

Anthropology

Program Description

Anthropology is the study of human differences and commonalities in a world of global and transnational connections. Cultural anthropologists study a wide range of contemporary concerns from identity and community formation to popular culture and political economy. They engage in long-term ethnographic research in rural, urban, and suburban environments around the world and apply critical cultural analysis to their field experiences.

Anthropology at Purchase College takes the study of culture to be an inherently interdisciplinary practice, drawing not only on other social sciences, but also the natural sciences, the humanities, and the arts. Courses in the Anthropology Program provide the core of a broad liberal arts education for students majoring in anthropology. These courses also introduce students from a range of other disciplines to the vital connections between anthropology and their own fields of study.

Our graduates go on to careers in social work, development, and activism for nonprofit and non-governmental organizations, curatorial and archival work at museums and historical societies, consumer research and creative communications for marketing and advertising firms, end-user practices for product design firms, and teaching at colleges and universities.

Anthropology Faculty

Ahmed Afzal, PhD, Yale University

Rudolf Gaudio, PhD, Stanford University

Lorraine Plourde, PhD, Columbia University

Contributing Faculty

Shaka McGlotten, PhD, University of Texas, Austin
(Media, Society, and the Arts)

Richard Gioioso, PhD, Florida International
University (Sociology)

Jason A. Pine, PhD, University of Texas, Austin
(Media, Society, and the Arts)

Representative Alumni

Please see the reverse side.

Requirements for the Major

Introduction to Social and Cultural Anthropology

Classics in Anthropological Literature

Fieldwork: Qualitative Methods

Current Anthropological Literature

Four anthropology electives in the student's chosen concentration

Senior Project in Anthropology

Anthropology majors are encouraged to undertake an internship, study-abroad opportunity, or community-action independent study. Students may petition to take credit-bearing internships with anthropology faculty sponsors in place of one upper-level elective for the major.

Concentration 1: General Anthropology

The four anthropology electives must include at least one course in each of the other three concentrations

Concentration 2: World Cultures

Nigerian/Hausa Language and Culture I

Nigerian/Hausa Language and Culture II

Urban Life in Africa

New Immigrants in the United States

Islam in the American Imagination

Urban Anthropology

Archaeological Issues in the Southern Levant

Anthropology of Europe

Informal Economies

Environment and Sustainable Development in South Asia

Special Topic: Geographic Area (semester topic: Culture and Media in Italy)

Concentrations 3–4: Please the reverse side.



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Anthropology cont'd

Requirements for the Major (continued)

Concentration 3: Anthropology and the Arts

Film and Anthropology
Performing Arts in Cross-Cultural Perspective
Magic, Witchcraft, and Religion
Museum Anthropology
Introduction to Ethnomusicology
Global Media, Local Cultures
Myth and Ritual
Theatre and Performance in Africa
Anthropology of Art and Aesthetics
Anthropology of Music and Sound
Gender and Popular Culture in South Asia
Los Angeles/Mumbai: Cinematic City Cross-Culturally
Contemporary Japan: Aesthetics, Politics, Modernity

Concentration 4: Kinship, Identities, and Power

Language, Culture, and Society
Drugs, Bodies, Design
Global Sexualities
Sexuality and Society
Critical Perspectives on Language and Culture

Representative Alumni

Jay H. Bernstein '80, PhD, University of California, Berkeley; associate professor, readers services librarian, and head of interlibrary loan, Kingsborough Community College, City University of New York; author of *Spirits Captured in Stone: Shamanism and Traditional Medicine Among the Taman of Borneo*

David R. Graeber '84, PhD, University of Chicago; reader in social anthropology, Goldsmiths College, University of London; author of *Toward an Anthropological Theory of Value: The False Coin of Our Own Dreams* and *Fragments of an Anarchist Anthropology*

Lalena Howard '05, MSW, Hunter College School of Social Work, City University of New York; Single Stop program coordinator, Fifth Avenue Committee

Lisa E. Hoyes '94, JD (Sinsheimer Public Service Scholar), New York University School of Law; criminal defense attorney, Bronx, NY

Ana Magdalena Hurtado '80, PhD, University of Utah; human evolutionary ecologist; director of the Global Health Program and professor of anthropology and epidemiology, School of Human Evolution and Social Change, Arizona State University

Steven Stapleton '02, editor, The Nielsen Company

Harvey Wang '77, award-winning filmmaker and photographer; www.harveywang.com

Catherine Ziegler '96, PhD, The New School for Social Research; author of *Favored Flowers: Culture and Economy in a Global System*; www.catherineziegler.com



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Biochemistry

Program Description

The interplay between biology, chemistry, and even mathematics has rapidly changed the field of biomedical research over the past 25 years. Students entering this field need to have an in-depth interdisciplinary background that includes advanced courses and research experience in both chemistry and biology. The curriculum in the biochemistry major provides a solid foundation for students who plan to continue their study in biochemistry, biomedical sciences, or pharmaceutical science. Rapid advances in the biomedical field in recent years have created a great demand for a work force that is well trained in the interdisciplinary area of biochemistry. Students completing the biochemistry major are also well prepared for employment in the biotechnology, pharmaceutical, and other biomedical areas. The biochemistry major also prepares students for medicine, dentistry, and other allied health professions.

Representative Alumni

John Ambroseo '83, PhD, University of Pennsylvania; president and CEO, Coherent, Inc.

Sean M. Casey '88, PhD, University of Minnesota; associate professor, Department of Chemistry, University of Nevada, Reno

Peter C. Compo '81, PhD, City College of New York; senior research scientist, DuPont

Kathryn B. Grant '89, PhD, Columbia University; professor of biochemistry and bioinorganic chemistry, Georgia State University

Robert A. Herman '79, MD, SUNY Buffalo; staff psychiatrist, University of Maryland Health Center, College Park, and Anne Arundel Medical Center

Juan A. March '85, MD, SUNY Upstate Medical University; professor and chief of the Division of Emergency Medical Services, The Brody School of Medicine, East Carolina University

Requirements for the Major

General Biology I with lab
General Chemistry I & II with labs
Organic Chemistry I & II with labs
Physical Chemistry I
Physical Chemistry I Lab for Biochemistry Majors
Chemical Instrumentation and Analytical Methods
Biochemistry with lab
Cell Biology
Molecular Biology
Calculus I & II
Introductory Physics I & II with labs
One advanced elective in biology
Biochemistry Junior Seminar
Biochemistry Senior Seminar I & II
Biochemistry Senior Project

Biochemistry Faculty

Frank Bellevue, PhD, Rensselaer Polytechnic Institute

Stephen A. Cooke, PhD, University of Exeter

Elizabeth Rose Middleton, MS, Yale University

Joseph Skrivanek, PhD, Pennsylvania State University

Contributing Faculty (Biology)

Elysse M. Craddock, PhD, University of Sydney, Australia

James G. Daly, PhD, University of Guelph, Canada

Lee Ehrman, PhD, Columbia University

Joanne Kivela Tillotson, PhD, Michigan State University



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Biology

Program Description

The Biology Program at Purchase College embodies the excitement of the dramatic advances in this rapidly expanding field. Students actively participate in the life sciences, studying and pursuing research with faculty who are active and accomplished in their fields. Classes are small and instruction is often individual. Independent study and the senior research project allow students to apply their knowledge and skills to meaningful research projects with a faculty mentor. Seniors present their results at our student symposium, and many senior projects have been published.

Students use sophisticated equipment in classes and research projects, including scanning and transmission electron microscopes, fluorescence light microscopes, digital imaging, recombinant DNA facilities, DNA sequencer, PCR thermocycler, cell- and tissue-culture facilities, ultracentrifuges, environmental chambers, and assorted analytical instruments.

Careers in biology may be pursued from a variety of perspectives, and our majors are well prepared for graduate school, teaching, and careers in high-tech industries. The biology major also provides an excellent preparation for entrance to and success in medical, dental, and veterinary schools and in other allied health programs.

Representative Courses

General Biology I & II
General Chemistry I & II
Organic Chemistry & II
Animal Physiology
Cell Biology
Developmental Biology
Evolution
Genetics
Immunology
Microbiology
Molecular Biology
Scanning Electron Microscopy and
Digital Imaging
Transmission Electron Microscopy
and Cell Ultrastructure
Vertebrate Zoology

Requirements for the Major

Biology majors may complete either the BA or the BS degree and may follow their own interests or concentrate in cellular and molecular biology, evolutionary and behavioral biology, bioresearch technology, marine biology and ecology, genetics, microscopy and imaging, or biochemistry. For more information, please visit www.purchase.edu/sciences or e-mail sciences@purchase.edu.

Biology Faculty

Elyse M. Craddock, PhD, University of Sydney, Australia

James G. Daly, PhD, University of Guelph, Canada

Lee Ehrman, PhD, Columbia University

Jan Robert Factor, PhD, Cornell University

George P. Kraemer, PhD, University of California, Los Angeles

Maryann McEnroe, PhD, University of California, Davis

Joanne Kivela Tillotson, PhD, Michigan State University

Contributing Faculty

Joseph Skrivanek, PhD, Pennsylvania State University (Chemistry)

Representative Alumni

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Representative Alumni

Jill Bargonetti-Chavarria '85, PhD, New York University; molecular biologist and renowned cancer researcher; professor of biology, Hunter College, City University of New York

Catharine Boothroyd '99, PhD, Rockefeller University; postdoctoral researcher studying sleeping sickness

Elizabeth A. Bundock '92, MD, PhD, Rosalin Franklin University of Medicine and Science; deputy chief medical examiner, Office of the Chief Medical Examiner, Vermont Department of Health

Kaitlin Carr '09, doctoral student in physical therapy, Hunter College, City University of New York

Woojin Chong '06, MD, University of South Florida College of Medicine; ob-gyn resident, Albert Einstein College of Medicine

Tetyana Forostyan '07, PhD student in molecular biology, University of Utah

Anatoly Goltzer '06, MD, Drexel University College of Medicine; emergency medicine resident, Maimonides Medical Center

Kendall Harousseau '04, MS, Mercy College; physician assistant at ambulatory surgical center

Robert Ilowite '88, DO, Philadelphia College of Osteopathic Medicine; practicing dermatologist, Hillsborough, NJ

Mark Jonas '03, PhD student in ecology and evolution, State University of New York, Stony Brook

Daniel Pomeranz Krummel '93, PhD, Yale University; assistant professor of biochemistry, Brandeis University; postdoctoral fellow, Medical Research Council Laboratory of Molecular Biology, Cambridge, UK

Timothy LaRocca '04, PhD, Stony Brook University School of Medicine; molecular microbiologist

Jeremy Luban '82, MD, Columbia University; a leading scientist in the field of HIV-1 virology; professor of microbiology and molecular medicine, University of Geneva

Kanan Modhwadia '03, MD; psychiatry resident, Harvard Medical School

Jared Munir '08, ME, Cornell University; biomedical engineer

Bruce Peterson '97, MD; attending pathologist at Mount Sinai Hospital; hematopathologist

Chris Petzold '03, electron microscopist, New York University

Ali Sharma '03, PhD, Albert Einstein College of Medicine; postdoctoral fellow, Weill-Cornell Medical College, Department of Pharmacology

Josh Syken '95, PhD, research fellow in neurobiology, Harvard Medical School

Sandra Viens '05, forensic toxicologist, Westchester County Department of Labs and Research

Christian Zietsman '09, dental student, Stony Brook University, State University of New York



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Chemistry

Program Description

Chemistry occupies a central position in the modern sciences, influencing nearly every aspect of human enterprise, from agriculture, industry, and medicine to theoretical research on the origin and structure of the universe. It forms not only a basis for understanding nonliving material systems—its traditional domain—but biological systems and many psychological processes as well. Ultimately, most phenomena in biology, medicine, geology, and environmental sciences can be stated in terms of the chemical and physical behavior of atoms and molecules.

A major in chemistry not only serves students who intend to pursue a career in chemistry; it also provides a sound foundation for related careers in such fields as medicine and environmental science, teaching, law, business, art conservation, and journalism.

Purchase College offers the BA degree in chemistry. Approximately 60 percent of our alumni go on to graduate or professional school. Many of our earlier graduates are now successful research scientists in the chemical industry or academia, and some are in management positions. Many other chemistry alumni are now practicing physicians.

Representative Alumni

John Ambroseo '83, PhD, University of Pennsylvania; president and CEO, Coherent, Inc.

Sean M. Casey '88, PhD, University of Minnesota; associate professor, Department of Chemistry, University of Nevada, Reno

Peter C. Compo '81, PhD, City College of New York; senior research scientist, DuPont

Robert A. Herman '79, MD, SUNY Buffalo; staff psychiatrist, University of Maryland Health Center, College Park, and Anne Arundel Medical Center

Juan A. March '85, MD, SUNY Upstate Medical University; professor and chief of the Division of Emergency Medical Services, The Brody School of Medicine, East Carolina University

Peter Powchik '79, MD, New York University School of Medicine; head of clinical Development and regulatory affairs, Regeneron Pharmaceuticals

Misae Yasumoto '00, associate scientist, Wyeth Research

Requirements for the Major

General Chemistry I & II with lab
Organic Chemistry I & II with lab
Chemical Instrumentation and Analytical Methods
Physical Chemistry I & Lab
A minimum of 4 credits of advanced chemistry electives, chosen from the following list:
Physical Chemistry II
Medicinal Chemistry
Psychopharmacology
Bioorganic Mechanisms
Biochemistry
Biochemistry Lab
Special Topics in Chemistry
Independent Study (upper level)
Calculus I & II
Introductory Physics I & II
Chemistry Junior Seminar
Chemistry Senior Seminar I & II
Senior Research Project

Chemistry Faculty

Frank Bellevue, PhD, Rensselaer Polytechnic Institute

Stephen A. Cooke, PhD, University of Exeter

Elizabeth Rose Middleton, MS, Yale University

Joseph Skrivanek, PhD, Pennsylvania State University

Contributing Faculty (Biology)

Elysse M. Craddock, PhD, University of Sydney, Australia (Biology)

Joanne Kivela Tillotson, PhD, Michigan State University (Biology)



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Economics

Program Description

The economics major at Purchase College is designed to give students:

- a rigorous understanding of economic theory and its historical development
- the ability to apply theory to important real-world problems
- the analytical skills needed to succeed in a highly competitive economy

The economics faculty has an unusual breadth of teaching, research, and policy perspectives rarely found in liberal arts colleges. This provides students with an exposure to contemporary Austrian, behavioral, Keynesian, and neoclassical theoretical approaches, and to a wide range of policy issues concerning race, gender, the role of government, economics and the arts, behavioral economics, and international issues (e.g., U.S. trade policy and development in the Third World). These may be studied in regular courses and in tutorials and independent studies. In every case, the faculty is dedicated to developing each student's ability to think critically, write clearly, and conduct research.

Students majoring in economics are also encouraged to pursue internships and study abroad programs during their four years at Purchase.

Many of our alumni pursue graduate training in economics, public policy, business or law; others want a broad-based liberal arts education in economics, but do not pursue advanced work after graduation. Alumni of the Economics Program have gone on to successful careers in a variety of fields, including finance, journalism, the arts, education, government, law, and entrepreneurship.

Representative Alumni

Please see the reverse side.

Requirements for the Major

Two introductory courses (with a grade of C or higher in each):

Macroeconomic Theory I
Microeconomics I

Two intermediate theory courses:

Macroeconomic Theory II
Microeconomics II

Behavioral Statistics

Econometrics *or* History of Economic Thought

Four elective courses in economics

Economics Senior Seminar I & II

Senior Project in Economics

Representative Elective Courses

Arts and Entertainment in Economics

Behavioral Economics

Business, Government, and Society

Cities, Culture, and the Economy

Cultural Economics

Economies of Latin America

Environmental Economics

Financial Economics

Game Theory

Labor Economics

Money and Banking

The Global Economy

Economics Faculty

Cédric Ceulemans, PhD, Université Libre de Bruxelles, European Center for Advanced Research in Economics and Statistics (Belgium)

Sanford Ikeda, PhD, New York University

Seamus O'Cleireacain, PhD, University of Michigan



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Representative Alumni

Stephan A. Anagnost '94, owner, P! Solutions Consulting, Ltd., Austria

Drew Claxton '83, MA, New York University; senior consultant, National Economic Research Association; councilwoman, City of Peekskill

Laurence Malone '79, PhD, New School for Social Research; professor of economics, Hartwick College; author of *Opening the West: Federal Internal Improvements Before 1860* and co-editor of *The Essential Adam Smith*

Nathaniel McClure '00, CEO, Epicenter Studios and Scientifically Proven Studios

Kenneth F. McGinis '95, JD, Pace University School of Law; associate at Hill, Betts & Nash LLP

Adam Nagourney '77, national political correspondent, *The New York Times*

Marcia Van Wagner '79, PhD, University of Texas, Austin; vice president/senior analyst, Moody's Investors Service

Douglas P. Woodward '78, PhD, University of Texas, Austin; director of the Division of Research and professor of economics, Moore School of Business, University of South Carolina

Cyrus Zulkarnaian Kazi '00, MPA, MBA, Baruch College, City University of New York; managing director, Lexington Advisory Group



Environmental Studies

Program Description

Environmental scientists understand the scope and severity of the problems facing human society. We also now recognize the importance of considering people's attitudes and preferences in the search for solutions to preserve the natural systems on which all life relies.

The Environmental Studies BA Program at Purchase College reflects this new, interdisciplinary focus on the interactions among the sociopolitical, economic, and ecological systems where the natural world and human society overlap. This new approach offers challenges and opportunities for those motivated to help improve the health of our environment and the quality of human existence.

In addition to 11 foundation courses in three categories—natural sciences, social structure and function, and research and data analysis—students choose a suite of electives according to their personal interests and career goals, in consultation with their faculty advisor. Former students have investigated environmental issues from the standpoint of biology, policy, and economics.

The program culminates in the senior project—an extensive research project undertaken in collaboration with a faculty member. Senior research projects vary widely in topic and method, but all incorporate a common theme: environmental impacts cannot be addressed without consideration of human society.

Environmental Studies Faculty and Representative Alumni

Please see the reverse side.

Requirements for the Major

Introduction to Environmental Science
General Biology I and II (with labs)
General Ecology (with lab)
Geology (with lab)
Microeconomics I
Environmental Economics
Environmental Policy
Behavioral Statistics
Geographic Information Systems
Outdoor Skills *or* Scuba *or* Rock Climbing
Environmental Regulations *or* Environmental Impact Assessment
Environmental Studies Internship
Environmental Studies Junior Seminar
Electives in the field of focus
Senior Research Project

Representative Elective Courses

Animal Behavior
Applied Terrestrial Ecology
Aquatic Pollution
Computer Applications in the Sciences
Conservation Biology
Ecology of Urban Environments
Environmental Education
Environmental Journalism
Environmental Justice
Environmental Sociology
Environment and Sustainable Development in South Asia
Field Biology of Local Landscapes
Globalization, Development, and Poverty
Human Ecology
Introduction to Renewable Energy
Marine Ecology
Natural Resources
Physical Geography
Vertebrate Zoology
Watershed Science



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Environmental Studies cont'd

Environmental Studies Faculty

George P. Kraemer, PhD, University of California, Los Angeles

Susan Letcher, PhD, University of Connecticut, Storrs

Ryan Taylor, PhD, Oregon State University

David Yozzo, PhD, University of Virginia

Contributing Faculty

Casey Haskins, PhD, University of Pennsylvania (Philosophy)

Sanford Ikeda, PhD, New York University (Economics)

Matthew Immergut, PhD, Drew University (Sociology)

Keith Landa, PhD, University of Michigan, Ann Arbor

Connie Lobur, PhD, Rutgers University (Political Science)

Maryann McEnroe, PhD, University of California, Davis (Biology)

Representative Alumni

John Brasino '78, PhD, University of Wisconsin, Madison; founder and former principal engineer, Environmental Partners, Inc.

Carolyn Cunningham '77, JD, Pace University School of Law; consultant, Natural Resources Defense Council

Shelli Dubay '93, PhD, University of Wyoming; assistant professor of natural sciences, University of Wisconsin, Stevens Point

John Fusco '98, lieutenant, U.S. Navy Reserve, and intelligence analyst, New York State Division of Homeland Security and Emergency Services—Office of Counter Terrorism

Louis Iannacchino '99, environmental underwriter, Hudson Insurance Group

Patrick Limber '03, MS, University of California, Santa Cruz; PhD student and research fellow in earth and ocean sciences, Duke University

Scott V. Ollinger '89, PhD, University of New Hampshire; associate professor, Institute for the Study of Earth, Oceans, and Space, Department of Natural Resources and the Environment, University of New Hampshire

Donald Pierson '78, PhD, Uppsala University (Sweden); section chief, Water Quality Modeling, New York City Department of Environmental Protection

Lindsay Randall '07, MA student in political management, George Washington University; special assistant, White House Council on Environmental Quality

Ronald F. Robbins '84, MA, SUNY College of Environmental Science and Forestry; resource conservation specialist, Headquarters Environmental Policies and Programs Office, U.S. Postal Service

Jeff Rumpf '86, MS.Ed, University of Northern Illinois; executive director, The Clearwater Project, the nonprofit environmental organization founded by legendary folk singer Pete Seeger

Carl Safina '77, PhD, Rutgers University; prominent ecologist and marine conservationist; cofounder and president, Blue Ocean Institute; founder of the Living Oceans Program and former vice president for ocean conservation, National Audubon Society

Gregory R. Saracino '01, JD, Pace University School of Law; senior associate at Milber, Makris, Plousadis & Seiden LLP

Tonia L. Selmeski '00, MA (marine affairs), University of Rhode Island; coastal permitting and enforcement analyst, Office of Long Island Sound Programs, CT Department of Environmental Protection

Mackenzie S. Schoonmaker '04, JD, Pace University School of Law; associate with a general environmental, litigation, and regulatory practice, Beveridge and Diamond, PC, Washington, DC

David Yozzo '87, PhD, University of Virginia; research scientist and senior program manager, Barry A. Vittor & Associates, Inc.



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Mathematics & Computer Science

Program Description

Mathematics and computer science play a role of unprecedented importance in contemporary society. Purchase College students who major in mathematics/computer science are introduced to the principal areas of these disciplines, with an emphasis on applications. While the major requirements include some choices, all students acquire a strong foundation in the traditional areas of both disciplines. In addition, students can gain important experiences as network administrators, webmasters, and technical assistants for courses and projects in the School of Natural and Social Sciences at Purchase College, and by completing off-campus internships. Student work has appeared in the *Annals of Discrete Math*, *Graph Theory Notes of NY*, and *Journal of Computing at Small Colleges*.

The Mathematics/Computer Science Program offers an excellent preparation for graduate work and careers in a wide variety of professions, including teaching, software development, systems analysis, multimedia, and financial analysis. Recent graduates are successfully pursuing advanced degrees at such institutions as Columbia University, Binghamton University, and the CUNY Graduate Center. They are also engaged in a range of careers, from education to the finance and computer industries.

Mathematics & Computer Science Faculty

William H. Flank, PhD, University of Delaware
Martin Lewinter, PhD, City University of New York
Jeanine Meyer, PhD, New York University
Peter Ohring, PhD, University of Colorado
Irina Shablinsky, PhD, St. Petersburg State University (Russia)

Research Faculty

Joel Tenenbaum, PhD, Harvard University

Requirements for the Major

Calculus I, II & III
Computer Science I & II
Linear Algebra
Discrete Mathematics or Differential Equations
Four upper-level electives in mathematics/
computer science; one of these electives may be
fulfilled by a tutorial or independent study
Two science courses
Mathematics Senior Seminar I & II
Senior Project

Representative Elective Courses

Computability
Creating Databases for Web Applications
Creating Dynamic Web Documents
Creating User Interfaces
Games for Change
Graph Theory with Applications
History of Mathematics Seminar
Informatics in Biology and Medicine
Introduction to Physical Computing: Getting
Outside the Box
Networking and Security
Numerical Analysis
Robotics
Social Software
Topics in Advanced Mathematics

Representative Alumni

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Mathematics & Computer Science cont'd

Representative Alumni

Amy Billig '90, teaches mathematics and computer science at Valhalla High School, Valhalla, NY; cited in *Who's Who Among America's Teachers* (6th ed.)

Timothy Bocchi '93, PhD, City University of New York; assistant professor of mathematics and physics, Alfred State, SUNY College of Technology

Kerry Bosworth '99, software engineer, IBM System and Technology Division

Anthony Delgado '10, PhD student in mathematics, New York University

Dane Haliday '04, NT engineer, IBM

Marvin Littman '94, associate professor of mathematics, Westchester Community College

Julia Mosenkova '04, quality engineer, Kaspersky Labs, Moscow

Yumiko Muramatsu '96, vice president and global head of account management in GSAM Operations, Goldman Sachs Asset Management

Mariusz Sabath '98, senior software engineer, IBM Watson Research Center, and inventor with multiple U.S. patents

Michael Schlachter '05, senior software developer and technical support supervisor, Datacap, Inc.

Helene R. Tyler '93, PhD, Syracuse University; associate professor of mathematics and computer science, School of Science, Manhattan College

Immanuel Utomo '05, MS, Northeastern University; system and software technician, Archemix, Cambridge, MA

William Widulski '87, MS, Polytechnic University; associate professor of computer science, Westchester Community College; co-author, *The Saga of Mathematics: A Brief History*



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Political Science

Program Description

Political science is known as the study of laws and governments, yet it includes much more. Why did the U.S. invade Iraq? Why do many U.S. citizens feel animosity toward immigrants? What are the advantages and disadvantages of globalization for developing countries? In what manner are human rights abused around the globe, and what can be done about it? What are the causes and consequences of political violence and state terrorism? What are the political aspirations of citizens in Muslim-populated countries? These are a few of the many interesting questions that a political science student explores at Purchase College.

The Political Science Program offers students the opportunity to engage in a variety of courses in American, comparative, and international politics. Students also study age-old political questions concerning equality, rights, and justice and learn how to conduct political science research.

The Political Science Program closely collaborates with other interdisciplinary programs at Purchase College, including Latin American studies, environmental studies, and gender studies. Because politics are intertwined with economic and social issues, many students choose to double-major in economics, sociology, history, or journalism. Members of the political science faculty have broad and diverse backgrounds, have won numerous awards, and have published more than 50 books and articles.

The major in political science is particularly designed for students who (1) are interested in exploring different social and political issues by taking a range of American and internationally-based courses, or (2) want to have a focused study of human rights or Islam and the Middle East.

Representative Elective Courses

Please see the reverse side.

Requirements for the Major

Introduction to U.S. Politics
Political Theory I or II
Research in Political Science
An economics course
Two courses in U.S. politics and law at the 2000 level or above
Three courses in comparative politics and international relations at the 2000 level or above
Senior Project in Political Science

Optional Concentrations

Islam and the Middle East
Human Rights

Political Science Faculty

Shemeem Burney Abbas, PhD, University of Texas, Austin

Zehra F. Kabasakal Arat, PhD, Binghamton University, State University of New York

Karen Baird, PhD, University of Houston

John Gitlitz, PhD, University of North Carolina, Chapel Hill

Karen Kramer, MA, Columbia University

Connie Lobur, PhD, Rutgers University

Peter Schwab, PhD, New School for Social Research

Representative Alumni

Please see the reverse side.



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Political Science cont'd

Representative Elective Courses

America on Film
American Constitutional Law
Citizens Living Under Islamic Laws
Constitutions and Rights: U.S. and China
Contemporary Revolutions
Courts, Judges, and Politics
Cuba and the U.S.
Development and Politics of Latin America
Environmental Justice
Gender and Health: International Issues
Gender Politics and Islam
Globalization, Development, and Poverty
Government and Politics Worldwide
Health Care Crisis
Human Rights
Immigration Debated: A Seminar
Immigration: Policy, Problems, and Politics
Introduction to International Relations
Islam: Culture and Politics
Money, Power, and Democracy
Political Protest and Ideologies
Politics and Memoir
Politics and Religion in America
Politics of South Asia
Presidential Politics
Race and Politics
Race, Gender, and the Law
Sex, Politics, and Health
The Islamic State, Heresy, and Freedom of Speech
The Dominican Republic: Between Latin America and the U.S.
The Middle East
The Nature and Function of Law
United States/Latin American Relations
U.S. Foreign Policy Since 1945
West African Politics and Literature
Women and Politics
Women in Developing Countries
Women's Rights as Human Rights

Representative Alumni

Susan L. Biro '80, JD, Washington College of Law; chief administrative law judge, Environmental Protection Agency, Washington, DC
Kat Callo '81, MSc., London Business School; international strategy consultant, writer, and leading advocate of leaseholder rights in England and Wales; founding director, Rosetta Consulting Ltd., London
James Cruickshank '86, research and development manager, Real Estate Assessment Center, U.S. Dept. of Housing and Urban Development (HUD)
John Cruickshank '86, senior program analyst, National Science Foundation, Washington, DC
Anna E. Darr '06, JD, Southwestern Law School; litigation associate, Vanderford & Ruiz, LLP
I. Braun Degenshein '84, JD, University of California, Hastings College of the Law; entertainment and intellectual properties attorney, Oakland, CA
Abel Ferrara '73, noted screenwriter and director; his filmography includes *King of New York*, *Bad Lieutenant*, *The Addiction*, and *The Funeral*; honored at the Miami International Film Festival's Career Achievement Tribute in 2009
Regis Goodwin '95, litigation/legal assistant, Simpson Thacher & Bartlett LLP
Risa Bell Hoag '85, president, GMG Public Relations, Inc., Nanuet, NY
Jeffrey W. Nesich '77, director of administration, New York State Division of Parole
Susan Spencer '91, associate director for consumer relations—Asia, Procter & Gamble



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Premedical Studies

Program Description

The Premedical Studies Program at Purchase College is designed to prepare students for graduate studies in medicine, dentistry, veterinary medicine, and other allied health fields. The School of Natural and Social Sciences offers a comprehensive array of preparatory courses, individual premedical advising by natural sciences faculty, internship opportunities, independent studies, and senior projects. These provide students with broad areas of research and clinical exposure, as well as guidance and assistance with the process of application to professional schools.

Most premedical students major in a natural science discipline like biology, chemistry, or psychology. However, students may major in any field of study while completing the prerequisite science courses before applying to professional schools. Many students who already hold a baccalaureate degree in another field also enter the Premedical Studies Program to complete the courses required for admission to professional schools.

Representative Alumni

Tatiana Barton '88, DDS, MPH, dentist, Stamford, CT

Gina Blevins '98, DVM, equine veterinarian, The Plains, VA

Elizabeth A. Bundock '92, MD, PhD, Rosalin Franklin University of Medicine and Science; deputy chief medical examiner, Vermont Department of Health

Christyna Faulkner '03, MD, radiology resident, Dartmouth-Hitchcock Medical Center

Joshua S. Fink '82, MD, fellow of the American College of Chest Physicians; medical practice in Mount Kisco, NY

Robert A. Herman '79, MD, staff psychiatrist, University of Maryland, College Park

Juan A. March '85, MD, professor and chief of the Division of Emergency Medical Services, The Brody School of Medicine, East Carolina University

Vladimir "Zev" Orentlikher '09, dental student, University of Buffalo Dental School

Bruce Peterson '97, MD, pathologist, Mount Sinai Medical Center, Bronx, NY

Christopher L. Reilly '85, MD, general and laparoscopic surgeon, West Houston Medical Center, Houston, TX

Matthew Zorn '98, ND, naturopathic doctor specializing in homeopathy, Portland, OR

Requirements for the Program

General Biology I & II

General Chemistry I & II

Organic Chemistry I & II

Introductory Physics I & II

Mathematics through Calculus

One year of English

Clinical experience or internship

Research experience (i.e., Senior Research Project)

Additional biology and/or chemistry courses are strongly recommended.

After the required coursework is completed, a professional aptitude examination (MCAT, VCAT, DAT, or GRE) is taken, ideally in April of the junior year. Applications to professional schools should be completed during the summer or early in the fall of the senior year.

Premedical Studies Faculty & Advisors

Biochemistry and Chemistry:

Frank Bellevue, PhD, Rensselaer Polytechnic Institute

Taina Chao (emerita), PhD, Texas A&M University

Joseph Skrivanek, PhD, Pennsylvania State University

Biology:

James G. Daly, PhD, University of Guelph, Canada

Lee Ehrman, PhD, Columbia University

Jan Robert Factor, PhD, Cornell University

Maryann McEnroe, PhD, University of California, Davis

Joanne Kivela Tillotson, PhD, Michigan State University

Mathematics and Physics:

Irina Shablinsky, PhD, Leningrad State University



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Psychology

Program Description

Psychology is the study of behavior and experience. As such, it includes topics as diverse as emotion, cognition, personality, social processes, behavioral neuroscience, psychopathology, and development. The Psychology Program at Purchase College offers basic and advanced courses, as well as research opportunities, in all of these areas. Regardless of the subject matter, there is a strong emphasis on the use of scientific methodology to pursue knowledge.

Many of our graduates pursue graduate training in psychology, social work, education, neuroscience, medicine and/or law; others want a broad-based liberal arts education in psychology, but do not pursue advanced work after graduation. The psychology major is designed to serve the needs of both types of students. Additional information is available at www.purchase.edu/sciences.

Representative Elective Courses

Adolescent Psychology
Child Development
Cognitive Development
Cognitive Psychology
Development of Language
Developmental Psychopathology
Health Psychology
Human Memory
Human Neuropsychology
Personal/Social Relationships
Physiological Psychology
Psychological Perspectives on the Self
Psychology of Emotion
Psychology of Music
Psychology of Personality
Psychology of Stigma
Psychology of Stereotypes, Prejudice, and Discrimination
Psychology of Terrorism
Sensation and Perception
Social Cognition
Social Development
Social Issues in Developmental Psychology
Social Psychology
Sports Psychology

Requirements for the Major

Introduction to Psychology
Behavioral Statistics
Experimental Psychology
Physiological Psychology
Five elective courses in psychology (at least four must be upper level)
General Biology I or General Biology II or Human Anatomy and Physiology I
One course in philosophy
One course in anthropology or sociology
Psychology Junior Seminar
Psychology Senior Seminar I & II
Senior Project in Psychology

Psychology Faculty

Linda Bastone, PhD, City University of New York
Meagan Curtis, PhD, Dartmouth College
Peggy De Cooke, PhD, University of Pittsburgh
Ronnie Halperin, PhD, City University of New York
Suzanne Kessler, PhD, City University of New York
Anthony Lemieux, PhD, University of Connecticut
Paul Siegel, PhD, Adelphi University
Karen Singer-Freeman, PhD, University of Minnesota
Lynn Winters, PhD, New School for Social Research
Nancy Zook, PhD, Colorado State University

Representative Alumni

Please see the reverse side.



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Psychology cont'd

Representative Alumni

Dina Artzt '82, MA, Teachers College, Columbia University; senior vice president—investments, UBS Financial Services, Inc.

Stephanie Columbia-Mueller '96, MSW, Fordham University; youth and family social worker

David Frost '03, PhD, Graduate Center, City University of New York; assistant professor, Dept. of Sexuality Studies, San Francisco State University

Michael Gayle '86, PhD, SUNY Stony Brook; associate professor of psychology, College of Liberal Arts and Sciences, SUNY New Paltz

Kay Germano '06, PhD candidate, Fordham University

Nina Gottlieb '06, PsyD, Yeshiva University; intern, Veterans Affairs New York Harbor Healthcare System Brooklyn Campus

Rosemary Greene '05, JD, Northwestern University

Elizabeth Gruskin '92, MPH, DPH, University of California, Berkeley; research scientist, Division of Research, Kaiser Permanente Northern California

Elizabeth Hartley '07, MBA, PhD student, University of Massachusetts Dartmouth; legal intern, Mass Bay Law Associates

Daniel Jacobson '08, graduate student, MA program in industrial organization, Hofstra University

Ildiko Juhasz '05, MA (early childhood education), Hunter College, City University of New York

Rachel Kallen '00, PhD, University of Connecticut; assistant professor of psychology, University of Cincinnati

Joe Khanna '92, JD, SUNY Buffalo School of Law; vice president/business leader, core products, communications and marketing counsel, MasterCard

Amy Malkin-Ingoglia '95, PhD, University of Maryland; clinical psychologist and military sexual trauma coordinator, Veterans Affairs New York Harbor Healthcare System Brooklyn Campus

Ronen Marmor '90, MD, PhD, Einstein College of Medicine; rheumatologist, Mount Kisco Medical Group

David Mednick '84, PsyD, Yeshiva University; clinical neuropsychologist, Mednick Psychological Consulting and Clinical Services, LLC; clinical psychologist and co-director of student counseling and psychological services, Fairleigh Dickinson University

Susan Nappi (Krasnicki) '93, MPH, Yale University; practice administrator for the Griffin Faculty Practice Plan, Griffin Hospital (GFPP); research associate/project coordinator, Yale University

Krystal Perkins '02, PhD, Graduate Center, City University of New York; assistant professor of psychology, University of West Georgia

Philip Santoro '97, MS, Queens College, City University of New York; school psychologist

Kyle Saud '10, graduate student, MA program in criminal justice, John Jay College of Criminal Justice, City University of New York

Jason Van Ora '01, PhD, Graduate Center, City University of New York; assistant professor of psychology, Kingsborough Community College

Gavin Walsh '07, MS in quantitative finance, Fordham University



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Sociology

Program Description

Do you want to create a better world? Are you fascinated by such topics as race, social class, gender, globalization, the environment, education, social work, or social change? These subjects and others that deal with social relationships, culture, and the nature of society comprise the discipline of sociology. As a broad and eclectic field of inquiry, sociology uses many different approaches, ranging from cultural and historical studies to survey research.

The sociology major at Purchase College is designed to give students maximum exposure to the breadth of the field. Optional concentrations—Globalization, Communities, Social Change; Social and Health Advocacy; and Education and Society—allow students to focus on a particular area of interest.

What can you do with a degree in sociology? Opportunities exist in both the private and public sectors in the fields of social advocacy, social work, human service, education, business, law, criminal justice, social science research, and community relations. (For more detailed information about career opportunities, visit the American Sociological Association at www.asanet.org.)

Sociology Faculty

Leslie M. Brody, PhD, Emory University

Richard Gioioso, PhD, Florida International University

Matthew Immergut, PhD, Drew University

Chrys Ingraham, PhD, Syracuse University

Kristen Karlberg, PhD, University of California, San Francisco

Wendy McKenna, PhD, City University of New York

Lisa Jean Moore, PhD, University of California, San Francisco

Veronica Perera, PhD, New School for Social Research

Alexis Maxine Silver, PhD, University of North Carolina

Contributing Faculty

Mary Kosut, PhD, New School University (Media, Society, and the Arts)

Representative Alumni

Please see the reverse side.

Requirements for the Major

All students majoring in sociology take the following courses, plus an additional four to five courses in the student's chosen concentration:

Introduction to Sociology

Proseminar in Sociology

Research Methods

Sociological Theory

One internship, study-abroad opportunity, or community-action independent study, chosen in consultation with the faculty advisor

Sociology Junior Seminar

Senior Project in Sociology

Concentration 1: Sociology (general major)

At least four sociology electives, chosen from specified courses in the following three groups: Sociological Perspectives on Individual Behavior, Social Institutions, and Inequality and Change

Concentration 2: Globalization, Communities, Social Change

Three electives chosen from a specified list, including at least one upper-level course
Plus one of the following courses:

Race and Ethnicity

Sociology of Gender

Class, Power, Privilege

Concentration 3: Social and Health Advocacy

Three electives chosen from a specified list, including at least one upper-level course
Plus two of the following courses:

Human Sexuality

Race and Ethnicity

Sociology of Gender

Class, Power, Privilege

Conflict Management and Mediation

Concentration 4: Please the reverse side.



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Requirements for the Major (continued)

Concentration 4: Education and Society

Three electives chosen from a specified list, including at least one upper-level course

Plus two of the following courses:

Race and Ethnicity

Sociology of Gender

Class, Power, Privilege

To Enjoy Our Freedom: African-American History Since 1865 *or*

Race, Ethnicity, and Identity in the U.S.

An additional writing course is recommended for students in Concentration 4.

For the lists of specified elective courses, please visit www.purchase.edu/sociology.

Representative Elective Courses

Birth and Death

Communities, Ethnicities, and Exclusion

Community Organizing, Action, Service

Conflict Management and Mediation

Cultural Activism in Latin America

Environment and Society

Families, Communities, Cultures

Globalization, Culture, Social Change

Global Social Movements

International Migration Today

Public Sociology

Religion, Culture, and Society

Science, Medicine, Culture

Sex, Politics, and Health

Society and Public Policy

Social Entrepreneurship

Social Organizations

Sociology of Education

Sociology of the Body and Embodiment

The Arts for Social Change

Urban Sociology

Representative Alumni

Carol Dallinga '80, MSW, Hunter College, City University of New York; licensed clinical social worker; full-time psychotherapy practice in Ardsley, NY

Stephen Duncombe '88, PhD, Graduate Center, City University of New York; associate professor, Gallatin School, New York University

Amy Bromberg Funk '77, JD, Yale University; founding member of staff, Smart Information Flow Technologies (SIFT); senior counsel, Target Corporation, Minneapolis

Marci Gurton '02, director of development, Habitat for Humanity of Greater Newburgh

Jessica Hentoff '77, artistic and executive director, Circus Harmony; president, Everydaycircus

Audrey Hutchinson '77, program director, Education and Afterschool Initiatives, National League of Cities, Washington, DC

Mary E. Kane '73, film producer; credits include *King of New York*, *Bad Lieutenant*, *The Funeral*, and *If These Walls Could Talk 2*

Antonio Pagliarulo '02, author, *A Different Kind of Heat* and *The Celebutantes* young adult fiction series (Random House, Inc.)

Jeffrey K. Salkin '76, DMin, Princeton University; senior rabbi of The Temple in Atlanta; noted activist in Reform Judaism and award-winning author



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