

General Science

Bachelor of Science (BS.GENSC)

| 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 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- | | 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 | Electives ³ / Other Requirements | Credits |
|---|---------|--------------------|---------|---|---------|
| Take two of the following with labs: | | Track Course* | 3 - 4 | HCE 101 Holy Cross Exp. | 1 |
| BIOL 113 ² | | Track Course* | 3 - 4 | Free Elective | 3 |
| BIOL 113L | | Track Course* | 3 - 4 | Free Elective | 3 |
| BIOL 210 ^{PR} | 8 | Track Course* | 3 - 4 | Free Elective | 3 |
| BIOL 210L | credits | Track Course* | 3 - 4 | Free Elective | 3 |
| BIOL 213 ^{PR} | | Track Course* | 3 - 4 | Free Elective | 3 |
| BIOL 213L | | Track Course** | 3 - 4 | Free Elective | 3 |
| CHEM 113 ² | 3 | Track Course** | 3 - 4 | Free Elective | 2-3 |
| CHEM 113L | 1 | (Track Course**) | (3 - 4) | | |
| CHEM 114 ^{PR} | 3 | | | | |
| CHEM 114L | 1 | | | | |
| PHYS 111 or 113 | 3 | | | | |
| PHYS 111L or 113L | 1 | | | | |
| PHYS 112 ^{PR} or 114 ^{PR} | 3 | | | | |
| PHYS 112L ^{PR} or 114L ^{PR} | 1 | | | | |
| MATH 125 & 128 | | | | | |
| OR | 8 | | | | |
| MATH 129 & 130 | | | | | |
| Total Minimum Major Credits | | 60** | | Total Elective / Other Credits | 21-22 |

Total Credits Required for Graduation = 120

| *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 | Health Sciences |
| BIOL 370 | CHEM 241 | MATH 126 | PSYC 101 | ENST 201 | PHYS 231 | BIOL 213/L |
| BIOL 490 | CHEM 242 | MATH 129 | NEUR 211 | ENST 202 | PHYS Elective* | BIOL 221/L or |
| 3 rd Foundation BIOL (113, 210, 213 + Lab) | CHEM 243 | MATH 130 | NEUR 212 | One of the following: | PHYS Elective* | BIOLCCC 135/L |
| | CHEM 493 | MATH 237 | NEUR 310 | | PHYS Elective* | BIOL 222/L or |
| BIOL Elective* | CHEM 494 | MATH Capstone: MATH 127 | NEUR 480 | ENST 490 | MATH 129 | BIOLCCC 136/L |
| BIOL Elective* | CHEM Elective* | Plus one (1) of the following: | Plus two (2) of the following: | ENST 491 | MATH 130 | MATH 126 or 128 |
| BIOL Elective* | *One chemistry elective, excluding CHEM 351. | | | ENST 499 | Plus one (1) of the following: | CHEM 241/L |
| *Minimum of Four (4) BIOL electives approved by the departmental advisor. | | MATH 231 | NEUR 342 | Plus three (3) of the following: | MATH 231 | Capstone Course |
| | | MATH 238 | NEUR 346 | | MATH 237 | Plus two (2) of the following: |
| | | | NEUR 348 | ENST 200 | | PSYC 101 |
| | | | NEUR 349 | | *Three PHYS elective courses numbered 300 or higher with lab if offered. | BIOL 314/L or |
| | | | NEUR 390 | | | BIOLCCC 251/L |
| | | | | *Three ENST elective courses numbered 300 or higher with lab if offered. | | BIOL 323 |

See reverse side for a suggested sequence

Effective 07/01/2025

| | | | | | | |
|--|--|--|--|--|--|-------------------------|
| | | | | | | BIOL 224 or BIOL 353 |
| | | | | | | BIOL 326 |

General Science

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 or BIOL 213 | 3 | | ♦ BIOL 210 ^{PR} Organisms & Their Ecosystems | 3 |
| | ♦ BIOL 113L or BIOL 213L | 1 | | ♦ BIOL 210L ^{PR} 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 ^{PR} General Chemistry II Lab | 1 |
| | MATH 128 ² Statistics or 129 ² Calculus I | 4 | | MATH 125 ² Calculus I or MATH 130 Calculus II | 4 |
| | Core Course ¹ | 3 | | Core Course ¹ | 3 |
| | HCE 101 Holy Cross Experience | 1 | | | |
| | | 16 | | | 15 |
| Summer | | Credits | | | |
| Fall | | Credits | Spring | | Credits |
| | Track Course* | 3 - 4 | | Track Course* | 3 - 4 |
| | Track Course* | 3 - 4 | | Track Course* | 3 - 4 |
| | Core Course ¹ | 3 | | Core Course ¹ | 3 |
| | Core Course ¹ | 3 | | Core Course ¹ | 3 |
| | Core Course ¹ | 3 | | Core Course ¹ | 3 |
| | | 15-17 | | | 15-17 |
| Summer | | Credits | | | |
| Fall | | Credits | Spring | | Credits |
| | ♦ 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 Course ¹ | 3 | | Core Course ¹ | 3 |
| | Core Course ¹ | 3 | | Core Course ¹ | 3 |
| | Free Elective ³ | 3 | | Free Elective ³ | 3 |
| | | 16-17 | | | 16-17 |
| Summer | | Credits | | | |
| Fall | | Credits | Spring | | Credits |
| | Track Course* | 3 - 4 | | Track Course* | 3 - 4 |
| | Core Course ¹ | 3 | | Track Course* | 3 - 4 |
| | Free Elective ³ | 3 | | Free Elective ³ | 3 |
| | Free Elective ³ | 3 | | Free Elective ³ | 3 |
| | Free Elective ³ | 2 - 3 | | Free Elective ³ | 3 |
| | | 14-16 ⁴ | | | 12-14 ⁴ |
| 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 may select "free electives" for personal enrichment **OR** for Minor and/or Second Major Requirements.

⁴The 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*).

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

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