

# Education – Science Grades 4 – 8

## Bachelor of Arts (BA.EDSC)

Core Requirements				Credits	Notes/Instructions
College Sem.		Quest for Meaning	CSEM 100	3	†A student may be required to take ENGL 105 and/or MATH 100 based on placement exams administered prior to their first semester at King's College. ENGL 105 and MATH 100 are 3-credit courses and will count as free electives. †† The Intercultural Competence requirement can be satisfied by taking a 100-level language class for 3 credits or participating in an approved Study Abroad experience. SBM = Satisfied By Major requirement(s) and credit(s) listed below.
Communication & Creative Expression	SBM	Writing	ENGL 110†	-	
		Oral Communication	COMM 101	3	
	SBM	Literature	ENGL 140-149	-	
		The Arts	ARTS 100-149	3	
Citizenship	SBM	History	HIST 100-149	-	
		Intercultural	FREN/GERM/SPAN 100-level or Study Abroad††	3	
	SBM	Global Connections	ECON 150-199; GEOG 150-199; HIST 150-199; PS 150-199; SOC 150-199	-	
Quantitative & Scientific Reasoning	SBM	Quantitative Reasoning	MATH 120+ or higher level	-	
	SBM	Scientific Endeavor	NSCI 100	-	
	SBM	Science in Context	NSCI 171-199	-	
		Human Beh. & Soc. Inst	ECON 111, 112; GEOG 101, 102; PS 101, PSYC 101, SOC 101	3	
Wisdom, Faith, & the Good Life		Introduction to Phil.	PHIL 101	3	
		Phil. Investigations	PHIL 170-199; MSB 287	3	
		Theology & Wisdom	THEO 150-159	3	
		Theology & the Good Life	THEO 160-169	3	
<b>Total Core Credits</b>				<b>27</b>	

Major Requirements		Credits	Major Requirements		Credits	Major Requirements		Credits
Education Courses			Science Courses			Math Courses		
EDUC 202	3	BIOL 113 <sup>2</sup>	3	MATH 101 <sup>2</sup>	3			
EDUC 231	1	BIOL 113L	1	MATH 102 <sup>2</sup>	3			
EDUC 232	1	BIOL 210	3	MATH 126 or 128	3-4			
EDUC 235 <sup>3</sup>	3	BIOL 210L	1	MATH 125 or 129	4			
EDUC 240 <sup>3</sup>	3	BIOL 213	3			<b>13-14</b>		
EDUC 270 <sup>3</sup>	3	BIOL 213L	1	<b>English Courses</b>				
<b>EDUC 299<sup>4</sup></b>	<b>0</b>	CHEM 113 <sup>2</sup>	3	ENGL 110 <sup>2</sup>	3			
EDUC 305 <sup>3,4</sup>	3	CHEM 113L	1	ENGL 141 – 149 <sup>2</sup>	3			
EDUC 350 <sup>3,4</sup>	3	CHEM 114	3	ENGL Elective**	3			
EDUC 410 <sup>3,4</sup> SS Methods	3	CHEM 114L	1	ENGL Elective**	3			
EDUC 411 <sup>3,4</sup> M Methods	3	PHYS 111 <sup>5</sup>	3			<b>12</b>		
EDUC 412 <sup>3,4</sup> Sci Methods	3	PHYS 111L <sup>5</sup>	1	<b>Social Studies Courses</b>				
EDUC 413 <sup>3,4</sup> LA Methods	3	PHYS 112 <sup>5</sup>	3	HIST 101 or 102 <sup>2</sup>	3			
EDUC 440 <sup>4</sup>	3	PHYS 112L <sup>5</sup>	1	HIST 111	3			
EDUC 417 <sup>3,4</sup> Stud Teach	10	Science Elective*	3	GEOG 182 <sup>2</sup>	3			
EDUC 418 <sup>3,4</sup> StudTeachSem	2			HIST 258	3			
						<b>12</b>		
				<b>Other Requirements</b>				
				HCE 101 Holy Cross Exp.	1			
<b>Total Education Credits</b>		<b>47</b>	<b>Total Science Credits</b>		<b>31</b>	<b>Total Math, English, Social Studies / Other Credits</b>		<b>38-39</b>

**Total Credits Required for Graduation = 143**

\*All students majoring in Education – Science Grades 4 – 8 must take (1) Science Elective from the group below:

Science Electives (suggested)	
ENST 200 Earth Science	ENST 201 Environmental Science I
Although ENST 200 and ENST 201 are suggested, other science courses may be acceptable with prior approval from the Chairs of the Education Department and the Science Department from which the course is chosen.	

\*\*All students majoring in Education – Science Grades 4 – 8 must take two (2) English (ENGL) Electives from the group below:

English Electives (suggested)	
ENGL 200 Foundations Seminar: The History of Literature in English	ENGL 225 Introduction to Creative Writing
ENGL 222 Introduction to Professional Writing	ENGL 241 Advanced Writing
Although ENGL 200, ENGL 222, ENGL 225, and ENGL 241 are suggested, other English courses may be acceptable with prior approval from the Chairs of the Education And English Departments.	

## Education – Science Grades 4 - 8

### Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

Fall 2019		Credits	Spring 2020		Credits
BIOL 113 <sup>2</sup> Evolution & Diversity		3	BIOL 210 Organisms & Their Ecosystems		3
BIOL 113L Evolution & Diversity Lab		1	BIOL 210L Organisms & Their Ecosystems Lab		1
CHEM 113 <sup>2</sup> General Chemistry I		3	CHEM 114 General Chemistry II		3
CHEM 113L General Chemistry I Lab		1	CHEM 114L General Chemistry II Lab		1
MATH 101 <sup>2</sup> ( <i>Math Category</i> )		3	MATH 102 <sup>2</sup> ( <i>Math Category</i> )		3
ENGL 110 <sup>2</sup> Effective Writing ( <i>English Category</i> )		3	Core Course <sup>1</sup>		3
HCE 101 Holy Cross Experience		1	Core Course <sup>1</sup>		3
		<b>15</b>			<b>17</b>
Summer 2020		Credits			
Fall 2020		Credits	Spring 2021		Credits
BIOL 213 Cell & Molecular Biology		3	Science Elective*		3
BIOL 213L Cell & Molecular Biology Lab		1	MATH (Calculus or Statistics) ( <i>Math Category</i> )		3-4
MATH (Calculus or Statistics) ( <i>Math Category</i> )		4	ENGL Elective ( <i>English Category</i> )		3
ENGL 140-149 <sup>2</sup> Literature ( <i>English Category</i> )		3	Core Course <sup>1</sup> ( <i>Social Studies Category</i> )		3
Core Course <sup>1</sup> ( <i>Social Studies Category</i> )		3	Core Course <sup>1</sup>		3
EDUC 202 Educ. Philos., Ethics, Issues & Trends		3	EDUC 231 Technology Module I		1
EDUC 235 <sup>3</sup> Sec. Development, Cognition, & Learn		3	EDUC 270 <sup>3</sup> Introduction to Special Education		3
		<b>20***</b>	EDUC 299 <sup>4</sup>		<b>0</b>
<b>Admission to Candidacy</b> (Complete and return "Application for Teacher Education Program Candidacy" to Education Administrative Assistant no sooner than the completion of 48 credits and no later than 65 credits)					<b>19***</b>
Summer 2021		Credits			
Fall 2021		Credits	Spring 2022		Credits
PHYS 111 <sup>5</sup> Physics for the Life Sciences I		3	PHYS 112 <sup>5</sup> Physics for the Life Sciences II		3
PHYS 111L <sup>5</sup> Physics for the Life Sciences I Lab		1	PHYS 112L <sup>5</sup> Physics for the Life Sciences II Lab		1
EDUC 305 <sup>3,4</sup> Assessment I		3	ENGL Elective ( <i>English Category</i> )		3
EDUC 232 Technology Module II		1	CORE ( <i>Social Studies Category</i> )		3
HIST 258 PA Survey ( <i>Social Studies Category</i> )		3	EDUC 410 SS Methods		3
Core Course <sup>1</sup>		3	EDUC 350 <sup>3,4</sup> Secondary Classroom Management		3
Core Course <sup>1</sup>		3	Core Course <sup>1</sup>		3
Core Course <sup>1</sup>		3			
		<b>20***</b>			<b>19***</b>
Summer 2022		Credits			
Fall 2022		Credits	Spring 2023		Credits
EDUC 240 <sup>3,4</sup>		3	EDUC 417 <sup>3,4</sup> Observation & Student Teach.		10
Core Course <sup>1</sup>		3	EDUC 418 <sup>3,4</sup> Student Teaching Seminar		2
Core Course <sup>1</sup>		3	EDUC 440 <sup>4</sup> Inclusive Education		3
EDUC 411 <sup>3,4</sup> M Methods		3			
EDUC 412 <sup>3,4</sup> Sci Methods		3			
EDUC 413 <sup>3,4</sup> LA Methods		3			
		<b>18***</b>			<b>15</b>
<b>Total Credits Required for Graduation = 143</b>					

#### NOTES:

\*\*\* Students are encouraged to take some Core courses during the summer months to help "lighten" their course load during a semester.

<sup>1</sup> Choose one course from each of the Core Requirements listed on the reverse side.

<sup>2</sup> Course may satisfy both a Major and a Core requirement. ENGL 110 satisfies the Writing Core requirement; ENGL 140-149 satisfies the Literature Core requirement; HIST 101 or 102 satisfy the History Core requirement; GEOG 182 satisfies the Global Connections Core requirement; MATH 101 AND MATH 102 satisfy the Quantitative Reasoning Core requirement; BIOL 113 and CHEM 113 satisfies the Scientific Endeavor and Science in Context Core requirements.

<sup>3</sup> Updated Child Abuse & Criminal Record & FBI Clearances **REQUIRED** for EDUC 235, EDUC 240, EDUC 270, EDUC 305, EDUC 350, EDUC 410 SS Methods, EDUC 411 M Methods, EDUC 412 Sci Methods, EDUC 413 LA Methods, EDUC 417 and EDUC 418.

<sup>4</sup> **EDUC 299** Basic Skills is a pre-requisite for all 300 and 400 level education courses. In order to register for this course, you must take and pass all basic skills tests. **A student will be required to change their major after their sophomore year if EDUC 299 is not passed.**

<sup>5</sup> Students may substitute the PHYS 113/113L and PHYS 114/114L sequence for the PHYS 111/111L & PHYS 112/112L requirement.

<sup>PR</sup> Course has a prerequisite – check college catalog.