



TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

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

(167 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-M	002	History of Mathematics	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 (20 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-M	001	College and Advanced Algebra	3	0	3	
EDSP-M	003	Logic and Set Theory	3	0	3	EDSP-M 002 History of Mathematics
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)						
LIT	001E	Philippine Literature in English	3	0	3	
GEC	003	The Contemporary World	3	0	3	
GEC	006	Art Appreciation	3	0	3	
GEC	007	Science, Technology and Society	3	0	3	
GEE	002	Living in the IT Era	3	0	3	
ED	002	Principles and Methods of Teaching	3	0	3	
ED	005	Facilitating Learner-Centered Teaching	3	0	3	
EDSP-M	004	Plane and Solid Geometry	3	0	3	EDSP-M 001 College and Advanced Algebra
PE	003	Physical Education 3	2	0	2	PE 002 Physical Education 2
SECOND YEAR, SECOND SEMESTER (24 UNITS)						
ED	006	Assessment in Learning 1	3	0	3	
ED	008	Technology for Teaching and Learning 1	3	0	3	
EDSP-M	005	Trigonometry	3	0	3	EDSP-M 001 College and Advanced Algebra
EDSP-M	006	Modern Geometry	3	0	3	EDSP-M 003 Logic and Set Theory EDSP-M 004 Plane and Solid Geometry
EDSP-M	007	Mathematics of Investment	3	0	3	EDSP-M 001 College and Advanced Algebra
EDSP-M	008	Elementary Statistics and Probability	3	0	3	
EDSP-M	009	Calculus 1 with Analytic Geometry	4	0	4	EDSP-M 003 Logic and Set Theory EDSP-M 004 Plane and Solid Geometry
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 (22 UNITS)						
LIT	001	World Literature	3	0	3	LIT 001E Philippine Literature in English
EDSP-M	010	Number Theory	3	0	3	EDSP-M 003 Logic and Set Theory EDSP-M 001 College and Advanced Algebra
EDSP-M	012	Calculus 2	4	0	4	EDSP-M 009 Calculus 1 with Analytic Geometry
EDSP-M	013	Technology for Teaching and Learning 2 (Instrumentation and Technology in Mathematics)	3	0	3	ED 008 Technology for Teaching and Learning 1
EDSP-M	014	Advanced Statistics	3	0	3	EDSP-M 008 Elementary Statistics and Probability
EDSP-M	015	Abstract Algebra	3	0	3	EDSP-M 003 Logic and Set Theory
EDSP-M	016	Principles and Strategies in Teaching Mathematics	3	0	3	EDSP-M 001/EDSP-M 002/EDSP-M 003/EDSP-M 004/EDSP-M 005/EDSP-M 006/EDSP-M 007/EDSP-M 008
THIRD YEAR, SECOND SEMESTER (27 UNITS)						
GEE	003	The Entrepreneurial Mindset	3	0	3	
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-M	011	Linear Algebra	3	0	3	
EDSP-M	017	Calculus 3	3	0	3	EDSP-M 012 Calculus 2
EDSP-M	018	Problem Solving, Mathematical Investigations and Modeling	3	0	3	EDSP-M 001 College and Advanced Algebra EDSP-M 004 Plane and Solid Geometry EDSP-M 003 Logic and Set Theory
EDSP-M	020	Assessment and Evaluation in Mathematics	3	0	3	EDSP-M 014 Advanced Statistics
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 (25 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-M	019	Research in Mathematics	4	0	4	EDSP-M 014 Advanced Statistics
FOURTH YEAR, SECOND SEMESTER (6 UNITS)						
ED	015	Teaching Internship	6	0	6	
