



# ACADEMIC PROGRAM CURRICULUM STRUCTURE FORM

**Degree:** Bachelor of Education in Secondary Education

With Concentrations in **Biology**

**2017**

## 1. Overall Curriculum Structure

**Table 1.1** *Overall Curriculum Structure*

Curriculum Component	Total Number of	
	Courses	Credit Hours
Core Curriculum Requirements	11	33
Major Requirements	10	36
Concentration Requirements	15	45
Free Electives (if applicable)	2	6
Other Packages: _____		
Total:		120

## 2. Detailed Curriculum Structure

### 2.1. Core Curriculum Requirements, ( 33 CH)

For each package, students must take specific number of credit hours from the list of courses listed for that package as detailed in the following table.

**Table 2.1** Core Curriculum Requirements

	Package Title	Course Id.	Course Title	Nb. of Credit Hours per Course	Nb. of Contact Hours		Pre-Requisites	Nb. of Credit Hours per package
					Theo.	Lab.		
<b>Common Package</b> 15 Credit Hours	Arabic Language	<b>Language I sub-package (12 CH)</b>						6
		ARAB 100	Arabic Language I	3				
		ARAB 200	Arabic Language II	3				
	English Language	ENGL 202	ENGLISH Language I Post Foundation	3			6	
		ENGL 203	ENGLISH Language II Post Foundation	3				
Islamic Culture	DAWA 111	Islamic Culture	3			3		
<b>3 credits</b>	Humanities – Fine Art		Students must complete 3 Credit Hours from courses listed in the Qatar and Gulf History Sub-package, which is part of the Humanities/Fine Arts package.	3				3
<b>3 credits</b>	Social – Behavioral Science		Courses in CCP defined Social/Behavioral Sciences package	3				3
<b>3 credits</b>	Natural Sciences – Mathematics		Students selecting the Concentration area in <b>Biology</b> must complete one course from the list of courses defined in the CCP Natural Science/Mathematics package.	3				3
<b>3 credits</b>	General Knowledge		Students selecting the <b>Biology</b> concentration area must complete this package requirements by completing 3 CH in courses listed in the CCP defined General Knowledge package.	3				3
<b>3 credits</b>	General Skills		Students selecting a concentration area in <b>Biology</b> must complete this package requirements by completing 3 CH in courses listed in the CCP defined General Skills package.	3				3
<b>Supplemental College/Program</b> <b>3 credits</b>	UNIV 100 Supplemental College		First Year Seminar	3			0	3

Total									33
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## 2.2. Major Requirements (36 CH)

Students must complete 30 CH from the courses listed below in addition to completing **6** CH from courses listed in the Methods sub-package related to the concentration area selected by the student.

### 2.2.1. Major Core Requirements Package ( 36 CH)

Course No.	Course Name	No. of hours			Pre -requisite(s): No/Name	Offered Semester
		CH	Theory	Exp.		
EDUC 310	Foundation of Education in Qatar and School Reform	3	3	0		F
EDUC 312	Curriculum & Assessment	3	3	0		S
EDUC 316	Classroom Management	3	3	0	EDUC 312	S
EDUC 317	Inclusive Classrooms	3	3	0		S
EDUC 320×	Human Development	3	3	0		S/F خريف / ربيع
EDSE 331	Reading and Writing Across the Curriculum	3	3	0	EDUC 312	S
EDUC 319	Classroom Assessment	3	3	0	EDUC 310, 312 & 320, Students must have completed a minimum of 60 CH	F
EDSE 491	Student Teaching in Secondary Education	9	9	All Coursework	EDSE 347 and EDSE 467	S
<b>Methods for Biology sub-package</b>						
EDSE 347	Methods I: Instructional Strategies for Biology	3	3	Field work	EDSE 331	S
EDSE 467	Methods II: Inquiry and ICT for Biology	3	3	Micro teaching	EDSE 347	F

× Students in the Primary Education Program ONLY must register EDUC 315 ×  
Students in the Secondary Education Program ONLY must register EDUC 320

### 2.3. Concentration Requirements for Biology Students (45 CH)

Students must complete a minimum of 45 credit hours by completing the following courses in concentration requirements:

**Table 2.3.1 Biology Subject Courses (45 CH)**

**Table 2.3.1 Courses in Concentration Requirements**

Course Id.	Course Title	Nb. of Credit Hours	Nb. of Contact Hours		Course Prerequisites	Course Co-Requisites	Offering Semester(s)
			Theo.	Lab.			
BIOL 101	Biology I	3	2	3	-		F&S
GEOL 101	Principle of Geology	3	2	2	-		F&S
MARS 101	Introduction to Marine Science	3	2	3	BIOL 101		F
PHYS 110	General Physics for Biology	3	3	1	-		-
PHYS 111	Practical Physics For Biology	1	0	3	PHYS 110Concur.		F&S
CHEM 101	General Chemistry I	3	3	0	-		F&S
CHEM 103	Experimental General Chemistry I	1	0	3	CHEM 101		F&S
CHEM 209	Fundamentals in Organic Chemistry	3	3	0	CHEM 101 and CHEM 103		F&S
CHEM 351	Basic Biochemistry	3	3	0	CHEM 211 or CHEM 209		F&S
CHEM 352	Experimental Biochemistry	1	0	3	CHEM 351		F&S
BIOL 102	Biology II	3	2	3	BIOL 101		S
BIOL 110	Human Biology	3	3	0	-		F&S
BIOL 212	Genetics	3	2	3	BIOL 101		S
BIOL 221	Basic Ecology	3	2	3	BIOL 102		F
BIOL 241	Microbiology	3	2	3	BIOL 101		F&S
BIOL 311	Molecular Biology	3	2	3	BIOL 241		S
BIOL 321	Principles of Environmental Biology	3	2	3	BIOL 221		S

### 2.4 Major Electives ( 6 CH)

Students must take 6 credit hours from the list of courses listed in the following table.

**Table 2.4 Courses in Free Electives**

Course Id.	Course Title	Nb. of Credit Hours	Nb. of Contact Hours		Course Prerequisites	Course Co-Requisites	Offering Semester(s)
			Theo.	Lab.			
EDUC 100	Photography	3	3				-
EDUC 200	Education and Societal Problems	3	3				F&S
EDUC 201	Research Methodology	3	3				F&S
EDUC 203	Family Relationships	3	3				F&S
EPSY 201	Introduction to Psychology	3	3				F&S
EPSY 205	Social Psychology	3	3				F&S

**UNDERGRADUATE CATALOG**  
**Approved 2012-2013 Degree Requirements**  
**Suggested Study Plan**  
**Bachelor of Education in Secondary Education**  
**Biology Concentration**

FIRST YEAR [33] credit hours)				SECOND YEAR [33] credit hours)			
Fall Semester				Fall Semester			
Course #	Course Title	Cr Hrs.	Pre-requisite	Course #	Course Title	Cr Hrs.	Pre-requisite
	<b>Core Requirement</b>	<b>3</b>			<b>Core Requirement</b>	<b>3</b>	
	<b>Core Requirement</b>	<b>3</b>			<b>Core Requirement</b>	<b>3</b>	
	<b>Core requirement</b>	<b>3</b>			<b>Core Requirement</b>	<b>3</b>	
<b>EDUC 310</b>	<b>Foundation of Education &amp; School Reform</b>	<b>3</b>		<b>CHEM 103</b>	<b>Experimental General Chemistry</b>	<b>1</b>	
<b>BIOL 101</b>	<b>Biology 1</b>	<b>3</b>		<b>PHYS 110</b>	<b>General Physics for Biology</b>	<b>3</b>	
				<b>PHYS 111</b>	<b>Practical Physics For Biology</b>	<b>1</b>	
				<b>BIOL 221</b>	<b>Basic Ecology</b>	<b>3</b>	
Total Credit Hours in Semester [15]				Total Credit Hours in Semester [17]			
Spring Semester				Spring Semester			
Course #	Course Title	Cr Hrs.	Pre-requisite	Course #	Course Title	Cr Hrs.	Pre-requisite
	<b>Core Requirement</b>	<b>3</b>			<b>Core Requirement</b>	<b>3</b>	
	<b>Core Requirement</b>	<b>3</b>			<b>Core Requirement</b>	<b>3</b>	
<b>EDUC 312</b>	<b>Curriculum &amp; Assessment</b>	<b>3</b>		<b>EDSE 331</b>	<b>Reading and Writing Across the Curriculum</b>	<b>3</b>	<b>EDUC 312</b>
<b>EDUC 320</b>	<b>Human development</b>	<b>3</b>		<b>EDUC 317</b>	<b>Inclusive Classroom</b>	<b>3</b>	
<b>BIOL 102</b>	<b>Biology II</b>	<b>3</b>		<b>BIOL 321</b>	<b>principles of Environmental Biology</b>	<b>3</b>	

<b>CHEM 101</b>	<b>General Chemistry 1</b>	<b>3</b>					
Total Credit Hours in Semester [13]				Total Credit Hours in Semester [15]			

<b>THIRD YEAR [33] credit hours)</b>				<b>FOURTH YEAR [33] credit hours)</b>			
<b>Fall Semester</b>				<b>Fall Semester</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Cr Hrs.</b>	<b>Pre-requisite</b>	<b>Course #</b>	<b>Course Title</b>	<b>Cr Hrs.</b>	<b>Pre-requisite</b>
	<b>Core Requirement</b>	<b>3</b>		<b>EDSE 467</b>	<b>Methods II: Inquiry and ICT for Biology</b>	<b>3</b>	<b>EDSE 347</b>
<b>MARS 101</b>	<b>Introduction to Marine Science</b>	<b>3</b>			<b>ELECTVE (Education)</b>	<b>3</b>	
<b>EDUC 319</b>	<b>Classroom Assessment</b>	<b>3</b>	<b>EDUC 310, 312 &amp;320</b>	<b>CHEM 352</b>	<b>Experimental Biochemistry</b>	<b>1</b>	
<b>EDUC 201</b>	<b>Elective (Research methods)</b>	<b>3</b>		<b>BIOL 110</b>	<b>Human Biology</b>	<b>3</b>	
<b>CHEM 209</b>	<b>Fundamentals in Organic Chemistry</b>	<b>3</b>		<b>GEOL 101</b>	<b>Principles of Geology</b>	<b>3</b>	
<b>BIOL 241</b>	<b>Microbiology</b>	<b>3</b>					
Total Credit Hours in Semester [18]				Total Credit Hours in Semester [13]			
<b>Spring Semester</b>				<b>Spring Semester</b>			
<b>Course #</b>	<b>Course Title</b>	<b>Cr Hrs.</b>	<b>Pre-requisite</b>	<b>Course #</b>	<b>Course Title</b>	<b>Cr Hrs.</b>	<b>Pre-requisite</b>
<b>EDSE 347</b>	<b>Methods I: Instructional Strategies in Biology</b>	<b>3</b>	<b>EDSE 331</b>	<b>EDSE 491</b>	<b>Student Teaching in Secondary Education</b>	<b>9</b>	<b>EDSE 347 and EDSE 467</b>
<b>BIOL 212</b>	<b>Genetics</b>	<b>3</b>					
<b>EDUC 316</b>	<b>Classroom management</b>	<b>3</b>	<b>EDUC 312</b>				
<b>CHEM 351</b>	<b>Basic Biochemistry</b>	<b>3</b>					

<b>BIOL 311</b>	<b>Molecular Biology</b>	<b>3</b>					
Total Credit Hours in Semester [15]				Total Credit Hours in Semester [9]			

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