



University of Southeastern Philippines
College of Education

BACHELOR OF SECONDARY EDUCATION MAJOR IN SCIENCE
CMO No. 75, series of 2017
Approved per BOR Resolution No. 58, series of 2018
Revised per BOR Resolution No. 51A, series of 2020
Effective S.Y. 2018-2019

1st Semester						2nd Semester					
Course No.	Course Title	Credit			Pre/Co-Requirement	Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit				Lec	Lab	Total Units Credit	
GE 113	Understanding the Self	3	0	3	None	GE 111	Purposive Communication	3	0	3	None
GE 114	Ethics	3	0	3	None	GE 112	Mathematics in the Modern World	3	0	3	None
Educ 111	The Child Adolescent Learners and Learning Principles	3	0	3	None	Educ 123	Technology for Teaching and Learning 1	3	0	3	Educ 111 Educ 112
Educ 112	Foundation of Special and Inclusive Education	3	0	3	None	Educ 124	The Teacher and the Community, School Culture and Organizational Leadership	3	0	3	Educ 111 Educ 112
MChem 111	Inorganic Chemistry	3	2	5	None	MChem 112	Analytical Chemistry	3	2	5	MChem 111
PE 111	Movement Enhancement	2	0	2	None	MPhys 121	Fluid Mechanics	3	0	3	None
NSTP 111	National Service Training Program 1	3	0	3	None	PE 112	Fitness Exercises	2	0	2	PE 111
						NSTP 112	National Service Training Program 2	3	0	3	NSTP 111
Total						Total					
22						25					

1st Semester					
Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
GE 217	Science, Technology and Society	3	0	3	None
GE 218	Arts Appreciation	3	0	3	None
MChem 213	Organic Chemistry	3	2	5	MChem 112
Educ 215	The Teaching Profession	3	0	3	Educ 124
Educ 216A	Assessment in Learning 1	3	0	3	None
MPhys 212	Thermodynamics	3	1	4	MPhys 121
PE 213	Physical Activities Towards Health and Fitness 1	2	0	2	PE 111 PE 112
Total					
23					

2nd Semester					
Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
GE 215	The Life and Works of Rizal	3	0	3	None
GE 216	Readings in Philippine History	3	0	3	None
MChem 224	Biochemistry	3	0	3	MChem 213
MPhys 223	Electricity and Magnetism	3	1	4	MPhys 212
Educ 227	Facilitating Learner-Centered Teaching	3	0	3	Educ 111
Educ 216B	Assessment in Learning 2	3	0	3	Educ 216A
MBio 221	Genetics	3	1	4	None
PE 224	Physical Activities Towards Health and Fitness II	2	0	2	PE 213
Total					
25					

SUMMER					
Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
MSci 231	Earth Science	3	0	3	None
MSci 232	Environmental Science	3	0	3	GE 217
Total					
6					

1st Semester					
Course No.2	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
EGE 311	General Education Elective 1	3	0	3	None
EGE 312	General Education Elective 2	3	0	3	None
MBio 312	Cell and Molecular Biology	3	1	4	MBio 221
MPhys 314	Waves and Optics	3	1	4	MPhys 223
MSci 313	Research in Science Teaching I (Thesis 1)	3	0	3	All prior Professional & Major Subjects
Educ 318	The Teacher and the School Curriculum	3	0	3	Educ 124
Educ 319	Building and Enhancing Literacy Skills Across the Curriculum	3	0	3	None
Total					
23					

2nd Semester					
Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
EGE 313	General Education Elective 3	3	0	3	None
EGE 319	Contemporary World	3	0	3	None
MPhys 325	Modern Physics	3	0	3	MPhys 314
MBio 323	Microbiology and Parasitology	3	1	4	None
MSci 324	Technology for Teaching and Learning 2	3	0	3	All Prior Professional Education Subjects
MC 321	The Teaching of Science	3	0	3	Educ 227 and Prior Science Subjects
MBio 324	Anatomy and Physiology	3	1	4	None
EdRes 400	Thesis	0	2	2	MSci 313
Sci. Elec. 321	Current Trends and Innovations in Science Teaching	1	0	1	None
Total					
25					

SUMMER					
Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
MSci 335	Astronomy	3	0	3	None
MSci 336	Meteorology	3	0	3	None
Total					
6					

THIRD YEAR					
Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
FS 411	Field Study 1- Observation of Teaching-Learning in Actual School Environment	0	5	5	All prior subjects
FS 412	Field Study 2- Participation and Teaching Assistantship	0	5	5	All prior subjects
EdRes 400	Thesis	0	2	2	MSci 313
Total					
12					

FOURTH YEAR					
Course No.	Course Title	Credit			Pre/Co-Requirement
		Lec	Lab	Total Units Credit	
Educ 421	Teaching Internship	0	6	6	FS 411 FS 412
EdRes400*	Thesis	0	2	2	MSci 313
Total					
8					

Course Electives

Sci. Elec. 321 **Current Trends and Innovations in Science Teaching**

General Education Electives:

- Living in the IT Era
- Gender and Society
- Environmental Science
- Foreign Languages
- Philippine Indigenous Communities
- People and the Earths Ecosystem
- Reading Visual Arts

Summary

General Education	36 units
Professional Education Courses	46 units
Major Courses	73 units
Elective Course	1 unit
PE	8 units
NSTP	6 units
Institutional Courses	6 units
Total number of units	176 units