Note: As part of the requirement for graduation; the candidate must undergo 320 hrs (min of On-the-Job training. This will enable the student to relate the acquired competencies to the realities and problems of industries. Specially on the skills in planning, team management, communications and technical skills.)