

GENERAL SCIENCE / SECONDARY EDUCATION

BACHELOR OF SCIENCE (B.S.)

CORE Requirements	Credits	Major Requirements	Credits	Minor Concentration	Credits	Secondary Education	Credits
CORE 090 First Yr Exp.	1	Take 2 of the following with labs: <i>BIOL 113</i> <i>BIOL 113L</i> <i>BIOL 210</i> <i>BIOL 210L</i> <i>BIOL 213</i> <i>BIOL 213L</i>	8 credits	Track Course*	3 - 4	EDUC 202	3
CORE 100 Lib Arts Sem.	3			Track Course*	3 - 4	EDUC 231	1
CORE 110 Effect Writ.	3			Track Course*	3 - 4	EDUC 232	1
CORE 115/116 Oral Com.	3			Track Course*	3 - 4	EDUC 235 ²	3
CORE 131/133 Civilization	3			Track Course*	3 - 4	EDUC 240 ²	3
CORE 14x Forgn. Lng/Cult	3			Track Course*	3 - 4	EDUC 270 ²	3
CORE 15x ¹ Soc. Sci.	3			Track Course**	3 - 4	EDUC 299³	0
CORE 16x Literature	3			Track Course**	3 - 4	EDUC 302 ^{2,3}	3
CORE 17x The Arts	3			(Track Course**)	(3 - 4)	EDUC 305 ^{2,3}	3
CORE 18x ¹ Amer. Studies	3					EDUC 350 ^{2,3}	3
CORE 19x ¹ Global Studies	3					EDUC 366 ³	3
CORE 25x Syst. Theology	3					EDUC 440 ³	3
CORE 26x Mor. Theology	3					EDUC 467 ^{2,3}	7
CORE 280 Philos. I	3					EDUC 468 ^{2,3}	2
CORE 281-289 Philos. II	3						
		CHEM 113	1				
		CHEM 113L	3				
		CHEM 114	1				
		CHEM 114L	3				
		PHYS 111 or 113	1				
		PHYS 111L or 113L	3				
		PHYS 112 or 114	1				
		PHYS 112L or 114L					
		MATH 125 & 128					
		OR	8				
		MATH 129 & 130					
Total Credits for CORE	43	Total Minimum Credits for Major			60**	Total Credits for Secondary Education	38

Total Credits Required for Graduation = 141 – 152

***A student majoring in General Science must choose one of the following Tracks (minor concentrations) below:**

****Elective courses in Science and/or Math to accumulate a minimum of 60 credits in Science and Math.**

NOTE: Some courses required for certain minor programs will have prerequisites that must be fulfilled.

Biology	Chemistry	Mathematics	Neuroscience	Environmental Science	Physics	
BIOL 370	CHEM 241	MATH 126	CORE 154	ENST 201	PHYS 231	
BIOL 490	CHEM 242	MATH 129	NEUR 211	ENST 202	PHYS Elective*	
BIOL Elective*	CHEM 243	MATH 130	NEUR 212	One of the following:	PHYS Elective*	
BIOL Elective*	CHEM 493	MATH 237	NEUR 310		PHYS Elective*	
BIOL Elective*	CHEM 494	MATH Capstone	NEUR 480	ENST 490	MATH 129	
BIOL Elective*	CHEM Elective*	Plus one (1) of the following:	Plus two (2) of the following:	ENST 491	MATH 130	
				ENST 499	Plus three (3) of the following:	Plus one (1) of the following:
				NEUR 342		
		NEUR 346	ENST 355			
		MATH 231	NEUR 348	ENST 401 (A-L)	*Three PHYS elective courses numbered 300 or higher with lab if offered	
		MATH 238	NEUR 349	ENST 410		
			NEUR 390			
*Minimum of Four (4) BIOL electives approved by the departmental advisor.	*One chemistry elective, excluding CHEM 351.					

¹Students are required to take CORE 150, CORE 180 **OR** CORE 190 to fulfill the Interdisciplinary CORE requirement.

- If a student takes CORE 150, then he/she should choose from 181 – 188 to fulfill the 18x requirement AND from 191 – 198 to fulfill the 19x requirement.
- If a student takes CORE 180, then he/she should choose from 151 – 158 to fulfill the 15x requirement AND from 191 – 198 to fulfill the 19x requirement.
- If a student takes CORE 190, then he/she should choose from 151 – 158 to fulfill the 15x requirement AND from 181 – 188 to fulfill the 18x requirement.

²Updated Child Abuse & Criminal Record & FBI Clearances **REQUIRED** for EDUC 235, EDUC 240, EDUC 270, EDUC 302, EDUC 305, EDUC 350, EDUC 467 and EDUC 468.

³ 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.

General Information:

A student must earn a minimum of 120 credit hours to be awarded the baccalaureate degree. The number of credit hours required for graduation may be higher in certain major programs **or** if the student elects to pursue a second major. Beyond the requirements of the Core Curriculum and of a student's chosen major program, the balances of the credit hours required for graduation are "free electives." **Because of the CORE, Major, and Secondary Education requirements, there are no "Free Electives" for students majoring in General Science/Secondary Education.**

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SUGGESTED SEQUENCE

- Use the information below as a guide when selecting courses.
- Refer to the reverse side when selecting major courses, major electives, core courses, and free electives when applicable.
- Consult your Academic Advisor prior to course registration.
- Refer to the King's College Catalog and/or website for course titles and descriptions.
- Choose one course from each CORE category as listed on the reverse side.
 - CORE courses may be taken in any order approved by the academic advisor with the following conditions:
 - CORE 100 and CORE 110 should be taken in the first year.
 - CORE 115 (or 116) should be taken within the first two years.
 - For students selecting a Foreign Language (CORE 14x), every effort should be made to register for that language in the first semester at King's.

1 st Year - Fall		cr.	1 st Year - Spring		cr.
♦BIOL 113 or BIOL 213		3	♦BIOL 210 Organisms & Their Ecosystems		3
♦BIOL 113L or BIOL 213L		1	♦BIOL 210L Organisms & Their Ecosystems Lab		1
CHEM 113 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 128 Intro. to Statistics & Data Analysis		4	MATH 125 Calculus		4
CORE		3	CORE		3
CORE 090 First Year Experience		1			
		16			15
Summer Session***					
CORE		3			
2nd Year - Fall			2nd Year - Spring		
Track Course*		3-4	Track Course*		3 - 4
Track Course*		3-4	Track Course*		3 - 4
CORE		3	CORE		3
EDUC 202 Educ. Philos., Ethics, Issues & Trends		3	EDUC 240 ² Sec. Multicult., Linguistic & Inst. Meth.		3
EDUC 235 ² Sec. Development, Cognition, & Learn.		3	EDUC 270 Introduction to Special Education		3
EDUC 231 Technology Module I		1	EDUC 299³		0
		17-18			15-17
Admission to Candidacy (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)					
3rd Year - Fall			3rd Year - Spring		
♦PHYS 111 or 113 General Physics I		3	♦PHYS 112 or 114 General Physics II		3
♦PHYS 111L or 113L General Physics I Lab		1	♦PHYS 112L or 114L General Physics II Lab		1
Track Course*		3-4	Track Course*		3-4
CORE		3	CORE		3
CORE		3	CORE		3
EDUC 305 ^{2,3} Assessment I		3	EDUC 366 ^{2,3} Meth. For Teaching Diverse Sec. Stud.		3
EDUC 232 Technology Module II		1			
		17-18			15-17
4th Year - Fall			4th Year - Spring		
Track Course*		3 - 4	Track Course**		3 - 4
CORE		3	Track Course**		3 - 4
CORE		3	CORE		3
CORE		3	CORE		3
EDUC 302 ^{2,3} Secondary Science Methods		3	EDUC 350 ^{2,3} Secondary Classroom Management		3
		15-17			15-17
5th Year - Fall			Students who wish to finish in four (4) years (including Student Teaching) MUST take summer courses.		
EDUC 467 ^{2,3} Observation & Student Teach. (Sec Ed)	7				
EDUC 468 ^{2,3} Student Teaching Seminar	2				
EDUC 440 ³ Inclusive Education	3				
Take Praxis II					
		12			
Total Credits Required for Graduation = 141 - 152					

* Students considering the Physics track should take PHYS 113, 113L, 114, & 114L during their freshman year in exchange for the Biology courses.

***Summer Session is suggested.

NOTE: All Secondary Teacher Certification candidates must complete six credits of college level mathematics and six credits of college level English:

Math Courses	MATH 125	MATH 128
English Courses	CORE 110	CORE 16

The Pennsylvania Department of Education requires secondary teachers to have a degree in the content area for certification. Students seeking secondary certification must meet with his/her specific content area department for content area courses required for the degree. The Education Division is not responsible for content area or CORE courses for secondary certification candidates.