

Bachelor of Science in Astronomy Technology

First Year First Semester – 22 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
ASTRO 1	Introduction of Astronomy	3	0	0	ACADEMIC
CHEM 1E LEC/LAB	General Chemistry	2	1	0	ACADEMIC
PSYCHO 1	General Psychology	3	0	0	ACADEMIC
MATH 1	College Algebra	3	0	0	ACADEMIC
ENGLISH 1	Communication Arts 1	3	0	0	ACADEMIC
MATH 5	Plane and Spherical Trigonometry	3	0	0	ACADEMIC
FIL 1	Sining ng Kasanayan sa Pakikipaglatastasan	3	0	0	ACADEMIC
NSTP 1	CWTS/LTS/Military Training 1	3	0	0	ACADEMIC
PE1	Physical Fitness & Self-Testing Activities	2	0	0	PE

First Year Second Semester – 23 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
PHYSICS 1	Mechanic, Wave and Heat	3	0	0	ACADEMIC
PHYSIC 1 LAB	Laboratory	0	1	0	ACADEMIC
ASTRO 3	The Solar System	3	0	0	ACADEMIC
MATH 8	Differential Calculus	3	0	0	ACADEMIC
ASTRO2 L	Observational Astronomy 1 Laboratory	0	2	0	ACADEMIC
ENG 2	Communication Arts 2	3	0	0	ACADEMIC
FIL 2	Retorika	3	0	0	ACADEMIC
MATH 3	Elementary Statistics	3	0	0	ACADEMIC
ES 21	Computer Fundamentals and Desktop Application	2	0	0	ACADEMIC
MATH 3	Elementary Statistics	3	0	0	ACADEMIC
ES 21	Computer Fundamentals and Desktop Application	2	0	0	ACADEMIC
ES 21L	Computer Fundamentals and Desktop Application Laboratory	0	1	0	ACADEMIC
PE 2	Fundamental of Rhythmic Activities	2	0	0	PE
NSTP 2	CWTS/LTS/Military Training 2				

Second Year First Semester – 24 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
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PHYSICS 2	Electric Magnetism and Optic	3	0	0	ACADEMIC
PHYSIC 2 LAB	Laboratory	0	1	0	ACADEMIC
MATH 8	Differential Calculus	3	0	0	ACADEMIC
ASTRO3	The Solar System	3	0	0	ACADEMIC
ES 22	Computer Programing Language	2	0	0	ACADEMIC
ES 22L	Computer Programing Language Laboratory	0	1	0	ACADEMIC
ASTRO4	Introduction of Stars and Galaxies	3	0	0	ACADEMIC
HUMANITIES 2	Survey and Appreciation of Fine Arts	3	0	0	ACADEMIC
ENG 3	Speech and Oral Communication	3	0	0	ACADEMIC
ASTRO5	Astronomy and Geology	2	0	0	ACADEMIC
PE 3	Individual & Dual Sports	2	0	0	PE

Second Year Second Semester – 24 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
ASTRO 6	Introduction to Astrophysics	3	0	0	ACADEMIC
ASTRO 7	Basic Astronomy and Meteorology	3	0	0	ACADEMIC
ES 12	Drafting with AutoCAD	0	1	0	ACADEMIC
CHEMISTRY 2	Organic Chemistry	3	0	0	ACADEMIC
ASTRO 8	Astronomy and Biochemistry	3	0	0	ACADEMIC
MATH 9	Integral Calculus	3	0	0	ACADEMIC
ASTRO 9	Basic Astronomy and Remote Sensing	3	0	0	ACADEMIC
ECONOMICS 1	Principles of Economics with Taxation and Land Reform	3	0	0	ACADEMIC
PE 4	Team Sports	2	0	0	PE

Third Year First Semester – 23 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
CPE 31	Advanced Programming and Laboratory	2	1	0	ACADEMIC
PHYSICS 3	Modern Physics	3	0	0	ACADEMIC
CE 31	Introduction of Geodetic Engineering	3	0	0	ACADEMIC
ME31	Thermodynamics 1	3	0	0	ACADEMIC
ECE31	Electronic Engineering 1	3	0	0	ACADEMIC
MATH 10	Differential Equations	3	0	0	ACADEMIC

ASTRO 9	Basic Astronomy and Remote Sensing	3	0	0	ACADEMIC
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Third Year Second Semester – 23 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
ICE 33	Automatic Control Theory	3	0	0	ACADEMIC
ASTRO 10	Astronomy Instrumentation	3	0	0	ACADEMIC
ASTRO 11	Astronomy Education 1	3	0	0	ACADEMIC
ASTRO 12	Observational Astronomy 2 Lecture	3	0	0	ACADEMIC
ASTRO 12a	Observational Astronomy 2 Laboratory	3	0	0	ACADEMIC
PHYSICS 4	Quantum Physics	3	0	0	ACADEMIC
LITERATURE 2	World Literature	3	0	0	ACADEMIC
CE 32	Higher Surveying	3	0	0	ACADEMIC

Fourth Year First Semester – 21 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
ASTRO 13	Astronomy Education 2	3	0	0	ACADEMIC
ASTRO 14	Issues in Astronomy	3	0	0	ACADEMIC
ASTRO 15	Astronomy Research 1	3	0	0	ACADEMIC
PHYSICS 5	Elementary Particles and Waves	3	0	0	ACADEMIC
PHILO 1	Introduction to Logic	3	0	0	ACADEMIC
ICE 40A	Data Communication	3	0	0	ACADEMIC
COM 44	Wireless Communication	3	0	0	ACADEMIC
HISTORY 1	Philippine History, Roots and Development	3	0	0	ACADEMIC

Fourth Year Second Semester – 21 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
ICE 42 A/L	Programmable Logic Controllers and Robotics with Astronomy Applications	3	0	0	ACADEMIC
ASTRO 16	Introduction of Cosmology 1	3	0	0	ACADEMIC
ASTRO 17	Celestial Mechanics	3	0	0	ACADEMIC
ASTRO 18	Astronomy Research 2 Thesis	3	0	0	ACADEMIC
COM 46	Advanced Communication	3	0	0	ACADEMIC
POLITICAL SCIENCE 2	Philippine Government and Constitution	3	0	0	ACADEMIC
SOCIOLOGY 1	General Sociology	3	0	0	ACADEMIC

Fifth Year First Semester – 12 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
CE 48 A	Observatory Design	3	0	0	ACADEMIC
ASTRO 19	Astronomy and Entrepreneurship	3	0	0	ACADEMIC
ASTRO 20	Life in the Universe	3	0	0	ACADEMIC
COE 1	Cooperative Education in Industry	3	0	0	COE

Fifth Year Second Semester – 12 Units

SUBJECT CODE	SUBJECTS DESCRIPTION	UNIT LEC	UNIT LAB	UNIT TYPING	SUBJECT TYPE
ASTRO 21	Astronomy Education 3 Community, School and University Outreach	3	0	0	ACADEMIC
ASTRO 22	Astronomy and Philosophy	3	0	0	ACADEMIC
HIST 3	Rizal's Life & Works	3	0	0	ACADEMIC
COE 2	Cooperative Education in Industry 2	3	0	0	COE