



TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

RE 2018 CURRICULUM FOR BACHELOR OF SECONDARY EDUCATION (BSEd)
Major in SCIENCES

(177 units)

COURSE CODE		DESCRIPTIVE TITLE	Lecture Hours	Laboratory Hours	Credit Units	PREREQUISITE(S)
FIRST YEAR, FIRST SEMESTER (17 UNITS)						
GEC	001	Understanding the Self	3	0	3	
GEC	005	Purposive Communication	3	0	3	
ED	001	The Teaching Profession	3	0	3	
EDSP-S	002	Earth Science	3	0	3	
PE	001	Physical Education 1	2	0	2	
NSTP	001	National Service Training Program 1	3	0	3	
FIRST YEAR, SECOND SEMESTER (19 UNITS)						
GEC	004	Mathematics in the Modern World	3	0	3	
ED	003	The Child and Adolescent Learners and Learning Principles	3	0	3	
ED	004	Foundation of Special and Inclusive Education	3	0	3	
EDSP-S	001	Inorganic Chemistry	3	6	5	
PE	002	Physical Education 2	2	0	2	PE 001 Physical Education 1
NSTP	002	National Service Training Program 2	3	0	3	NSTP 001 National Service Training Program 1
SECOND YEAR, FIRST SEMESTER (26 UNITS)						
GEC	003	The Contemporary World	3	0	3	
GEC	007	Science, Technology and Society	3	0	3	
GEE	002	Living in the IT Era	3	0	3	
LIT	001E	Philippine Literature in English	3	0	3	
ED	002	Principles and Methods of Teaching	3	0	3	
ED	005	Facilitating Learner-Centered Teaching	3	0	3	
EDSP-S	005	Fluid Mechanics	3	0	3	
EDSP-S	015	Environmental Science	3	0	3	
PE	003	Physical Education 3	2	0	2	PE 002 Physical Education 2
SECOND YEAR, SECOND SEMESTER (25 UNITS)						
GEC	006	Art Appreciation	3	0	3	
ED	006	Assessment in Learning 1	3	0	3	
ED	008	Technology for Teaching and Learning 1	3	0	3	
EDSP-S	003	Organic Chemistry	3	6	5	EDSP-S 001 Inorganic Chemistry
EDSP-S	004	Analytical Chemistry	3	6	5	EDSP-S 001 Inorganic Chemistry
EDSP-S	008	Electricity and Magnetism	3	3	4	EDSP-S 005 Fluid Mechanics
PE	004	Physical Education 4	2	0	2	PE 003 Physical Education 3

COURSE CODE		DESCRIPTIVE TITLE	Lecture Hours	Laboratory Hours	Credit Units	PREREQUISITE(S)
THIRD YEAR, FIRST SEMESTER (29 UNITS)						
LIT	001	World Literature	3	0	3	LIT 001E Philippine Literature in English
GEE	003	The Entrepreneurial Mindset	3	0	3	
EDSP-S	006	Genetics	3	3	4	
EDSP-S	007	Biochemistry	3	0	3	EDSP-S 003 Organic Chemistry
EDSP-S	009	Technology for Teaching and Learning 2	3	0	3	ED 008 Technology for Teaching and Learning 1
EDSP-S	010	Astronomy	3	0	3	
EDSP-S	011	Meteorology	3	0	3	
EDSP-S	012	The Teaching of Science/Teaching in Specialized Field	3	0	3	
EDSP-S	014	Thermodynamics	3	3	4	EDSP-S 005 Fluid Mechanics
THIRD YEAR, SECOND SEMESTER (27 UNITS)						
ED	007	Assessment in Learning 2	3	0	3	ED 006 Assessment in Learning 1
ED	009	The Teacher and the Community, School Culture and Organizational Leadership	3	0	3	
ED	010	The Teacher and the School Curriculum	3	0	3	
ED	011	Building and Enhancing New Literacies Across the Curriculum	3	0	3	
EDSP-S	013	Waves and Optics	3	3	4	EDSP-S 005 Fluid Mechanics EDSP-S 008 Electricity and Magnetism
EDSP-S	016	Cell and Molecular Biology	3	3	4	EDSP-S 006 Genetics EDSP-S 007 Biochemistry
EDSP-S	017	Microbiology and Parasitology	3	3	4	
EDSP-S	020	Research in Teaching	3	0	3	
NO STUDENT SHALL BE ALLOWED TO TAKE FOURTH YEAR PROFESSIONAL COURSES UNLESS HE HAS COMPLETED THE BASIC AND THE THIRD YEAR COURSES INCLUDING PE AND NSTP.						
FOURTH YEAR, FIRST SEMESTER (28 UNITS)						
GEC	002	Readings in Philippine History	3	0	3	
GEC	008	Ethics	3	0	3	
GEE	001	People and the Earth's Ecosystem	3	0	3	
SOCSC	005	The Life and Works of Rizal	3	0	3	
ED	012	Field Study 1	3	0	3	
ED	013	Field Study 2	3	0	3	
ED	014	Special Topics	3	0	3	
EDSP-S	018	Anatomy and Physiology	3	3	4	
EDSP-S	019	Modern Physics	3	0	3	EDSP-S 005 Fluid Mechanics EDSP-S 008 Electricity and Magnetism
FOURTH YEAR, SECOND SEMESTER (6 UNITS)						
ED	015	Teaching Internship	6	0	6	