

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

Course Code	Description	Units	Pre-requisite
<b>1st Year - First Semester</b>			
COE101	Calculus 1 for Engineers	3.00	NONE;
COE102	Chemistry for Engineers	4.00	NONE;
COE103	Computer Fundamentals and Programming 1	1.00	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;
SOC101	The Contemporary World	3.00	NONE;
<b>1st Year - Second Semester</b>			
COE104	Calculus 2 for Engineers	3.00	COE101;
COE105	Physics for Engineers	4.00	COE101;
COE106	Computer Fundamentals and Programming 2	1.00	COE103;
COE107	Engineering Data Analysis	3.00	MAT101;
COM101	Purposive Communication	3.00	NONE;
GAD101	Gender and Development	3.00	NONE;
HIS101	Readings in Philippine History	3.00	NONE;
NSTP2	National Service Training Program 2	3.00	NSTP1;
PED102	Physical Education 2	2.00	PED101;
<b>2nd Year - First Semester</b>			
COE108	Differential Equations	3.00	COE104;
COE109	Engineering Economics	3.00	COE107;
ECA102	Physics 2	4.00	COE105;
HMN101	Art Appreciation	3.00	NONE;
PED103	Physical Education 3	2.00	PED102;
PSY100	Understanding the Self	3.00	NONE;
RIZ101	Life and Works of Rizal	3.00	NONE;
STS101	Science, Technology and Society	3.00	NONE;
<b>2nd Year - Second Semester</b>			
COE110	Computer Aided Drafting	1.00	2nd Year Standing;
ECA101	Material Science and Engineering	3.00	COE102;
ECA103	Circuit 1	4.00	ECA102;
ECP101	Electronic Devices and Circuits	4.00	NONE;
ECP102	Advanced Engineering Mathematics for ECE	4.00	COE108;
ITE101	Living in the IT Era	3.00	NONE;
PED104	Physical Education 4	2.00	PED103;
<b>3rd Year - First Semester</b>			
ECA104	Circuit 2	4.00	ECA103;
ECP103	Electronics Circuit Analysis and Design	4.00	ECP101;
ECP104	Principles of Communication Systems	4.00	NONE;
ECP105	Logic Circuits and Switching Theory	4.00	ECP101;
ECP106	Signals, Spectra, and Signal Processing	4.00	ECP102;
<b>3rd Year - Second Semester</b>			
ECP107	Electromagnetics	4.00	NONE;
ECP108	Electronics System and Design	4.00	ECP103;
ECP109	Modulation and Coding Techniques	4.00	ECP104;
ECP110	Microprocessor, Microcontroller System & Design	4.00	ECP105;
ECP111	Research Methods for ECE	3.00	COE107; COM101;
ETH101	Ethics	3.00	NONE;
<b>3rd Year - Summer</b>			
COE114	Engineering Industry Immersion	3.00	3rd Year Standing;
<b>4th Year - First Semester</b>			
COE113	Environmental Science and Engineering	3.00	COE102;
COE115	Engineering Management	2.00	4th Year Standing;
ECE101	ECE Elective 1	4.00	4th Year Standing;
ECP112	Transmission Media and Antenna System & Design	4.00	ECP109;
ECP113	Data Communication	4.00	ECP109;
ECP114	Design Project 1	1.00	4th Year Standing;
ECP115	Competency Appraisal 1	3.00	4th Year Standing;
<b>4th Year - Second Semester</b>			
COE116	Seminars, Colloquium and Fieldtrips	1.00	4th Year Standing;
ECE102	ECE Elective 2	4.00	4th Year Standing;
ECP116	Feedback and Control Systems	4.00	ECP106;
ECP117	Design Project 2	1.00	ECP114;
ECP118	ECE Laws, Contracts, Ethics, Standards & Safety	3.00	4th Year Standing;
ECP119	Competency Appraisal 2	3.00	ECP115;
TEC101	Technopreneurship	3.00	4th Year Standing;