



INDIANA AEROSPACE UNIVERSITY

IAU Town Center Basak, Kagudoy Rd., Lapu-Lapu City
BACHELOR OF SCIENCE IN AVIONICS TECHNOLOGY
 (Revised Curriculum per CHED Memo Order No. 30, S 2004)
 Effective Academic Year 2013-2014

FIRST YEAR

FIRST SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Eng 100	Study & Thinking Skills in English	3	0	3	
Fil 100	Sining ng Pakikipagtalastasan	3	0	3	
Chem 1	Inorganic	3	3	4	
Math 100	College Algebra	3	0	3	
Math 110	Plane & Spherical Trigonometry	3	0	3	
Draw 100	Engineering Drawing 1	0	6	2	
AVT 111	Aviation Orientation	2	0	2	
AVT 112	Aviation Safety	2	0	2	
AVT 113	Theory of Flight (Fixed/Rotary Wing)	3	0	3	
CM 1	The Commandments & Morals	(1)	0	1	
P. E. 11	Self- Testing Activities	2	0	(2)	
NSTP 1	Civil Welfare Training Program 1	3	0	(3)	
		26	9	31	

SECOND SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Chem 2	Inorganic	3	3	4	
Math 120	Analytic and Solid Geometry	3	0	3	
Draw 120	Intro to CAD 2D & 3D Designs	2	3	3	
AVT 121	Funda. Of AC-DC Electron Workshop 1-Electrical & Electronic Hand	2	3	3	
AVT 122	Tools Usages	0	6	2	
AVT 123	Radio Laws	3	0	3	
AVT 124	Aircraft System	2	3	3	
AVT 125	Test Equipment	0	2	2	
CM 2	The Creed	(1)	0	(1)	
P. E. 12	Fundamentals of Rhythmic Activities	2	0	(2)	
NSTP 2	Civil Welfare Training Program 2	3	0	3	
		21	20	29	

SUMMER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Math Plus	Basic Math	3	0	3	
English Plus	Basic English	3	0	3	
Computer1	Basic Computer	3	0	3	
		9	0	9	

SECOND YEAR

FIRST SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Engl 200	Speech & Oral Communication	3	0	3	
Math 120	Differential Calculus	4	0	4	
AVT 211	Electronic 1-Solid State Devices	2	1	3	
AVT 212	Weight and Balance	2	0	2	
AVT 213	Antenna System	2	1	3	
AVT 214	Principle of Communication	3	0	3	
AVT 215	Air Laws & Civil Regulations	3	0	3	
AVT 216	Basic A/C Flight Control & Nav. Instr. Basic A/C Airframe & Electrical Power	2	3	3	
AVT 217	Distribution System	2	3	3	
CM 3	The Commandments & Morals	(1)	0	(1)	
PE 21	Group Games & Sports/Martial Arts	2	0	(2)	
		24	8	28	

SECOND SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Engl 220	Technical Report Writing Digital Techniques Components &	3	0	3	
AVT 221	Circuitry	2	3	3	
AVT 222	Corrosion Prevention	3	0	3	
AVT 223	Airbone Communication Elect.	3	1	4	
AVT 225	Powerplant 1 Aviation Radio-Communication Proc.	2	3	3	
AVT 226	Phonetics & Morse Code	2	3	3	
AVT 227	Airports, Airways & ATC Systems	3	0	3	
PHYS	Applied Physics	3	0	3	
CM 4	Bible Study	(1)	0	(1)	
PE 22	Recreational Activities	2	0	(2)	
		24	10	28	

Upon completion of the first two years of the course, the student will be conferred the certificate of Associate in Avionics Technology provided he/she has undergone the 200hrs On-the-Job Training (Requirements for graduation in Associate in Avionics Technology).

THIRD YEAR

FIRST SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Math 220	Integral Calculus	4	0	4	
Mech 310	Engineering Mechanics	4	0	4	
Phys 220	Magnetism, Electricity, Sound, and Optics	3	1	4	
AVT 310	Fundamentals of Aerodynamics	4	0	4	
AVT 320	Radar	3	0	3	
AVT 330	Auto Pilot	3	0	3	
Hist 110	Philippine History	3	0	3	
Research 1	Thesis Writing 1	2	0	2	
		24	1	28	

SECOND SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Mech 320	Strength of Materials	3	0	3	
AVT 340	Thermodynamics	3	0	3	
Rizal 100	Rizal, Life, Works & Writings	3	0	3	
AVT 350	Elements of Microwave	3	0	3	
AVT 360	Wire & Wireless Communication	3	1	4	
AVT 370	Microprocessor	3	0	3	
Psych 100	General Psychology	3	0	3	
Lit 1	Philippine Literature	3	0	3	
SocSci 100	Sociology w/ Family Planning	3	0	3	
Research 2	Thesis Writing 2	2	0	2	
		29	1	30	

SUMMER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
Engl 120	Writing in the Discipline	3	0	3	
Fil 2	Pagbasa at Pagsulat sa Iba't Ibang Disiplina	3	0	3	
Lit 2	World Literature	3	0	3	
		9	0	9	

FOURTH YEAR

FIRST SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
AVT 410	Navigational Aids	3	0	3	
Stat	Statistics	3	0	3	
AVT 420	Data Communication A/C Materials Construction & Repair	3	1	4	
AVT 413	(Metals)	2	6	4	
Philo 1	Logic	3	0	3	
HRD 100	Human Resource Development	3	0	3	
Comp 2	Programming	3	1	4	
Polsci 1	Phil. Gov't w/ Constitution	3	0	3	
Research 1	Thesis Writing 1	2	0	2	
		25	8	29	

SECOND SEMESTER

Subcodes	Descriptive Titles	Lec	Lab	Units	Pre Req
AVT421	Research	3	0	3	
AVT 422	Modern & Latest Developments in Avionics Technology	3	0	3	
AVT 423	General Information & Functions of CAAP, FAA & ICAO	3	0	3	
AVT 424	Airport Facilities, Flight Operations & Maintenance (MCIAA)	3	0	3	
AVT 425	OJT	6	0	6	
Research 2	Thesis Writing 2	2	0	2	
		20	0	20	

Upon completion of the Four- Year course, the student will be conferred the degree of Bachelor of Science in Avionics Technology provided he/she has undergone the 400hrs On-the-Job Training.