

Biology – Accelerated Pre-Dental and Pre-Chiropractic Track

For Pre-Dental and Pre-Chiropractic Students

Bachelor of Science (BS.BIOL)

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. (See college catalog for more information) SBM = Satisfied By Major requirement(s) and credit(s) listed
Communication & Creative Expression	_____	Writing	ENGL 110†	3	
	_____	Oral Communication	COMM 101	3	
	_____	Literature	ENGL 140-149	3	
	_____	The Arts	ARTS 100-149	3	
Citizenship	_____	History	HIST 100-149	3	
	_____	Intercultural	FREN/GERM/SPAN 100-level or Study Abroad††	3	
	_____	Global Connections	ECON 150-199; GEOG 150-199; HIST 150-199; PS 150-199; SOC 150-	3	
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	3	
	_____	Theology & Wisdom	THEO 150-159	3	
	_____	Theology & the Good	THEO 160-169	3	
Total Core Credits				39	

Major Requirements	Credits	Major Requirements	Credits	Other Requirements	Credits
_____ BIOL 113 ²	3	_____ CHEM 113 ²	3	_____ HCE 101 Holy Cross Exp.	1
_____ BIOL 113L	1	_____ CHEM 113L	1		
_____ BIOL 210 ^{PR}	3	_____ CHEM 114 ^{PR}	3		
_____ BIOL 210L	1	_____ CHEM 114L	1		
_____ BIOL 213 ^{PR}	3	_____ CHEM 241 ^{PR}	3		
_____ BIOL 213L	1	_____ CHEM 241L	1		
_____ BIOL 270 ^{4,PR} (spring)	1	_____ CHEM 242 ^{PR}	3		
_____ BIOL 370 ^{5,PR}	2	_____ CHEM 242L	1		
_____ BIOL 470 ^{6,PR} (spring)	2	_____ MATH 125	4		
_____ BIOL RIC ⁷	4	_____ MATH 128	4		
_____ BIOL Elective*	3	_____ PHYS 111	3		
_____ BIOL Elective*	4	_____ PHYS 111L	1		
		_____ PHYS 112 ^{PR}	3		
		_____ PHYS 112L	1		
Total Major Credits 28		Total Major Credits 32		Total Elective / Other Credits 1	
Total Credits Completed at King's College 100					

Professional School³

Students following the Accelerated Pre-Dental or Pre-Chiropractic Track will complete the remaining King's College graduation requirements for Biology during the first year at their Professional School. This includes the 7 remaining BIOL credits and the 13 free elective credits

Required credits remaining credits to graduate from King's College **20**

Total Credits Required for Graduation = 120

*In addition to the Major Sequence requirements, a student following the Biology – Accelerated Pre-Dental or Pre-Chiropractic Track must also complete a minimum of three (3) upper-level courses (minimum of two with lab). In addition, one of these courses must be research intensive (consult with Biology advisor).

Biology Electives^{PR}

BIOL 314 Microbiology	BIOL 349 Animal Behavior	BIOL 416 Parasitology
BIOL 323 Genetics	BIOL 350 Developmental Biology	BIOL 420 Botanical Pharmacology
BIOL 326 Immunology	BIOL 353 Biochemistry	BIOL 430 Ecology
BIOL 330 Introductory Bioinformatics	BIOL 355 Comparative Vertebrate Anatomy	BIOL 447 Physiology
BIOL 336 Cell Biology	BIOL 401 Special Topics in Env. Science	BIOL 450 Molecular Genetics: DNA Science

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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		Credits	Spring		Credits
BIOL 113 ² Evolution & Diversity		3	BIOL 210 ^{PR} Organisms & Their Ecosystems		3
BIOL 113L Evolution & Diversity Lab		1	BIOL 210L Organisms & Their Ecosystems Lab		1
CHEM 113 ² General Chemistry I		3	CHEM 114 ^{PR} General Chemistry II		3
CHEM 113L General Chemistry I Lab		1	CHEM 114L General Chemistry II Lab		1
Core Course ¹		3	MATH 125 ² Calculus		4
Core Course ¹		3	Core Course ¹		3
HCE 101 Holy Cross Experience		1	Core Course ¹		3
		15**			18**
Summer		Credits			
Fall		Credits	Spring		Credits
BIOL 213 ^{PR} Cell & Molecular Biology		3	BIOL Elective*		3
BIOL 213L Cell & Molecular Biology Lab		1	BIOL 270 ^{4,PR} Sophomore Seminar		1
CHEM 241 ^{PR} Organic Chemistry I		3	CHEM 242 ^{PR} Organic Chemistry II		3
CHEM 241L Organic Chemistry I Lab		1	CHEM 242L Organic Chemistry II Lab		1
MATH 128 Intro. to Statistics & Data Analysis		4	Core Course ¹		3
Core Course ¹		3	Core Course ¹		3
Core Course ¹		3	Core Course ¹		3
		18**			17**
Summer		Credits			
DAT/GRE test preparation – Take Prep Course					
Plan to take DAT/GRE in August					
Fall		Credits	Spring		Credits
PHYS 111 Physics for the Life Sciences I		3	PHYS 112 ^{PR} Physics for the Life Sciences II		3
PHYS 111L Physics for the Life Sciences I Lab		1	PHYS 112L Physics for the Life Sciences II Lab		1
BIOL RIC ⁷ with lab*		4	BIOL 470 ^{6,PR} Senior Seminar		2
BIOL 370 ^{5,PR} Seminar (Soph./Junior Diag. Project)		2	BIOL Elective*		3
Core Course ¹		3	BIOL Elective Lab*		1
Core Course ¹		3	Core Course ¹		3
		16	Core Course ¹		3
					16

Professional School³ First Year (Dental or Chiropractic)

4th Year – (1st Year at Professional School)

First Year Professional School Curriculum will satisfy the following:

- The remaining 7 credits of BIOL Electives are required for the Biology major.
- The remaining 13 Free Elective credits required for the King's College Biology Degree.

Required credits remaining credits to graduate from King's College **20**

Total Credits Required for Graduation = 120

NOTES:

¹Choose one course from each of the Core Requirements listed on the reverse side.

²Course may satisfy both a Major and a Core requirement. BIOL 113 and CHEM 113 satisfy the Scientific Endeavor and Science in Context Core requirement. MATH 125 will satisfy the Quantitative Reasoning Core requirement.

³Students will use courses taken at their Professional School to count as the 7 BIOL Elective credits and the 14 Free Elective credits.

⁴Sophomore Seminar – Spring Semester of Sophomore Year

⁵Junior Seminar – Fall or Spring Semester of Junior Year

⁶Senior Seminar – Spring Semester of Junior Year

⁷Research Intensive Course (Biology Elective that is designated as a Research-Intensive Course (RIC)

^{PR} Course has a prerequisite – check college catalog.

**The standard semester course load is five courses consisting of 15 – 17 credits. A student may take 18 credits if the science lab puts them over 17 credits (*for more information about credit loads, please see the college catalog*).

We highly recommend that you consider taking classes over the summer to alleviate the intense course-load during the Fall and Spring semesters. Upon successful completion of the first-year professional school curriculum, the student will have satisfied all King's College requirements for graduation.