

KING'S COLLEGE

GENERAL SCIENCE

A major program in general science is available to students whose goals and interests require a diversity of exposure to science disciplines and flexibility in selection of science courses. The major in general science is appropriate for students who are preparing for careers in the health professions (pre-medical, pre-dental, pre-veterinary, etc.), for those who wish to enter graduate school programs at the masters or doctoral degree levels, for those students who wish to attain teacher certification at the elementary level, and those preparing for employment in a variety of science or science-related career areas.

The major sequence course requirements for the general science major provide a breadth of exposure to the science disciplines; the choices available for minor concentration provide diversity and flexibility so that a student can readily obtain specific preparation needed for individual postgraduate plans.

Course electives available in the core curriculum and within the minor concentration areas also allow the student to tailor the general science major toward specific goals, and/or select combinations with other disciplines outside of science where such combinations are appropriate or required for postgraduate career plans.

DEGREE OFFERED

Bachelor of Science (B.S.)

SPECIAL FEATURES

Flexibility and opportunity to pursue specific combinations of courses relative to a specific postgraduate goal or career choice.

There are opportunities to take courses in other fields such as writing, business, economics, education, among others that can be combined with the science background.

CAREER OPTIONS

Professional school in the healing arts. (The professional school admissions requirements must be checked carefully.)

Graduate school

Secondary or middle school teaching

Employment in businesses which apply science or technology, employment as a laboratory bench scientist, and employment in governmental agencies which oversee science or environmental initiatives.

OPPORTUNITIES FOR GRADUATE AND PROFESSIONAL SCHOOLS

Medical School

Dental School

Veterinary School

Optometry School

Osteopathic School

Podiatry School

Master's and doctoral work in various specializations

COMPATIBLE MINORS

Communications

Economics

Education

Management

Marketing

Molecular Biology

DEPARTMENT CHAIRPERSON

ROBERT A. PAOLETTI

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CURRICULUM

GENERAL SCIENCE (B.S.)

REQUIRED COURSES

General Biology I and II (BIOL 111-112)

General Chemistry I and II (CHEM 113-114)

Computing Skills: Sciences (CS 101)

General Physics I and II (PHYS 111-112)

One of the following groups:

1) Calculus (MATH 125)

Introduction to Statistics and Data Analysis (MATH 126)

2) Calculus I and II (MATH 129-130)

The Sophomore/Junior Diagnostic Project and Senior Integrated Assessment in the area of chosen minor concentration, or in an alternative area, approved by the chair of the department of the area of minor concentration and by the program director.

SELECT ONE OF THE FOLLOWING MINOR PROGRAMS:

BIOLOGY

Four (4) BIOL electives approved by departmental advisor

Twelve (12) credits of Mathematics or Science electives approved by the departmental advisor

CHEMISTRY

Organic Chemistry I and II (CHEM 241 - 242)

Analytical Chemistry (CHEM 243)

One Chemistry elective excluding CHEM 197 and CHEM 351

Thirteen (13) credits of Mathematics or Science electives approved by the departmental advisor

MATHEMATICS

One of the following:

Logic and Axiomatics (MATH 127)

Analytic Geometry and Calculus II (MATH 130)

Five (5) Mathematics courses approved by the departmental advisor

Ten (10) credits of Mathematics or Science electives approved by the departmental advisor

MOLECULAR BIOLOGY

Computer Modeling in Biology and Environmental Sciences (BIOL 310)

Evolutionary Analysis and Bioinformatics (BIOL 330)

Biology Seminar (BIOL 370)

DNA Science (BIOL 450)

RNA Science (BIOL 451)

Eukaryotic Molecular Biology (BIOL 452)

Biological Research I (BIOL 490)

One of the following:

Immunology (BIOL 326)

Cell Biology (BIOL 336)

Microbiology (BIOL 448)

Elective courses in science and/or math to accumulate a minimum of 60 credits in science and math.

NEUROSCIENCE

Psychological Foundations (CORE 154)

Neuroscience I and II - (NEURO 211-212)

One of the following:

Drugs and Behavior (PSYC 342)

Motivation: Biological Perspectives (PSYC 344)

Psychopharmacology (PSYC 346)

Sensation and Perception (PSYC 348)

One of the following:

Neuroendocrinology (BIOL 365)

Molecular Neurobiology (BIOL 449)

Thirteen (13) credits of Mathematics or Science electives approved by the departmental advisor

GENERAL SCIENCE (continued)

ENVIRONMENTAL STUDIES

Environmental Studies I and II (ENST 201-202)

One of the following:

Independent Study in Environmental Issues (ENST 490)

Internship (ENST 499)

Three of the following:

Environmental Ethics (CORE 282)

Economics of Women, Poverty, and the Environment (ECON 491)

Principles of Epidemiology (HCA 211)

Environmental Policy (PS 452)

Eight (8) credits of Mathematics or Science electives approved by the departmental advisor

Any prerequisites for courses elected by a general science major must be satisfied or the student must gain a waiver for the prerequisite from the instructor of the specific course.

MORE ABOUT KING'S COLLEGE

King's College was founded by the Congregation of Holy Cross priests and brothers from the University of Notre Dame as a Catholic, independent, four-year college in Wilkes-Barre, in northeastern Pennsylvania.

A co-ed college, King's was named to consecutive editions of *Barron's Best Buys in College Education* and has been recognized by *U.S. News and World Report* in its "Best Colleges" issue for its innovative core curriculum, faculty commitment to teaching, and tuition value. King's is among a select group of 100 colleges in the country named to the prestigious John Templeton Foundation Honor Roll for Character-Building Colleges and is one of only 16 institutions in the country to participate in the Greater Expectations initiative that will influence the development of the curriculum of schools nationwide.

Highlights of the King's campus include The William G. McGowan School of Business, named after the founder of MCI, an alumnus of the college, the state-of-the-art Parente Life Sciences Center and the Mulligan Physical Sciences Center, the Sheehy-Farmer Campus Center complete with courtyard waterfall, marketplace dining and an internet cafe, sports medicine facility, Monarch Court, and Robert L. Betzler Fields 33-acre athletic complex.

King's has a student:faculty ratio of 16:1.

The College offers bachelor's degrees in 35 major programs, a graduate school with a 5-year master's Physician Assistant Program, master's in Reading Education, Health Care Administration, and tracks in accounting and taxation.

Accreditations include:

- The William G. McGowan School of Business is accredited by the AACSB-International, the Association to Advance Collegiate Schools of Business.
- The Education Department is a candidate for accreditation by the National Council for the Accreditation of Teacher Education (NCATE).
- The Health Care Administration Department is accredited by the Accrediting Commission on Education for Health Service Administration (ACEHSA).
- The Athletic Training Education Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).
- The Physician's Assistant Program is accredited by (ARC-PA) Accreditation Review Commission on Education for Physician Assistants.

Core Curriculum

The King's College Core curriculum includes the systematic development of transferable liberal learning skills: critical thinking, effective writing, computer literacy, creative thinking and problem solving, effective oral communication, quantitative reasoning, information literacy, and moral reasoning.

Honors Program

A challenging Honors Program provides the opportunity for students to design the major they want through a careful plan of advisement. Discussion and individual attention characterize the program.

International Opportunities

King's provides students with internships and study abroad opportunities that enable you to study, work, or student teach in foreign countries. These experiences will help you acquire skills and shape your future career while providing hands-on learning. King's has formed partnerships with a number of quality programs resulting in a wide variety of opportunities locally, nationally, and across the globe.

Career Planning

The Career Planning and Placement Office is a resource center for investigating career options and a service for employers looking for full-time job candidates. An innovative and comprehensive four-year program of career development and advisement results in 99% job or graduate school placement within 6 months of graduation. Many employers recruit on the King's campus because of our strong academic reputation.

Campus Life

King's offers a variety of living options in on-campus residence halls and apartment-style living. Individual rooms have access to the campus network and all functions of the Internet and Web. Each room has phone, computer, and cable TV connections.

There are more than 50 student clubs and organizations, a popular intramural program, and a brand new campus center with a lively program of activities.

Athletics

King's offers 19(NCAA Division III) sports for men and women in the Middle Atlantic Conference, as well as intramural sports. Men's varsity sports include basketball, baseball, cross country, football, golf, lacrosse, soccer, swimming, tennis, and wrestling. Women's varsity sports include basketball, cross country, field hockey, lacrosse, soccer, softball, swimming, tennis, and volleyball. Intramurals include basketball, flag football, racquetball, softball, street hockey, volleyball, and rugby.

Transfer Students

Applicants to King's must request that their transcripts be forwarded to the Admissions Office from their secondary schools and each college previously attended. Transfer credits from these colleges are evaluated on an individual basis. A 2.0 average is the minimum requirement for admission into liberal arts, 2.5 for majors in the McGowan School of Business, 2.5 for science, 2.85 for education, and a 3.0 for the Physician's Assistant Program. Transfer students with an associate degree normally will be credited with 60 semester hours, but this is not automatic, as it is based on grades and course content. Transfer students are advised to address their inquiries to the Admissions Office and visit the college for a personal interview.

FOR MORE INFORMATION AND A TOUR OF THE CAMPUS, VISIT

www.kings.edu • admissions@kings.edu • finaid@kings.edu • (888)KINGS.PA