

Bachelor of Education in Chemistry and Biology (BECB)

First Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
CSCI200	Introduction to Computers	3	ENGL051	
ARAB200	Arabic Language and Literature	3		
ENGL201	Composition and Research Skills	3	ENGL151	
BIOL200	General Biology I	3	ENGL051 - ENGL101 - BIOL160	BIOL200L
BIOL200L	General Biology I Lab	1	ENGL051 - ENGL101	BIOL200
CHEM200L	General Chemistry Lab	1	ENGL101 - CHEM160	CHEM200
CHEM200	General Chemistry	3	ENGL101 - CHEM160	CHEM200L
Total		17		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CHEM255L	Basic Organic Chemistry Lab	1	ENGL051 - ENGL101 - CHEM200	CHEM255
EDIT250	Educational Technology for Teachers	3	CSCI200	
CHEM255	Basic Organic Chemistry	3	ENGL051 - ENGL101 - CHEM200	CHEM255L
CULT200	Introduction to Arab - Islamic Civilization	3		
EDUC221	Introduction to Educational Psychology	3		ENGL201
BIOL250	General Biology II	3	BIOL200	BIOL250L
BIOL250L	General Biology II Lab	1	BIOL200	BIOL250
Total		17		

Second Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
EDUC328	Introduction to Math and General Sciences Curriculum	3	ENGL251	
ENGL251	Communication Skills	3	ENGL201	
CHEM260	Analytical Chemistry	3	CHEM200	CHEM260L
CHEM260L	Analytical Chemistry Lab	1	CHEM200	CHEM260
BIOL275L	Cell and Molecular Biology Lab	1	BIOL200	BIOL275
BIOL275	Cell and Molecular Biology	3	BIOL200	BIOL275L
EDUC281	Learning & Developmental Theories	3	EDUC221	
Total		17		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
EDUC423	Teaching Mathematics and General Sciences for Elementary Teachers	3	EDUC281	
BIOL360	Human Physiology & Anatomy	4	BIOL200	
BIOL365	Genetics	3	BIOL275	
BIOL375L	Plant Physiology Lab	1	BIOL250	BIOL375
EDUC346	Introduction to Classroom Management	3	EDUC281	
BIOL375	Plant Physiology	3	BIOL250	BIOL375L
Total		17		

Third Year

Fall Semester

Code	Title	Credits	Prerequisites	Corequisites
EDUC380	Statistical Research in Education	3	ENGL201	
EDUC440	Teaching Practicum I	3	EDUC346	EDUC405
BIOC310	Medical Biochemistry	4	CHEM255 - BIOL200	
EDUC405	Methods of Teaching & Testing	3	EDUC281	
BIOL425	Immunology	3	BIOL275 - BIOL360	
Total		16		

Spring Semester

Code	Title	Credits	Prerequisites	Corequisites
CHEM310	Physical Chemistry I	3	CHEM200	
EDUC490	Teaching Practicum II	3	EDUC440	
	Elective	3		
	Elective	3		
EDUC411	Introduction to the Philosophy of Education	3	ENGL201	
Total		15		

Major Elective Courses

Code	Title	Credits	Prerequisites	Corequisites
EDUC230	Teaching Arts & Crafts	3		ENGL101
EDUC261	Music Methods for Home Class Teachers	3		ENGL151
EDUC305	Educational Theories in Guidance and Counseling	3	EDUC221	
EDUC375	Introduction to Special Education	3	EDUC221	
EDUC390	Introducing the Montessori Approach to Early Years Practices	3		EDUC281
EDUC423	Teaching Mathematics and General Sciences for Elementary Teachers	3	EDUC281	
EDUC460	Role of Play in Child Development	3	EDUC281	
LANG230	Sign Language	3		