

BACHELOR OF SECONDARY EDUCATION					
MAJOR IN SCIENCE					
EFFECTIVE ACADEMIC YEAR 2018-2019					
(Updated Program of Study as of Academic Year 2020-2021)					
COURSE CODE	COURSE TITLE	HOURS		UNITS	PRE-REQUISITE
		LEC	LAB		
FIRST YEAR					
FIRST SEMESTER		18	9	26	
ANAPHY131	Anatomy and Physiology, lec	3	0	3	
ANAPHY101A	Anatomy and Physiology, lab	0	3	1	
CHEM113	Inorganic Chemistry, lec	3	0	3	
CHEM103	Inorganic Chemistry, lab	0	6	2	
EDUC131	The Child and Adolescent Learners and Learning Principles	3	0	3	
EDUC133	The Teaching Profession	3	0	3	
STS031	Science, Technology and Society	3	0	3	
ENGL031	Purposive Communication	3	0	3	
PE103	Movement Enhancement			2	
NSTP111	National Service Training Program 1			3	
SECOND SEMESTER		18	9	26	
BIO136	Microbiology and Parasitology, lec	3	0	3	
BIO186	Microbiology and Parasitology, lab	0	3	1	
CHEM231A	Organic Chemistry, lec	3	0	3	CHEM113
CHEM281A	Organic Chemistry, lab	0	6	2	CHEM103
EDUC132	Facilitating Learner-Centered Teaching	3	0	3	
EDUC134	Foundation of Special and Inclusive Education	3	0	3	
SOCSCI031	Readings in Philippine History	3	0	3	
PSYCH 031	Understanding the Self	3	0	3	
PE104	Fitness Exercises			2	PE103
NSTP112	National Service Training Program 2			3	NSTP111
SECOND YEAR					
FIRST SEMESTER		21	6	25	
SCIENCE233	Thermodynamics, lec	3	0	3	
SCIENCE203	Thermodynamics, lab	0	3	1	
CHEM233	Biochemistry	3	0	3	CHEM231A
EDUC231	Assessment of Learning 1	3	0	3	
EDUC233	Technology for Teaching and Learning 1	3	0	3	
MATH031	Mathematics in the Modern World	3	0	3	
GE-SED1	General Education Elective 1	3	0	3	
SOCSCI032	The Contemporary World	3	0	3	
CSIT101	Modern Tools 1	0	3	1	
PE205	Physical Activities Towards Health and Fitness I			2	PE103
SECOND SEMESTER		21	12	27	
SCIENCE232	Fluid Mechanics	3	0	3	Mechanics: Physics 1
BIO232	Genetics, lec	3	0	3	
BIO282A	Genetics, lab	0	3	1	
CHEM132A	Analytical Chemistry, lec	3	0	3	CHEM113
CHEM182A	Analytical Chemistry, lab	0	6	2	CHEM103
EDUC232	Assessment of Learning 2	3	0	3	

EDUC234	The Teacher and the School Curriculum	3	0	3	
HUM031	Art Appreciation	3	0	3	
GE-SED2	General Education Elective 2	3	0	3	
CSIT102	Modern Tools 2	0	3	1	CSIT101
PE206	Physical Activities Towards Health and Fitness II			2	PE103
THIRD YEAR					
FIRST SEMESTER		24	9	27	
BIO331	Cell and Molecular Biology, lec	3	0	3	BIO232, CHEM233
BIO381A	Cell and Molecular Biology, lab	0	3	1	BIO282A, CHEM233
SCIENCE331	The Teaching of Science/ Teaching the Specialized Field	3	0	3	
SCIENCE333	Earth Science	3	0	3	
SCIENCE335	Electricity and Magnetism, lec	3	0	3	Mechanics: Physics 1
SCIENCE385	Electricity and Magnetism, lab	0	3	1	Mechanics: Physics 1
EDUC031	The Teaching Paradigm	3	0	3	
EDUC331	The Teacher and the Community, School Culture and Organizational Leadership	3	0	3	
EDUC333	Building and Enhancing Literacy Skills Across the Curriculum	3	0	3	
PHILO031	Ethics	3	0	3	
CSIT301	Introduction to Robotics in Education	0	3	1	
SECOND SEMESTER		21	3	22	
SCIENCE336	Waves and Optics, lec	3	0	3	SCIENCE335/385
SCIENCE386	Waves and Optics, lab	0	3	1	SCIENCE335/385
SCIENCE338	Technology for Teaching and Learning 2	3	0	3	EDUC231, 232, 233
SCIENCE352	Meteorology	3	0	3	
ES036	Environmental Science	3	0	3	
RES.ED332A	Research in Education	3	0	3	
GE-SED3	General Education Elective 3	3	0	3	
ENGL033	Conversational English with Public Speaking	3	0	3	
SUMMER TERM		9	0	9	
SCIENCE350	Astronomy	3	0	3	
SCIENCE370	Modern Physics	3	0	3	SCIENCE335/385
RIZAL031	The Life and Works of Rizal	3	0	3	
FOURTH YEAR					
FIRST SEMESTER		9	0	9	
SCIENCE433	Science Comprehensive Evaluation Course	3	0	3	All Major Courses
EDUC417	Field Study	6	0	6	All ProfEd & Major Courses
SECOND SEMESTER		10	0	10	
EDUC418	Practice Teaching	10	0	10	EDUC417
GRAND TOTAL		151	48	181	
GENERAL EDUCATION ELECTIVES					
FIL031	Kontekstwalisadong Komunikasyon sa Filipino (KOMFIL)	3	0	3	
LIT031	Sosyedad at Literatura/Panitikang Panlipunan (SOSLIT)	3	0	3	
ES036B	Environmental Science	3	0	3	