

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. SBM = Satisfied By Major requirement(s) and credit(s) listed below. |
| 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 150-199 | 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; MSB 287 | 3 | |
| | Theology & Wisdom | THEO 150-159 | 3 | |
| | Theology & the Good Life | 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 310 Computer Modeling in Biology & Env. Sci | BIOL 349 Animal Behavior | BIOL 416 Parasitology |
| BIOL 314 Microbiology | BIOL 350 Developmental Biology | BIOL 420 Botanical Pharmacology |
| BIOL 323 Genetics | BIOL 353 Biochemistry | BIOL 430 Ecology |
| BIOL 326 Immunology | BIOL 355 Comparative Vertebrate Anatomy | BIOL 447 Physiology |
| BIOL 330 Introductory Bioinformatics | BIOL 380 Neuroendocrinology | BIOL 450 Molecular Genetics: DNA Science |
| BIOL 336 Cell Biology | BIOL 401 Special Topics in Env. Science | BIOL 456 Molecular Mechanism of Brain Disorders |

Biology – Accelerated Pre-Dental and Pre-Chiropractic Track

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 | | | 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 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.