HEALTH ADMINISTRATION

Program Overview
The health administration minor recognizes the diversity of skills required in the health care sector, and allows students from a variety of majors to minor in health care administration. Majors particularly well-suited to health administration are:

- **Sciences** (biology, chemistry, biochemistry, biopsychology, psychology)
- **Social sciences** (economics, sociology, social work, political science)
- **Business** (marketing, management, business administration, human resources management, business economics, finance, management sciences and information systems).

Classes include a diversity of student majors, which allows science, social science and business students to interact and learn alternative points of view. The health administration minor, combined with other initiatives of the integrated science and business curriculum at Rider, place graduates at a strong advantage in the employment marketplace.

Minor Offered
- Minor in Health Administration

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Program Website: [www.rider.edu/healthadmin](http://www.rider.edu/healthadmin)

Associated Department: Department of Finance and Economics

Accreditation: Association to Advance Collegiate Schools of Business [http://www.aacsb.edu](http://www.aacsb.edu)

Related Programs

Health Administration Minor Requirements

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<th>Title</th>
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<td>HTH 205</td>
<td>Introduction to Health Care</td>
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<td>HTH 336/ECO 336</td>
<td>Economics of Health Care Sys</td>
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Select one of the following: 3

- HTH 450
- or ECO 450 Seminar in Economic Research
- HTH 491 Health Administration Intern

Select three of the following: 9

- HTH 225 Health Care Financing

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<tr>
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<td>Healthcare Law, ethics &amp; Policy</td>
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<td>BHP 309</td>
<td>Honors Seminar: Genetic Engineering and the Philosophy of Science</td>
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<td>BIO 206</td>
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<td>COM 254</td>
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<td>HTH 215</td>
<td>Population Healthcare Management</td>
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<td>PHL 304</td>
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<td>SOC 346</td>
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<td>GLS 325</td>
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<td>MKT 380</td>
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<td>PSY 345</td>
<td>Health Psychology</td>
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Select one of the following: 3

- BIO 100 Life Science: Human Emphasis
- BIO 101 Life Science: Genetics Emphasis
- BIO 106 Life Science: Human Disease
- BIO 108 Life Science: Social Work
- BIO 110 Life Science: Inquiry Approach
- BIO 115 Principles of Biology I
- BIO 221 Human Anatomy & Physiology I
- BNS 107 Life Science: Behavioral Neuroscience Emphasis
- CHE 115 Chem and Contemporary Society
- CHE 118 Exploration of Chemical Principles
- CHE 120 Principles of Chemistry
- PSY 220 Abnormal Psychology
- PSY 365 Drugs and Human Behavior
- PSY 374 Psychology of the Family
- PSY 382 Aging, Brain, and Cognition
- PSY 385 Death, Dying and Suicide

Non-business majors must select one of the following: 0-3

- MGT 201 Fund Management & Org Behavior
- MKT 200 Marketing Principles

Total Credits 21-24

Courses and Descriptions

**BHP 309 Honors Seminar: Genetic Engineering and the Philosophy of Science** 3 Credits
Highlights the different perspectives held by scientists and philosophers regarding current bioethical issues. Topics include classical ethical theory, applied ethics, and basic biology as it relates to topics such as stem cells, cloning, and assisted reproduction. Students will learn how to construct and present rational, objective arguments during class discussions and presentations. At the end of this course, students will have gained a strong perspective both the ethical and biological foundations behind modern “hot-button” topics in genetics.

**BIO 100 Life Science: Human Emphasis** 3 Credits
An examination of mammalian physiology and development at the cellular and organ system level, with emphasis on physiological homeostasis in man. Three hours of lecture per week.

**BIO 101 Life Science: Genetics Emphasis** 3 Credits
An examination of cell biology and genetics, with emphasis on the impact of these fields on human affairs. Three hours of lecture per week.
BIO 106 Life Science: Human Disease 3 Credits
An introduction to molecular, cellular, and human biology with emphasis upon diseases and disorders caused by mutation, bacteria, viruses, or parasites. The biology of human aging is also discussed. Three hours of lecture per week.

BIO 108 Life Science: Biology of Human Aging 3 Credits
An introduction to the biology of aging manifest in the cells, tissues, and organs of animals and humans. Three hours of lecture per week.

BIO 110 Life Science: Inquiry Approach 4 Credits
An introductory course for non-science majors in which students develop an understanding of biological evolution, the molecular basis of heredity, the cell, matter, energy and organization in living systems, and the interdependence of organisms. In addition, students will develop an understanding of science as a human endeavor, the nature of scientific knowledge, and historical perspectives. Through investigative activities, students will develop an understanding about scientific inquiry and develop abilities necessary to do scientific inquiry. Three hours of lecture and one three-hour lab per week.
Corequisite(s): BIO 110L.

BIO 110L Life Science: Inquiry Approach Lab 0 Credits
This lab is a co-requisite and must be taken with the corresponding course.
Corequisite(s): BIO 110.

BIO 115 Principles of Biology I 4 Credits
An introductory biology course focusing on major themes of biology: what is life?; Cells as fundamental structure and functional unit of life; information transmission, storage and retrieval; Diversity and unity of life explained by evolution. Three hours of lecture and one three-hour lab per week.
Corequisite(s): BIO 115L.

BIO 115L Principles of Biology I Lab 0 Credits
This lab is a co-requisite and must be taken with the corresponding course.
Corequisite(s): BIO 115.

BIO 206 The Pharmaceutical Industry 3 Credits
An introduction to drug discovery and development. Topics include how drugs are used to diagnose, cure, treat, and prevent disease and how drugs affect body function. The origins of diseases and the early attempts at treatment are also covered. Designed for business majors; does not satisfy requirements for the biology major.
Prerequisite(s): BIO 100 or BIO 101 or BIO 106 or BIO 108 or BNS 107 or CHE 115.

BIO 221 Human Anatomy & Physiology I 4 Credits
A comprehensive survey of the structure and function of musculoskeletal systems, neuroendocrine systems and related tissues and cellular interactions. Physiological applications include homeostasis, muscle dynamics, and cell activities. Laboratory exercises complement lecture material through the use of animal dissections, wet labs, computer-assisted investigations, microscopy, and models. Exams, case histories, personal investigations, and lab practicums assess learning. Course emphasis supports allied health and pre-professional training. Three hours of lecture and one three-hour lab per week. Designed for allied health students; does not satisfy requirements for the biology major. Prerequisite(s): HSC major ONLY or Permission of instructor.
Corequisite(s): BIO 221L.

BIO 221L Human Anatomy & Physiology I Lab 0 Credits
This lab is a co-requisite and must be taken with the corresponding course.
Corequisite(s): BIO 221.

BNS 107 Life Science: Brain and Behavior 3 Credits
An introduction to the biology of the human brain and the rest of the human nervous system. Topics in neuroscience are covered in molecular, cellular, and systematic terms. Additional material is presented on the origins and effects of neurological and psychiatric diseases.

CHE 115 Chem and Contemporary Society 3 Credits
Designed to give the nonscientist an appreciation of the role of chemistry in today's world. The approach is conceptual rather than mathematical. Topics include basic principles of chemical theory, energy sources, elementary organic chemistry, drugs, food additives, polymers, chemistry of living systems, inorganic solids in modern technology, and problems involving pollution of the environment. Three hours of lecture per week. This course satisfies the core requirements for liberal arts, education and business majors.

CHE 118 Exploration of Chemical Principles 4 Credits
A one-semester introduction to the principles of chemical sciences. Students will utilize inquiry-based learning methods to examine contextual problems as a means to explore introductory models and concepts of chemistry. Students will also gain an understanding of how scientific models are used to explain experimental observations. The laboratory component of this course is designed to provide students with an experimental context within which to develop some of the models described in the classroom. Three hours of lecture and one three-hour lab per week.

CHE 118L Exploration of Chemical Principles Lab 0 Credits
This lab is a co-requisite and must be taken with the corresponding course.
Corequisite(s): CHE 118.

CHE 120 Principles of Chemistry 3 Credits
For students who have successfully completed one year of high school chemistry. This systematic study of the fundamental principles and concepts of chemistry covers atomic structure, bonding, stoichiometric relationships, including solution and oxidation-reduction reactions, and molecular structure. Three hours of lecture per week. Prerequisite(s): High school chemistry or CHE 100 is recommended before taking this course.
Corequisite(s): CHE 121.

HTH 205 Introduction to Health Care 3 Credits
This course is an introduction to the components of the health care industry in the United States and to the interactions of these components in producing and supplying health care. We examine the nature of health, and the various institutions and personnel which seek to provide health services; we explore the means by which we pay for these services; we assess the relationship of technology to provision of health care services; we study the various ways that our government interacts with the providers of health care services; we investigate the ethical implications of issues in health care; and we explore health care sectors from an international perspective.
HTH 336 Economics of Health Care System 3 Credits
This course presents ways in which economic analysis can be used to explain issues in the health care industry. Microeconomics tools will be used to describe the behavior of consumers, producers, and third parties of the health care sector. The course also investigates the role of government in regulating the health care sector, and in providing services to the poor and elderly. Finally, we will use this foundation to examine some recent changes in this industry, and to analyze the most recent proposals for further changes.

HTH 450 Seminar in Health Research 3 Credits
Students in the course learn to conduct health administration-related research by engaging in an actual community-based research project. At the beginning of the semester, students are assigned to a health-related community-based organization. As a team, students meet with the client, devise a plan of action, collect and analyze data and other information, and write a report to the client. At the end of the semester, students present their findings to the client.
Prerequisite(s): Permission of instructor.

HTH 491 Health Management Internship 3 Credits
This course provides students minoring in health administration an opportunity to supplement and apply their classroom work in a supervised employment setting with participating firms in the health care sector. Requirements include: a log of daily activities, oral and written reports to the faculty supervisor and a term paper. In addition, the employer will also submit an evaluation of the student’s performance.
Prerequisite(s): HTH 205; junior or senior standing; and permission of faculty supervisor.

HTH 315 Health Care Law, Ethics and Policy 3 Credits
This course analyzes the role of the law in promoting the quality of health care, organizing the delivery of health care, assuring adequate access to health care, and protecting the rights of those who are provided care within the health care system. It will also examine the public policy, economic, and ethical issues raised by the health care system.

HTH 215 Population Health Care Management 3 Credits
In this course, we study how disease is distributed in populations and of the factors that influence or determine this distribution. This course introduces the basic methods and tools epidemiologists use to study the origin and control of non-communicable and communicable diseases so that policies and mechanisms to enhance the health of populations can be developed.
Prerequisite(s): MSD 201 or MTH 120 or ENV 200 or PSY 201.

MGT 201 Fund Management & Org Behavior 3 Credits
This course deals with the fundamentals of organizational behavior as they relate to management such as motivation, communications, and leadership. Behavior is examined at the individual, group, and organizational level. The management functions of planning, organizing, leading and controlling are addressed. The effects of global operations and the requirements of ethical behavior on managers are also explored.
Prerequisite(s): minimum 30 credits completed.

PSY 365 Drugs and Human Behavior 3 Credits
Presents the student with an in-depth analysis of the effects of alcohol and selected chemical substances on the behavior and body of the user. Commonly abused substances will be discussed in terms of their history, sources of production, routes of administration, distribution, metabolism and excretion, neurophysiology, tolerance, properties of addiction, withdrawal course and symptoms, and potential beneficial and harmful effects.
Prerequisite(s): PSY 100.

PSY 345 Health Psychology 3 Credits
This course focuses on the biopsychosocial model of health in which biological, psychological and social factors contribute to health and wellbeing, as well as illness and disease. After a brief introduction to systems of the body, i.e. nervous, endocrine, respiratory, cardiovascular, digestive, immune, this course will examine health enhancing behaviors such as exercise and nutrition, as well as health compromising behaviors such as drug abuse and other reckless behaviors, along with models that explain behavior maintenance and change. Additionally, attention is devoted to a discussion of how health psychology can function in shaping health care policy.
Prerequisite(s): PSY 100.

PSY 374 Psychology of the Family 3 Credits
This course examines the significance of family in human development. Using prominent themes of developmental psychology, such as: the role of attachment in forming human relationships, the significance of context in understanding human development, and the resilience of development; this course will explore the existing research on the family. Students are asked to consider their own experiences as members of a family, as well as to understand the varieties of ways family impacts development across the lifespan.
Prerequisite(s): PSY 100, PSY 230 or permission of instructor.

PSY 382 Aging, Brain, and Cognition 3 Credits
Focus of the course is on brain structure and function in the largest growing segment of our population, persons over the age of 65, and the link between structure and cognitive abilities, both intact and declining. Special attention is paid to those factors related to successful aging and treatments with putative cognitive enhancers.
Prerequisite(s): PSY 100.