

**HOLY ANGEL UNIVERSITY**  
**COLLEGE OF ENGINEERING AND ARCHITECTURE**  
**BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING**  
**EFFECTIVE S.Y. 2010 - 2011**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEC HRS</b>	<b>LAB HRS</b>	<b>CREDIT UNITS</b>	<b>PRE-REQUISITE</b>
<b>FIRST YEAR FIRST SEMESTER</b>					
ALGEBRA1	Collge Algebra	3	0	3	NONE
TRIGO	Plane and Spherical Trigonometry	3	0	3	NONE
GENCHEM1	General Chemistry 1 Lecture	2	0	2	NONE
GENCHEM1L	General Checmistry 1 Laboratory	0	3	1	Coreq. GENCHEM1
ESDRAW	Engineering Drawing	0	3	1	NONE
1ENGLISH	Reading and Writing	3	0	3	NONE
4PHILHIS	Philippine History	3	0	3	NONE
5THEO1	Doing Catholic Theology for Today's Filipino	3	0	3	NONE
5ORIENT	Orientation	1	0	1	NONE
7SELECT	Selt-Testing Activities	2	0	2	NONE
NSTP1	National Service Training Program 1			3	NONE
		<b>20</b>	<b>6</b>	<b>25</b>	
<b>FIRST YEAR SECOND SEMESTER</b>					
ALGEBRA2	Collge Algebra 2	2	0	2	ALGEBRA1
ANAGEO	Analytic Geometry	3	0	3	ALGEBRA1, TRIGO
SOLIDM	Solid Mensuration	2	0	2	ALGEBRA1, TRIGO
GENCHEM2	General Chemistry 2	1	3	2	GENCHEM1,GENCHEM1L
ARCDRAW	Architectural Drawing	0	3	1	ESDRAW
1SPEECH	Speech and Oral Communication	3	0	3	1ENGLISH
5LOGIC	Logic	3	0	3	NONE
5ARTAPP	Art Appreciation	3	0	3	NONE
5THEO2	Christian Moral Living of Today's Filipino	3	0	3	5THEO1
7RHYACT	Fundamentals of Rhythmic Activities	2	0	2	7SELECT
NSTP2	National Service Training Program 2			3	NSTP1
		<b>22</b>	<b>6</b>	<b>27</b>	
<b>SECOND YEAR FIRST SEMESTER</b>					
DIFFCAL	Differential Calculus	4	0	4	ALGEBRA2, ANAGEO, SOLIDM
PHYSICS1	Physics 1 Lecture	4	0	4	ALGEBRA1, TRIGO
PHYSICS1L	Physics 1 Laboratory	0	3	1	COREQ: PHYSICS1
BASCAD	Basic Computer-Aided Drafting	0	3	1	ARCDRAW
4GENPSY	General Psychology	3	0	3	NONE
1TECHCOM	Technical Communication	3	0	3	1SPEECH
3FILKOM	Komunikasyon sa Akademikong Filipino	3	0	3	NONE
5THEO3	A Catholic View of Sexuality, Marriage and Family Life	3	0	3	5THEO2
7FUNGAM	Fundamentals of Games and Sports	2	0	2	7RHYACT
		<b>22</b>	<b>6</b>	<b>24</b>	
<b>SECOND YEAR SECOND SEMESTER</b>					
INTECAL	Integral Calculus	4	0	4	DIFFCAL
PHYSICS2	Physics 2 Lecture	4	0	4	PHYSICS1, PHYSICS1L
PHYSICS2L	Physics 2 Laboratory	0	3	1	COREQ: PHYSICS2
COMFUN	Computer Fundamentals and Programming	0	6	2	2ND YR STANDING
APCAD	Advanced Computer-Aided Drafting and Applications	0	3	1	BASCAD
4RIZAL	Life and Works of Rizal	3	0	3	NONE
4PHIGOV	Politics and Governance with Philippine Constitution	3	0	3	4PHILHIS
3FILBAS	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3	3FILKOM
5THEO4	A Theology of Social Transformation for the Filipino Catholic	3	0	3	5THEO3
7REACT	Recreational Activities	2	0	2	7FUNGAM
		<b>22</b>	<b>12</b>	<b>26</b>	
<b>THIRD YEAR FIRST SEMESTER</b>					
STATICS	Statics of Rigid Bodies	3	0	3	PHYSICS1, PHYSICS1L
CKTS1	Circuits 1 Lecture	3	0	3	PHYSICS2, PHYSICS 2L, INTECAL
CKTS1L	Circuits 1 Laboratory	0	3	1	COREQ: CKTS1
ELECDEV	Electronic Devices and Circuits Lecture	3	0	3	PHYSICS2, PHYSICS2L, INTECAL
ELECDEVL	Electronic Devices and Circuits Laboratory	0	3	1	COREQ: ELECDEV
DIFEQNS	Differential Equations	3	0	3	INTECAL
ENVISAFE	Environmental Engineering and Safety Management	3	0	3	GENCHEM2, 3RD YR STANDING
PRINECO	Principles of Economics with Taxation and Land Reform	3	0	3	NONE
5PHILOMAN	Philosophy of Man	3	0	3	NONE
		<b>21</b>	<b>6</b>	<b>23</b>	
TO BE ALLOWED TO CONTINUE WITH THE ECE PROGRAM, A STUDENT MUST have a minimum grade of 2.75 in ELECDEV, ELECDEVL ( with no grade of 3.0, 5.0, or 6.0 in the said subjects).					
<b>THIRD YEAR SECOND SEMESTER</b>					
DYNAMICS	Dynamics of Rigid Bodies	2	0	2	STATICS
MDEFBOD	Mechanics of Deformable Bodies	3	0	3	STATICS
CKTS2	Circuits 2 Lecture	3	0	3	CKTS1, CKTS1L
CKTS2L	Circuits 2 Laboratory	0	3	1	COREQ: CKTS2
ELECAD	Electronics Circuits Analysis and Design Lecture	3	0	3	ELECDEV, ELECDEVL
ELECADL	Electronics Circuits Analysis and Design Laboratory	0	3	1	COREQ: ELECAD
ADVMATH	Advanced Engineering Mathematics	3	0	3	DIFEQNS
PROSTAT	Probability and Statistics	3	0	3	ALGEBRA2, 3RD YR STANDING
ESENECO	Engineering Economy	3	0	3	3RD YR STANDING
ESENMGT	Engineering Management	3	0	3	3RD YR STANDING
		<b>23</b>	<b>6</b>	<b>25</b>	

**HOLY ANGEL UNIVERSITY**  
**BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING**  
**EFFECTIVE S.Y. 2010 - 2011**

<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>LEC HRS</b>	<b>LAB HRS</b>	<b>CREDIT UNITS</b>	<b>PRE-REQUISITE</b>
<b>FOURTH YEAR FIRST SEMESTER</b>					
_____ VECTAN	Vector Analysis	3	0	3	INTECAL
_____ PULSWITCH	Pulse and Switching Electronics Lecture	3	0	3	ELECAD, ELECADL
_____ PULSWITCHL	Pulse and Switching Electronics Laboratory	0	3	1	COREQ: PULSWITCH
_____ FUNMATLS	Fundamentals of Materials Science and Engineering	3	0	3	GENCHEM2, PHYSICS2, PHYSICS2L
_____ ECEDSP	Signals, Spectra and Signal Processing Lecture	3	0	3	PROSTAT, ADVMATH
_____ ECEDSPL	Signals, Spectra and Signal Processing Laboratory	0	3	1	COREQ: ECEDSP
_____ IELEX	Industrial Electronics	3	0	3	ELECAD, ELECADL
_____ IELECSL	Industrial Electronics Laboratory	0	3	1	COREQ: IELEX
_____ PRINCOM	Principles of Communications Lecture	3	0	3	ELECAD, ELECADL, ADVMATH
_____ PRINCOML	Principles of Communications Laboratory	0	3	1	COREQ: PRINCOM
_____ ICT1	Information and Communications Technology 1	0	4	1	COMFUN
		<b>18</b>	<b>16</b>	<b>23</b>	
<b>FOURTH YEAR SECOND SEMESTER</b>					
_____ ELECMAG	Electromagnetics	3	0	3	PHYSICS2, PHYSICS2L, VECTAN
_____ DISMATH	Discrete Mathematics	3	0	3	ALGEBRA2
_____ NUMMETH	Numerical Methods with Computer Application	3	3	4	ADVMATH, COMFUN
_____ DIGICOM	Digital Communications Lecture	3	0	3	PRINCOM, PRIMCOML
_____ DIGICOML	Digital Communications Laboratory	0	3	1	COREQ: DIGICOM
_____ LOGCAST	Logic Circuits and Switching Theory Lecture	3	0	3	ELECDEV, ELECDEVL
_____ LOGCASTL	Logic Circuits and Switching Theory Laboratory	0	3	1	COREQ: LOGCAST
_____ ICT2	Information and Communications Technology 2	0	4	1	ICT1
_____ PDPR	Personality Development and Public Relations	1	0	1	4TH YR STANDING
_____ ECEOJT	ECE On-the-Job Training (minimu, of 320 hours)			3	4TH YR STANDING
		<b>16</b>	<b>13</b>	<b>23</b>	
<b>FIFTH YEAR FIRST SEMESTER</b>					
_____ TRANSMED	Transmission Media and Antenna Systems Lecture	3	0	3	DIGICOM, DIGICOML, ELECMAG
_____ TRANSMEDL	Transmission Media and Antenna Systems Laboratory	0	3	1	COREQ: TRANSMED
_____ MICPRONS	Microprocessors and Microcontrollers Systems	3	0	3	LOGCAST, LOGCASTL, ELECAD, ELECADL, COMFUN
_____ MICPRONSL	Microprocessors and Microcontrollers Systems Laboratory	0	3	1	COREQ: MICPRONS
_____ CONSYS	Control System Lecture	3	0	3	CKTS2, CKTS2L, ADVMATH
_____ CONSYSL	Control System Laboratory	0	3	1	COREQ: CONSYS
_____ ESTHERM	Thermodynamics	3	0	3	PHYSICS2, PHYSICS2L, INTECAL
_____ ECETOPICS	Special Topics and Issues in ECE	0	3	1	IELEX, IELECSL
_____ ECEREPRO1	ECE Research Project 1	0	3	1	COREQ: MICPRONS, MICPRONSL
_____ ICT3	Information and Communications Technolgy 3	0	4	1	ICT2
_____ ECE-ELECT1	ECE Elective 1	3	0	3	
_____ ECE-ELECT2	ECE Elective 2	3	0	3	
		<b>18</b>	<b>19</b>	<b>24</b>	
<b>FIFTH YEAR SECOND SEMESTER</b>					
_____ DATACOM	Data Communications Lecture	3	0	3	DIGICOM, DIGICOML, ICT3
_____ DATACOML	Data Communications Laboratory	0	4	1	COREQ: DATACOM
_____ ECELAW	ECE Laws, Contracts and Ethics	3	0	3	5TH YR STANDING
_____ ECESFT	ECE Seminars and Field Trips	0	3	1	ECETOPICS
_____ ENERCON	Energy Conversion Lecture	3	0	3	ELECMAG, CKTS2, CKTS2L
_____ ENERCOL	Energy Conversion Laboratory	0	3	1	COREQ: ENERCON
_____ ECEREPRO2	ECE Research Project 2	0	3	1	ECEREPRO1
_____ BRODEAC	Broadcasting Engineering and Acoustics	3	0	3	TRANSMED, TRANSMEDL
_____ BRODEACL	Broadcasting Engineering and Acoustics Laboratory	0	3	1	COREQ: BRODEAC
_____ ECE-ELECT3	ECE Elective 3	3	0	3	
_____ ECE-ELECT4	ECE Elective 4	3	0	3	
		<b>18</b>	<b>16</b>	<b>23</b>	
<b>ELECTIVES</b>					
_____ ECECAAD	Computer -Aided Circuit Analysis and Design in ECE	3	0	3	ELECAD, ELECADL
_____ ECEINTPRO	ECE Computer Interfacing and Programming	3	0	3	ELECAD, ELECADL
_____ NAVAIDS	Navigational Aids	3	0	3	TRANSMED, TRANSMEDL
_____ INCTRLS	Instrumentation and Controls	3	0	3	IELEX, IELECSL
_____ MECHTRONX	Mechatronics	2	3	3	CONSYS, CONSYSL
_____ POWELEC	Power Electronics	3	0	3	ELECDEV, ELECDEVL, ELECMAG
_____ COMPSAR	Computer Systems Architecture	3	0	3	LOGCAST, LOGCASTL
_____ DIGICOS	Digital Control System	3	0	3	CONSYS, CONSYSL
_____ COMMUSYS	Communications Systems Design	2	3	3	WIRELESS
_____ LOGISTICS	Logistics Engineering and Management	3	0	3	4TH YR STANDING
_____ WIRELESS	Wireless Communication	3	0	3	TRANSMED, TRANSMEDL
_____ DATASTRAN	Data Structure and Algorithm Analysis	3	0	3	COMFUN
_____ ROBOTICS	Robotics	3	0	3	CONSYS, CONSYSL
_____ ENTREP	Entrepreneurship for Engineers	3	0	3	ESENECO