

PAMANTASAN NG CABUYAO
 Katapatan Mutual Homes, Banaybanay,
 City of Cabuyao, Laguna
OBE CURRICULUM
BSCpE - 2018

Course Code	Description	Units	Pre-requisite
1st Year - First Semester			
COE101	Calculus 1 for Engineers	3.00	NONE;
COE102	Chemistry for Engineers	4.00	NONE;
CPP101	Computer Engineering as a Discipline	1.00	NONE;
CPP102	Programming Logic and Design	2.00	NONE;
ENT101	The Entrepreneurial Mind	3.00	NONE;
MAT101	Mathematics in the Modern World	3.00	NONE;
NSTP1	National Service Training Program 1	3.00	NONE;
PED101	Physical Education 1	2.00	NONE;
1st Year - Second Semester			
COE104	Calculus 2 for Engineers	3.00	COE101;
COE105	Physics for Engineers	4.00	COE101;
COE107	Engineering Data Analysis	3.00	COE101;
COM101	Purposive Communication	3.00	NONE;
CPP103	Object Oriented Programming	2.00	CPP102;
GAD101	Gender and Development	3.00	NONE;
NSTP2	National Service Training Program 2	3.00	NSTP1;
PED102	Physical Education 2	2.00	PED101;
2nd Year - First Semester			
COE108	Differential Equations	3.00	COE104;
COE109	Engineering Economics	3.00	2nd Year Standing;
CPA101	Fundamentals of Electrical Circuits	4.00	COE105;
CPP104	Data Structures and Algorithms	2.00	CPP103;
DCM101	Discrete Mathematics	3.00	COE101;
PED103	Physical Education 3	2.00	PED102;
PSY100	Understanding the Self	3.00	NONE;
2nd Year - Second Semester			
COE110	Computer Aided Drafting	1.00	2nd Year Standing;
CPA102	Fundamentals of Electronics Circuits	4.00	CPA101;
CPP105	Numerical Methods	3.00	COE108;
CPP106	Software Design	4.00	CPP104;
ETH101	Ethics	3.00	NONE;
HIS101	Readings in Philippine History	3.00	NONE;
ITE101	Living in the IT Era	3.00	NONE;
PED104	Physical Education 4	2.00	PED103;
3rd Year - First Semester			
CPP107	Logic Circuits and Design	4.00	CPP102;
CPP108	Operating Systems	3.00	CPP104;
CPP109	Data and Digital Communications	3.00	CPP102;
CPP110	Introduction to HDL	1.00	CPP102; CPA102;
CPP111	Feedback and Control System	3.00	CPP106; CPA101;
HMN101	Art Appreciation	3.00	NONE;
RIZ101	Life and Works of Rizal	3.00	NONE;
SOC101	The Contemporary World	3.00	NONE;
STS101	Science, Technology and Society	3.00	NONE;
3rd Year - Second Semester			
COE111	Basic Occupational Health and Safety	3.00	3rd Year Standing;
CPE101	Introduction to Robotics	3.00	CPA101;
CPP112	CpE Laws and Professional Practice	2.00	3rd Year Standing;
CPP113	Computer Engineering Drafting and Design	1.00	CPA102;
CPP114	Computer Network and Security	4.00	CPP109;
CPP115	Microprocessors	4.00	CPP107; COE107;
CPP116	Research Methods for Computer Engineers	2.00	COM101; CPP108;
3rd Year - Summer			
COE114	Engineering Industry Immersion	3.00	3rd Year Standing;
4th Year - First Semester			
CPE102	Network Embedded System	3.00	CPE101;
CPP117	Embedded Systems	4.00	CPP115;
CPP118	Computer Architecture and Organization	4.00	CPP115;
CPP119	Digital Signal Processing	4.00	CPP111;
CPP120	CpE Practice and Design 1	1.00	CPP115; CPP116;
CPP121	Fundamentals of Mixed Signals and Sensors	3.00	CPA102;
4th Year - Second Semester			
COE116	Seminars, Colloquium and Fieldtrips	1.00	4th Year Standing;
CPE103	Mobile Embedded System	3.00	CPE102;
CPP122	CpE Practice and Design 2	2.00	CPP120;
CPP123	Emerging Technologies in CpE	3.00	4th Year Standing;
TEC101	Technopreneurship	3.00	4th Year Standing;