

Bachelor of Science in Secondary Science Education (6-12)

Total Hrs: 120

FRESHMAN YEAR

DEPT	COURSE NAME	CREDIT HRS	DEPT	COURSE NAME	CREDIT HRS
Institutional Course	Student Success [Area B]	1	ENG 102	Rhetoric and Literature [Area A1]	3
ENG 101	Writing and Rhetoric [Area A1]	3	Content OPTION*	CHM 112, BIO 102, PHY/S 101 (4)	3
EDU 221	Exploring Teaching and Learning	3	Content OPTION*	CHM 112 L, BIO 101 L,	1
Content OPTION*	CHM 111, BIO 101, PHY/S 101, [Area D]	3	MTH 102/111	Quantitative Skills [Area A2]	3
Content OPTION*	CHM 111 L, BIO 101 L, PHY/S 101 L	1	PSY 201	Introduction to Psychology [Area E]	3
OPTION	CHR 100/CHR110 [Area B]	3	EDU 211	Introduction to Learning Differences and Classroom Management	3
	TOTAL	14		TOTAL	16

SOPHOMORE YEAR

DEPT	COURSE NAME	CREDIT HRS	DEPT	COURSE NAME	CREDIT HRS
EDU 323	Technology, Assessment, and Data Analysis	3	EDU 111	Program Requirement I: Ethics and Pre-certification	1
EDU 338	Principles of Positive Classroom Management	3	EDU 337	Teaching Exceptional Children (WI)	3
OPTION	Humanities/Fine Arts/Culture [Area C]	3	OPTION	CHR 101/CHR 102 [Area B]	3
OPTION	PSY 303, 306, 357	3	OPTION	Humanities/Fine Arts/Culture [Area C]	3
OPTION	General Elective	3	OPTION	Introduction to Psychology [Area E]	3
			OPTION	General Elective	3
	TOTAL	15		TOTAL	16

JUNIOR YEAR

DEPT	COURSE NAME	CREDIT HRS	DEPT	COURSE NAME	CREDIT HRS
OPTION	Content Elective	4	OPTION	Content Elective	4
OPTION	Content Elective	4	EDU 339	Principles of Reading Instruction	3
EDU 303	Field Practicum I	3	EDU 315	Secondary Curriculum & Methods (6-8)	4
EDU 314	Curriculum and Instruction for Learners	3	EDU 413	Education Procedures and Law (WI)	3
	TOTAL	14		TOTAL	14

SENIOR YEAR

DEPT	COURSE NAME	CREDIT HRS	DEPT	COURSE NAME	CREDIT HRS
EDU 329	Secondary Curriculum and Methods (9-12)	4	EDU 115	Program Requirement II: Certification and Career Success	1
OPTION	Content Elective	4	EDU 474	Senior Seminar	3
OPTION	General Elective	4	EDU 478	Clinical Practice: Planning and Procedures	3
OPTION	General Elective	3	EDU 479	Clinical Practice: Management and Discipline	3
OPTION	General Elective	3	EDU 480	Clinical Practice: Professionalism and Ethics	3
	TOTAL	18		TOTAL	13

Content Options should be aligned to chosen concentrations.

Dual-field Option: 21 hours in two of the content areas (Chemistry, Biology, Earth/Space Science)

Chemistry Concentration Content

PHY/S 101 Physical Science & Lab (4)
 CHM 111 General Chem, I (3)
 CHM 111 L General Chem, I Lab (1)
 CHM 112 General Chem, II (3)
 CHM 112 L General Chem, II Lab (1)
 CHM 331 Nuclear Chemistry & Light-Matter Interaction (3)
 CHM 335 Organic Chem 1 and Lab (4)
 CHM 338 Biochem (3)

Biology Concentration Content

BIO 101 General Biology, I (3)
 BIO 101 L General Biology, I Lab (1)
 BIO 102 General Biology, II (3)
 BIO 102 L General Biology, II Lab (1)
 BIO 202 Anatomy and Physiology, I (3)
 BIO 203 Anatomy and Physiology, II (1)
 BIO 370 Microbiology (4)
 BIO 410 Genetics (4)

Earth/Science Concentration Content

PHY/S 101 Physical Science and Lab (4)
 PHY/S 102 Earth Science (3)
 PHY/S 111 Astronomy (4)
 PHY/S 300 Topics in Physical Science (4)
 GEOL 101 Physical Geology (4)
 GEOL 201 Oceanography (4)

This degree follows the professional core at BPCU.