



COLLEGE OF ARTS & SCIENCES

ENDLESS POSSIBILITIES

start here.

www.as.miami.edu

UNIVERSITY OF MIAMI COLLEGE OF ARTS & SCIENCES • 2019-2020

MAJORS & PROGRAMS IN THE COLLEGE OF ARTS & SCIENCES

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SCAN TO READ
THE COLLEGE OF
ARTS & SCIENCES
STRATEGIC PLAN



About the College



"In the College of Arts & Sciences, options are endless. This booklet was created to help you discover the flexibility of our curriculum and the opportunities that will motivate, challenge, and inspire you to achieve your goals."

DR. LEONIDAS G. BACHAS
DEAN OF THE COLLEGE OF ARTS & SCIENCES



"The University of Miami offers students a uniquely global experience in a culturally rich learning and living environment. The College of Arts & Sciences offers a comprehensive array of academic pathways with exciting opportunities for multidisciplinary study and cutting-edge research."

DR. JULIO FRENK
UNIVERSITY OF MIAMI PRESIDENT

BY THE NUMBERS

20
DEPARTMENTS



15+
PROGRAMS
[10 OF WHICH ARE
INTERDISCIPLINARY]

38
MAJORS

46
MINORS

APPROXIMATELY
4,000
UNDERGRADUATES

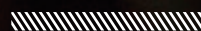
Approximately
40%
OF UM
UNDERGRAD
STUDENTS



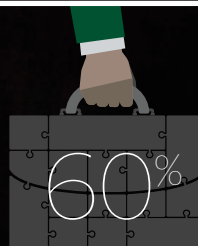
Make their scholarly
home in the College



MORE THAN
450



Full-time faculty
in the College



Students participate in
internships, research, and/
or independent studies

10+

Undergraduate
Academic Advisors
dedicated to
A&S students

13 RESEARCH
FACILITIES

These **Core Facilities** allow
centralized access to specialized
equipment and services, provid-
ing cutting-edge technologies,
reagents, and special products
needed to conduct high-quality,
interdisciplinary research.

A&S Programs of Distinction

THESE OPPORTUNITIES WILL PUSH
THE LIMITS OF YOUR KNOWLEDGE
BOTH IN THE CLASSROOM
AND BEYOND.

+ denotes program is by invitation only

A&S Research Opportunities

The College of Arts & Sciences (A&S) is the hub for undergraduate research at the University of Miami. Through a unique combination of mentorship, exploration, and rigorous scholarship, as an undergraduate in the College you will be encouraged to push the limits of your knowledge beyond the classroom, test hypotheses, and generate new ideas. Research opportunities unique to A&S students include:

- >> "Beyond the Book" Scholarships for Research-Based Learning
- >> Lois Pope Neuroscience Summer Scholarship
- >> PRIME Summer Research Scholarship
- >> Honors Summer Research
- >> Summer Research Program for Underrepresented Minorities & Women



da Vinci Program+

Inspired by the artist, humanist, and scientific genius Leonardo da Vinci, this program encourages you to explore the interdisciplinary connections between the arts, humanities, and sciences by emphasizing the distinctive elements that humanities classes can offer.

Departmental Honors Program

The Departmental Honors Program provides you with opportunities to intensify and deepen your knowledge of a major, to permit you closer associations with professors, and to prepare you for research, thesis preparation, and other work at the graduate level.

Directed Independent Language Study (DILS)

The Directed Independent Language Study program gives you the opportunity to study languages not currently offered through traditional classroom instruction by pairing you with a native speaker. You will gain linguistic and cultural competence through conversation in the language and improve your ability to adapt to new linguistic and cultural environments.

First-Year Seminars

Small courses exclusively for first-year students in the College of Arts & Sciences. Courses are created and taught by distinguished faculty and are designed to introduce first-year students to the breadth, depth, and interconnectivity of the liberal arts.

Foote Fellows Honors Program+

The Foote Fellows Honors Program exempts you from the Cognates Program of General Education requirements. As a Foote Fellow, you can explore a multitude of educational resources, which many leverage into an opportunity to take additional majors and/or minors and to study abroad.



Howard Hughes Medical Institute (HHMI) Program+

If you are an underrepresented minority student interested in scientific discovery and research, the Biology and Chemistry Departments offer a unique undergraduate research program initiated with funding from the Howard Hughes Medical Institute Undergraduate Science Education Program. You will have the opportunity to participate in interdisciplinary research projects as part of your introductory lab coursework.

Pre-Health Tracks

The Pre-Health tracks, including the Pre-Med track, prepare you for entering medical or graduate school by providing academic, career, and school application advising.

Pre-Law Track

The Pre-Law track gives you the option of majoring in any field while simultaneously preparing to enter law school. Services include academic advising, information on law schools, and LSAT practice workshops.

Program for Integrated Science and Math (PRISM)+

PRISM brings together the top freshmen interested in the natural sciences. PRISM classes are advanced versions of the typical track done by a freshman natural science student. It's a vibrant learning environment that includes special events, small inquiry-based labs, and academic support.

The Undergraduate Neuroscience Society

Whether or not you are a neuroscience major, The Undergraduate Neuroscience Society encourages you to explore the rapidly expanding field of neuroscience through organizing seminars with leading scientists and doctors, round-table discussions on current research, intercollegiate conferences, and a mentor program.



Dual Degrees and 4+1 Programs

THESE PROGRAMS ARE DESIGNED TO HELP YOU
OBTAIN BOTH YOUR UNDERGRADUATE AND GRADUATE
DEGREES IN AN ACCELERATED TIME FRAME.

Biochemistry & Molecular Biology

The Dual-Degree Program in Biochemistry & Molecular Biology is offered to students with strong academic ability and achievement who seek careers in the biological or biomedical sciences. You can earn both a Bachelor of Science (B.S.) and a Doctor of Philosophy Degree (Ph.D.) in approximately 6 years.

Biology

This joint degree program allows you to concurrently work on your B.S. and M.S. in Biology degrees in just five years. This accelerated research-based program can put you well in your way to a career in the biological sciences and give you a competitive edge on your medical school application.

Chemistry

In only five years, you can complete both a Bachelor of Science (B.S.) and a Master of Science (M.S.) degree in Chemistry. Highly qualified graduates go on to careers in chemical and pharmaceutical fields, as well as health professional and Ph.D. programs.

Computer Science

The Department of Computer Science offers a research-based 5-year BS/MS degree. This accelerated program provides you with research training and preparation to work in a computing research lab, or possibly continue to your doctoral studies.

Fellows in Latin American Studies (FILAS)

In this highly selective Honors Program, you can complete a dual degree (B.A./M.A.) in Latin American and Caribbean Studies in just five years. And, you get \$3,000 in travel support for studies in the region.

Law

The 6-year, Dual-Degree Program in Law is an exciting opportunity for students interested in earning a law degree at the University of Miami. Through this program, you may complete any undergraduate major within the College of Arts & Sciences and are admitted to graduate study in the School of Law.

Mathematics & Mathematical Finance

This integrated program allows you to complete your BS degree in Mathematics (Probability/Statistics track) and a Master's of Science in Mathematical Finance in only five years, putting you on track for a career in economics, finance, or data science..

Political Science & Public Administration

You can earn your Master of Public Administration (M.P.A.) degree in only 36 credits with one additional year of work after completing a B.A. in Political Science. The five-year program at UM is a financially competitive alternative to other programs that require two-years to complete the M.P.A. Graduates have gone on to successful careers in all three areas of public service: government agencies, non-profit organizations, and private vendors.



A&S Centers and Institutes

Abess Center for Ecosystem Science and Policy

The mission of the Leonard and Jayne Abess Center for Ecosystem Science and Policy is to create innovative, interdisciplinary initiatives that bridge the gap between science and environmental policy.

Center for Autism and Related Disabilities (CARD)

Volunteer opportunities await you at CARD, an outreach and support center dedicated to optimizing the potential of people with autism spectrum disorder and related disabilities. The Center uses modern research to provide expert support for over 9,000 families in South Florida.

Center for the Humanities

The Center for the Humanities serves as a great resource for you while at the University. It organizes a distinguished speaker series of lectures on topics in the humanities, as well as workshops and seminars for fostering research, teaching, and career success among humanities scholars.

European Union Center

The European Union Center is where you can learn about the European Union and its institutions. The Center's Miami location uniquely suits its focus on triangular transatlantic relations between Europe, the United States, and Latin America.

Frost Institute of Chemistry & Molecular Science

Established in the spring of 2017 as a result of a transformative \$100 million gift from Phillip and Patricia Frost, the Frost Institute of Chemistry and Molecular Science (FICMS) is the first one within a group of synergistic research institutes to be coordinated under the umbrella of the Frost Institutes for Science and Engineering.

Institute for Advanced Study of the Americas

The University of Miami Institute for Advanced Study of the Americas is an interfaculty, interdisciplinary institute promoting enhanced human, economic and social development within and across the Hemisphere through research, teaching, convening, communicating and incubating innovative projects. Its mission is to build a thriving Institute that creates and shares knowledge bridging the Americas, strengthening the myriad areas of the University of Miami undertaking research pertaining to the Hemisphere.

Institute for Theoretical and Mathematical Ecology (ITME)

ITME represents the combined efforts of faculty from the College of Arts & Sciences and the Rosenstiel School of Marine and Atmospheric Sciences. Its focus is on research and pedagogy at the interface of mathematics and ecology.

CARD



Zebrafish Core Facility



Lowe Art Museum



Frost Building Rendering



Jerry Herman Ring Theatre

"The Ring" is the student theatre of the University of Miami. The name grew out of the company's first in-the-round performance which placed the audience in a "ring" around the stage. The Ring has total flexibility and is able to offer three different kinds of staging as well as three seating arrangements. It houses the Alvin Sherman Family Stage and provide student productions from the Department of Theatre Arts throughout the year.

John C. Gifford Arboretum

Take a walk through the John C. Gifford Arboretum, home to hundreds of plants of both local and global origin. You will be amazed by the botanical abundance that inspires interest in tropical botany and understanding of the history and importance of the plant world.

Linda Ray Intervention Center (LRIC)

The LRIC provides research-infused early intervention services to babies and toddlers with developmental delays, including parenting programs, Child-Parent Psychotherapy, and specialized services for teen parents.

Lowe Art Museum

The Lowe Art Museum is a cultural fixture in the South Florida art community. You will be overwhelmed by its 17,500-object collection, which is one of the most important in the South East, with strengths in Renaissance, Baroque, American, Ancient, Native American, and Asian art.

Wynwood and College of Arts & Sciences (CAS) Galleries

Present your best art piece at the Wynwood Gallery and CAS Gallery. The CAS Gallery is located on the Coral Gables Campus, while the Wynwood Gallery is located in Miami's up-and-coming art district, Wynwood.

Zebrafish Core Facility

The aim of the College of Arts and Science Zebrafish Core Facility is to provide the University of Miami and South Florida communities with zebrafish embryos, larvae and adult zebrafish for research and teaching.





ENDLESS POSSIBILITIES START HERE

www.as.miami.edu/possibilities





MAJORS IN ARTS & SCIENCES

Africana Studies
American Studies
Anthropology
Art*
Art History
Biochemistry &
Molecular Biology
Biochemistry & Nutrition
Biology*
Chemistry*

Classics*
Computer Science *
Criminology
Economics **
Ecosystem Science & Policy*
English *
French
Gender and Sexuality Studies
Geography and
Regional Studies*

History
Independent
International Studies
Judaic Studies
Latin American Studies
Mathematics *
Microbiology &
Immunology
Neuroscience
Philosophy

Physics *
Political Science
Psychology
Public Administration
Religious Studies
Religion and Healthcare
Sociology
Spanish
Theatre Arts*

*Student must specify a track within a major.

**Please see academic bulletin.

Africana Studies

COULD THIS BE U?

MAJORS TYPICALLY
PURSUE GRADUATE STUDY
IN HISTORY, POLITICAL
SCIENCE, ANTHROPOLOGY,
THEATRE, LAW, OR ENGLISH.

LEARNING ABOUT THE EXPERIENCES OF PEOPLE OF AFRICAN descent in North and South America, the Caribbean, continental Africa, and Europe is only a portion of what you will learn from the Africana Studies Program (AAS).

This vital program examines the historical and social experiences of Africans and people of African descent on all sides of the Atlantic basin, with a special emphasis on the United States. It also provides a thorough interdisciplinary study about the experiences of Africans and African-descended peoples around the world.

The Africana Studies Program will also propel you to think critically about the global black experience, and prepare you for graduate work and future professional careers.

www.africana.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in Africana Studies:

African-American History Since 1896 (HIS 210)

Middle America and the Caribbean (GEG 212)

Black Leadership in the U.S. (AAS 350)



American Studies

THE UNITED STATES OF AMERICA CONTAINS MULTITUDES, and understanding its complex cultural foundations and social aspects—from its origins to today—means studying it from many different viewpoints. The American Studies Program at the College of Arts & Sciences provides a unique and interdisciplinary exploration of the U.S.A. and its place in an increasingly interconnected world.

The goal of the American Studies Program is to examine the U.S. from multiple perspectives by highlighting its diverse people, cultures, and the experiences that have shaped the country. The program will also show you how the U.S. relates to other countries on a global scale.

The American Studies Program also draws on the resources of its surrounding international community. Miami is a melting pot of cultures and people from around the world; it's a community that truly illustrates how the American experience continues to evolve and grow.

www.americanstudies.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in American Studies:

The United States in the World
(AMS 310)

Topics in American Studies: Music (AMS 328)

History and Culture of South Florida (AMS 350)

COULD THIS BE U?

AMERICAN STUDIES
STUDENTS AND GRADUATES
ARE OFTEN EMPLOYED AS
INTERPRETERS, EXPLAINING
AN AGENCY'S OR
INSTITUTION'S FUNCTION,
PROJECTS, ACTIVITIES, OR
HISTORY TO THE PUBLIC.



Anthropology

WHEN DISSECTED, THE WORD ANTHROPOLOGY TELLS ITS BASIC PURPOSE. From the Greek *anthropos* (human being) and *logia* (science), it reveals the scientific study of humankind – reaching far into its past and diving deep into its present.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Anthropology:

Principles of Archaeology (APY 201)

The Sounds of the World's Languages (APY 230)

Drugs and Culture (APY 393)

If you have an inquisitive mind and are curious about the evolution of language, how humans lived on the planet hundreds of years ago, and if men and women are truly different, then a major in Anthropology is waiting for you.

Today, anthropological knowledge is used as a means to tackle problems faced in many sectors of society, from public health to economic development in third world countries. If anthropology interests you and you're also seeking a career in the medical professions, the department recently introduced a Medical Anthropology track with courses that address the anthropological views of health, health care, and wellness.

www.anthropology.as.miami.edu



COULD THIS BE U?

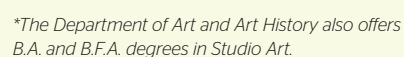
"BEING AN ANTHROPOLOGY MAJOR GAVE ME VALUABLE FIELD EXPERIENCE AND I WAS ABLE TO FIND AND BE ADMITTED TO MY TOP CHOICE GRADUATE PROGRAM. I AM WELL-PREPARED TO SUCCEED IN MY PURSUIT OF AN MSC IN FORENSIC ARCHAEOLOGY."

SARAH PRICE '18
ANTHROPOLOGY MAJOR



www.art.as.miami.edu

Tom is a Miami-based artist creating prints, book art, and public art.





Get a Glimpse

Here are some of the interesting courses you can take when you major in Art History:

Introduction to Museum Studies (ARH 225)

Islamic Art (ARH 260)

Spanish Art (ARH 270)

Art History

FROM ART OF PREHISTORIC TIMES TO WESTERN AND MODERN ART, a major in Art History will guide you through the eras of human creation and communication from an artistic perspective.

With a major in Art History, faculty will guide you through a comprehensive and rich curriculum focusing on the study of Western Art and continuing on to the study of art through the Middle Ages and the Renaissance era, and finally leading up to Modern Art.

As a student in the Art and Art History Department, you will be encouraged to participate in ArtLab @ the Lowe. This course is taught during the spring semester in collaboration with the Lowe Art Museum. A UM faculty member will guide you and your peers in creating an exhibition drawn from objects owned by the Lowe Art Museum – the exhibition remains on display until the following spring.

www.art.as.miami.edu

COULD THIS BE U?

CAREERS AVAILABLE FOR ART HISTORY MAJORS

- >> Gallery Curator
- >> Art Conservation and Restoration
- >> Museum Fundraising and Development
- >> Art Investment Consultant
- >> Museum Marketing and Public Relations
- >> Art Law and Law Enforcement
- >> Antique Dealer
- >> Museum Curator
- >> Art Adviser
- >> Auction House Researcher
- >> Art Appraiser

AWARD-WINNING

A&S FACULTY

DR. UBBO VISSER

Dr. Ubbo Visser is Associate Professor of Computer Science and an expert in artificial intelligence. Dr. Visser is responsible for overseeing research funded by over \$9 million in grants. Recently, he led the RoboCanes to second place at the RoboCup robotics and AI World Championship in Brazil.



EMPLOYMENT OF BIOCHEMISTS
AND BIOPHYSICISTS IS PROJECTED
TO GROW 19 PERCENT.

Biochemistry + Molecular Biology

BIOCHEMISTRY IS THE CHEMISTRY OF LIFE and it overlaps with other sciences such as biophysics, structural biology, cell biology, metabolism, neuroscience, nutrition, and genetics.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Biochemistry:

Chemistry for the Biosciences
(CHM 121)

**Principles of Experimental
Biochemistry Molecular Biology**
(BMB 402)

**Protein Structure,
Function, & Biology** (BMB 507)

It is a relatively young science, so expect to learn something new every day while studying at the University of Miami and participating in an undergraduate program that strives to provide you with a superior curriculum in Biochemistry and Molecular Biology.

www.bm.med.miami.edu/undergrad

**The Department of Biochemistry offers two tracks:
Biochemistry and Molecular Biology (BCHM) and
Biochemistry and Nutrition (BCHN).*

COULD THIS BE U?

AUDREY WINKELSAS '15
BIOCHEMISTRY MAJOR

A 2015 biochemistry graduate with minors in Journalism, History, Biology, and Chemistry, Winkelsas earned a prestigious NIH Oxford-Cambridge Fellowship (OxCam), which allows students to complete an individualized, research-based Ph.D. in four years.



Biochemistry + Nutrition

WHETHER YOU ARE INTERESTED IN WORKING FOR THE PHARMACEUTICAL INDUSTRY, applying to medical school, or continuing your education in graduate studies in the sciences, a major in Biochemistry and Nutrition will benefit whichever career or scholastic endeavor you seek.

www.bm.med.miami.edu/undergrad

Courses and faculty teachings provide you with preparation for professions in the health-related industries, from veterinary medicine to nutrition, clinical chemistry, dentistry, and toxicology.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Biochemistry and Nutrition:

Evolution and Biodiversity (BIL 160)

Chemistry for the Biosciences II
(CHM 221)

**Biochemistry of Food
and Nutrition** (BMB 417)

COULD THIS BE U?

EMPLOYMENT OF DIETITIANS
AND NUTRITIONISTS IS
PROJECTED TO GROW
21 PERCENT DUE TO
THE RECENT INTEREST
IN THE ROLE OF FOOD IN
PROMOTING HEALTH
AND WELLNESS.





Biology

THE DEPARTMENT OF BIOLOGY STRIVES TO PURSUE RESEARCH AND STUDY IN FOUR INTERACTIVE PROGRAMS: Neuroscience & Behavior, Development & Disease, Tropical Biology, and Ecology & Evolutionary Biology. It also delivers on its goal to offer a well-rounded undergraduate education that nurtures today's young scientists who grasp the scope and perspective of modern biology.

This undergraduate program speaks to you if you are interested in a natural science education that will prepare you for careers in biological research, medicine, and other health-related fields, as well as teaching, environmental management, and other careers that require a broad base of biological knowledge.

Consider entering the Honors in Biology Program, which allows you to work with a faculty member as you undertake their own original research and participate in intellectual discussions about the study with your fellow peers.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Biology:

Evolution and Disease (BIL 220)

Ecology in the Galapagos (BIL 432)

Electron Microscopy (BIL 554)

COULD THIS BE U?

"I LOVE THAT BIOLOGY STUDENTS AT UM HAVE IT ALL: ACCESS TO WORLD-CLASS RESEARCH FACILITIES, INCLUDING THOSE AT THE MARINE AND MEDICAL SCHOOLS, ALONG WITH THE FACULTY INTERACTION ONE MIGHT EXPECT AT A LIBERAL ARTS COLLEGE."

ERIC KEEN, '15
BIOLOGY MAJOR

www.biology.as.miami.edu

**The Department of Biology offers a B.S. degree and a B.A. degree*

Chemistry

IF YOU ARE FASCINATED BY THE FIELD OF CHEMISTRY and the prospect of studying in a growing department - in one of the most vibrant regions of the country - the Chemistry program is for you.

Chemistry directly impacts the areas of biology, biomedical and chemical engineering, forensics, geosciences, materials science, and toxicology, allowing you to earn a well-rounded education with emphasis on many other areas of study.

Studying the field of chemistry provides a solid foundation if your interests lie in science, medicine, technology, or any field requiring strong problem-solving and analytical skills. As an undergraduate, you will have the opportunity to expand your knowledge and gain hands-on experience through faculty-mentored research programs.

www.chemistry.as.miami.edu

**The Department of Chemistry offers a B.S. degree and a B.A. degree.*

COULD THIS BE U?

"MY CHEMISTRY MAJOR HAS PROVIDED ME WITH COUNTLESS OPPORTUNITIES TO CHALLENGE MYSELF ACADEMICALLY WHILE ALSO EXPOSING ME TO THE WONDERS OF SCIENTIFIC RESEARCH. IT HAS OPENED MY EYES TO THE VAST NUMBER OF OPPORTUNITIES FOR CHEMISTRY AND STEM MAJORS UPON GRADUATION.

ADAM LEVY '18
B.S. IN CHEMISTRY WITH HONORS

Get a Glimpse

Here are some of the interesting courses you can take when you major in Chemistry:

Organic Chemistry II (CHM 202)

Quantitative Analytical Chemistry (CHM 214)

The Chemistry of Food and Taste (CHM 317)

Supramolecular Chemistry (CHM 524)

Classics

CLASSICS IS AT THE CORE OF THE HUMANITIES. There is room in Classics for the study of fields as dissimilar as literature, science, sculpture, history, architecture, religion, philosophy, theater, economics, and music – in short, the entire panorama of the human endeavor.

If majoring in Classics, you will find yourself well-prepared for undertaking practically any type of career, whether that be in politics, law, medicine, teaching, publishing, journalism, banking, or the corporate world.

The core courses in Classics will introduce you to languages, literature, and history of the ancient world; the cross-listed courses, taught in other departments, provide access into the society, politics, art, archaeology, and architecture of antiquity. Studying the literary and material records of the ancient world allows you to confront today's many issues pertinent to modern Western culture and the modern world.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Classics:

Medical Terminology (CLA 211)

Ancient Greek and Roman Art (CLA 226)

Ancient Greek and Roman Law (CLA 232)

Plato (GRE 311)

Cicero (LAT 311)

www.classics.as.miami.edu

**There are four tracks for Classics majors: Greek, Latin, Latin and Greek, and Classical Civilization.*

COULD THIS BE U?

WITH A MAJOR IN CLASSICS,
YOU CAN SEEK A CAREER IN LAW,
GOVERNMENT, MEDICINE,
EDUCATION, JOURNALISM,
ADVERTISING, HUMAN RESOURCES,
MARKET RESEARCH, AND SALES.

» GREECE: CALYX KRATER

*(Mixing Bowl). 4th century BCE Pottery and paint
14 1/8" h. x 12 1/2" dia.*

Museum purchase through the 2011 Director's Circle, the Linnie E. Dalbeck Memorial Endowment Fund, the Thea Katzenstein Art Acquisition Endowment Fund, and the Lowe Art Museum Acquisitions Fund, 2011.5





Computer Science

A MAJOR IN COMPUTER SCIENCE CAN LEAD TO CAREERS in big technology firms, government agencies, start-up companies, or non-profits trying to establish technology in the most rural parts of the world. A major in Computer Science will prepare you for a successful career in a world that is now dependent on computers and smartphones.

From learning how to write software for computers to creating applications for smartphones, the skills you will learn from the faculty of the Department of Computer Science will prepare you for the career you seek in this technologically focused major.

As you begin your journey through the Computer Science course curriculum, you will meet faculty with strong accomplishments in the fields of applied cryptography, automated reasoning, bioinformatics, computational geometry, computational neuroscience, cybersecurity and secure computing, data science, machine learning & data mining, music information retrieval, robotics, and scientific computing.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Computer Science:

Introduction to Security in Cyber Space (CSC 116)

Data Structures and Algorithm Analysis (CSC 317)

Computer Networks (CSC 424)

Introduction to Artificial Intelligence (CSC 545)

COULD THIS BE U?

CAREERS AVAILABLE FOR COMPUTER SCIENCE MAJORS

- >> Chief Information Officer
- >> Software Architect
- >> Software Engineering Manager
- >> Program Manager
- >> Applications Development Manager
- >> Mobile Applications Developer

www.csc.as.miami.edu

**The Department of Computer Science offers a B.S. degree and a B.A. degree.*



Criminology

CRIMINOLOGY HAS BEEN DESCRIBED AS THE STUDY OF “MAKING OF LAW, BREAKING OF LAW, AND SOCIETY’S REACTION TO THE BREAKING OF LAW.” The Criminology curriculum at the College of Arts & Sciences includes a comprehensive treatment of the broad social and political system, which serves as the context for criminal justice, as well as a comprehensive understanding of the problems of crime.

While studying Criminology, you will be introduced to the program’s focus on scientific inquiry, abstract logical thinking, critical analysis, and historical consciousness. You will also learn about the nature and extent of crime, different types of crime, theories to explain crime, detailed analyses of the functions of the law, police, courts, and correctional systems, and the ways in which these are linked to broader aspects of society.

If you are interested in pursuing a graduate degree or a career in the fields of law, local and state criminal justice systems, or federal agencies, a major in Criminology will prepare you for these professional endeavors and continued study.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Criminology:

Criminal Justice (SOC 271)

Juvenile Delinquency (SOC 370)

Sociology of Drug Abuse (SOC 377)

COULD THIS BE U?

BRIAN A. YABLON '99

CRIMINOLOGY AND ENGLISH
VICE PRESIDENT OF IT OPERATIONS, SECURITY & FORENSICS LEADER AT DB TECHNOLOGY PARTNERS INC.

“My degree in Criminology from the College of Arts & Sciences at the University of Miami not only provided me with the basic skills needed to enter a specialized job training program in information security & forensics at a Fortune 100 company, but the general business acumen and confidence to network, interview, and land that job in one of the toughest markets, after the .com bust, and in the midst of one of the nation’s greatest tragedies. If it had not been for some of the core courses in public speaking, meeting preparation, and leadership, I would not be where I am today. The life foundation I took away with me has enabled me to always think and act like an owner, set goals, and establish a plan to meet and exceed those goals.”

A man with short brown hair and a light beard, wearing a white button-down shirt and dark blue jeans, is sitting on a stone ledge in front of a large, multi-tiered fountain. He is smiling at the camera with his hands clasped in his lap. The fountain has several jets of water spraying upwards. In the background, there are green trees and a stone wall with some inscriptions. The overall scene is outdoors and well-lit.

AWARD-WINNING

A&S FACULTY

DR. CALEB EVERETT

Dr. Caleb Everett is an Anthropological Linguistics Professor at the College of Arts & Sciences. His trail-blazing research focuses on the relationship between language, thought, and environment. He is a member of the inaugural class of Andrew Carnegie Fellows. This fellowship was awarded for his research on endangered languages, exploring the insights they offer us into human thought."

Economics

ECONOMICS STUDIES THE PRINCIPLES OF PRODUCTION, DISTRIBUTION, AND CONSUMPTION OF GOODS AND SERVICES.

Its attention stretches from the individual to decision-making processes of the consumer in a store and the global factors that drive the economies of entire nations.

The Economics curriculum at the College is designed to give you a broad understanding of economic theory and its application to a wide range of problems. With a major in Economics, you will be prepared for a professional career in the fields of law, business, international studies, public administration and public health, government, research organizations, and international agencies.

A key component of this program is the combination of faculty at the College of Arts & Sciences and the School of Business Administration.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Economics:

Economic Principles and Problems (ECO 212)

Micro Economic Theory (ECO 302)

Environmental Economics (ECO 345)

COULD THIS BE U?

CAREERS AVAILABLE FOR ECONOMICS MAJORS

- >> Banks and Investment Firms
- >> Government Organizations, i.e. the Federal Reserve Bank and the U.S. Department of Commerce
- >> Multi-national Organizations: International Monetary Fund and the World Bank

www.economics.as.miami.edu

**There are two tracks for a B.A. in Economics: Political Economy or Quantitative Economics.*



Ecosystem Science & Policy

THE GOAL OF THE UNDERGRADUATE PROGRAM IN ECOSYSTEM SCIENCE & POLICY (ECS) is to educate the next generation of Environmental leaders. As an ECS student, you can tailor your own path toward environmental careers in teaching, research, policymaking, journalism, consultancy, and more.

Offered by the Leonard and Jayne Abess Center for Ecosystem Science and Policy, an ECS major features a series of problem-based learning courses that emphasize integration of science and policy approaches to real-world environmental issues. With a degree from the ECS program, you will gain a broad background in environmental issues from a variety of perspectives, along with in-depth education in an area of specialization. With a major in ECS you will receive grounding in the fundamentals of the natural sciences, social science, and public policy.

www.ecs.as.miami.edu

**The Ecosystem Science & Policy program offers both a B.S. degree and a B.A. degree.*

Get a Glimpse

Here are some of the interesting courses you can take when you major in Ecosystem Sciences & Policy:

Field Problems in Ecosystem Science and Policy (ECS 112)

Ecological Principles and Environmental Applications (ECS 232)

Perspectives on Environmental Decision Making (ECS 302)

COULD THIS BE U?

CAREERS IN ENVIRONMENTAL LAW, POLICY, EDUCATION, AND COMMUNICATION

- >> Government Agency Researcher
- >> Environmental Journalist
- >> Environmental Advocate

CAREERS IN AIR AND WATER QUALITY MANAGEMENT

- >> Hazardous Waste Manager
- >> Environmental Chemist
- >> Environmental Impact Analyst

CAREERS IN LAND AND WATER CONSERVATION

- >> Park Ranger
- >> Forestry Scientist
- >> Soil Scientist

CAREERS IN SUSTAINABILITY

- >> Urban Planner
- >> Sustainability Officer
- >> Renewable Energy Planner





English

MAKE WRITING, LITERATURE, AND CREATIVE AND CRITICAL THOUGHT A PART OF YOUR LIFE - BOTH NOW AND FOR THE FUTURE. Be inspired by the world's greatest writers, from Homer and Shakespeare to Virginia Woolf and Rita Dove, and have the chance to create your own imaginative works.

Get a Glimpse

Here are some of the interesting courses you can take when you major in English:

Literature and Medicine (ENG 240)

Con Artists in U.S. Literature & Culture (ENG 241)

Intermediate Fiction Workshop (ENG 390)

That's what being an English major will do for you. A degree in English will also give you essential career skills—the ability to analyze, think clearly, and write professionally.

You will be able to choose from an extensive range of courses in American, British, and other world literatures in English – from Irish to Caribbean to African writings. The Creative Writing faculty teach the craft of composing poetry, fiction, and autobiography in an intensive small workshop format, and in all English classes, you will learn to develop the habits of mind, tools, and strategies for writing in college and beyond in a variety of fields such as business, government, humanities, nursing, law, and the natural and social sciences.

The Department of English also houses the Writing Center, where you can participate in workshops about academic, digital, and creative writing.

COULD THIS BE U?

CAREERS AVAILABLE FOR ENGLISH MAJORS

- >> Business
- >> Government and Politics
- >> Publishing
- >> Film Industry
- >> Creative Writing
- >> Law
- >> Secondary Education
- >> University Teaching

www.english.as.miami.edu

**A major in English includes the following tracks: B.A. in English; B.A. in English - Concentration in Creative Writing; B.A. in English - Concentration in Women's Literature; B.A. in English - Concentration in British Literary History; and B.A. in English Literature.*



AWARD-WINNING

A&S FACULTY

DR. AMINA GAUTIER

Amina Gautier is Associate Professor of English and the author of three acclaimed short story collections: *The Loss of All Lost Things*, *Now We Will Be Happy*, and *At-Risk*. In 2018, Dr. Gautier won the PEN/Malamud Award for Excellence in the Short Story, the most prestigious prize in North America for writers of short fiction. She has also received the Phillis Wheatley Book Award, the Eric Hoffer Legacy Fiction Award, and the Prairie Schooner Book Prize, among many other honors.

French

THE UNIVERSITY OF MIAMI IS CENTRALLY LOCATED IN ONE OF THE MOST DIVERSE AND CULTURALLY RICH CITIES IN THE UNITED STATES. On the Coral Gables campus and in the community, an array of languages can be heard.

With a major in French from the Department of Modern Languages and Literatures, you will be immersed in both the oral and written texts of the language to gain linguistic proficiency and cultural awareness. Department faculty will guide you through conversational and interpersonal skills as you interact with peers to create, present, and interpret ideas in French. The majority of our French majors participate in our unique study abroad program in Paris (UParis) or in another program in the Francophone world. Also, we have standing internships for our students at the Alliance Française-Miami Metro, the French Consulate of Miami, and the Haitian Cultural Heritage Center.

www.mll.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in French:

Topics in French-Language Cinema (FRE 325)

The Caribbean through Literary and Cultural Studies (FRE 360)

French Internship (FRE 394)

COULD THIS BE U?

CAREERS AVAILABLE FOR FRENCH MAJORS

- >> International governmental and non-profit organizations: the U.N., UNESCO, Alliance Française, Doctors without Borders, USAID, the FBI, Relief International.
- >> Domestic and international corporations: BNP Paribas, Société Générale, Sodexo, Airbus, LVMH, L'Oréal, Givenchy.
- >> Teaching and program administration: secondary and post-secondary instructor, study-abroad program administration, international education officer.



Gender and Sexuality Studies

GENDER AND SEXUALITY ARE CRUCIAL COMPONENTS OF EVERY ASPECT OF THE HUMAN EXPERIENCE. They influence and are influenced by social, legal, racial, cultural, political, and economic contexts, demanding a rigorous and interdisciplinary approach to their study. The Gender and Sexuality Studies program offers an interdisciplinary major that explores the important and pervasive sexual dimension of the individual and society.

The undergraduate curriculum in Gender and Sexuality Studies explores the ways in which ideas about gender and sexuality shape social roles and identities, as well as the ways in which race, ethnicity, class, and nationhood influence the perception and experience of gender and sexuality within particular cultures.

You will be introduced to feminist theory and scholarship, and examine ethical and political issues of equality and justice. Courses in Gender and Sexuality Studies strengthen your critical

and analytical skills, which you can then apply in other aspects of your educational experience at UM and beyond the university in your career and personal development.

If you want to question common assumptions about the meanings of masculinity and femininity by examining how different societies and historical periods have viewed manhood, womanhood, and relations between men and women, then the Gender and Sexuality Studies major is for you.

COULD THIS BE U?

"GENDER AND SEXUALITY AFFECT OUR LIVES IN WAYS WE MIGHT NEVER IMAGINE; DISCOVERING THEM IN ACTION IS AN EYE-OPENING EXPERIENCE."

JOSH MARZANO '16

GENDER AND SEXUALITY STUDIES

Josh Marzano traveled to Madrid, where he researched LGBTQ fiction at the Biblioteca Nacional.

He also created an LGBTQ English curriculum that engages high school students in discussions of LGBT experiences as they relate to topics such as spirituality, coming out, gender, and sexual norms.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Gender and Sexuality Studies:

Introduction to Gender and Sexuality Studies (GSS 201)

Feminist Inquiries (GSS 301)

Interpreting Bodies (GSS 420)

www.gss.as.miami.edu



Get a Glimpse

Here are some of the interesting courses you can take when you major in Geography:

Health & Medical Geography (GEG 241)

Digital Earth (GEG 101)

Geographic Information Systems (GEG 310)

Geography + Regional Studies

IN ESSENCE, GEOGRAPHY DEALS WITH THE ANALYSIS OF TOPICS ranging from environmental problems, sustainability, global warming, and sea level rise to health problems, the spread of infectious diseases, political issues, demographic issues, and urban issues. Much of Geography works at the intersection of the natural and social sciences.

Geography is wedded to modern digital technology. Our majors are trained for careers using geospatial technology in both government and the private sector to solve problems dealing with issues such as the environment, sustainability, and urban planning. Geographers are sought after by business and industry because of their technical skills and ability to assess societal problems from a spatial perspective.

If any of these topics interest you, then consider a major in Geography. The department emphasizes the study of health and medical geography, human-environment interactions, and globalization and urban change by applying the latest techniques in geospatial technology, including geographic information systems (GIS), remote sensing (RS), and spatial statistics.

COULD THIS BE U?

GEOGRAPHERS WORK
FOR THE GOVERNMENT,
LARGE AND SMALL
BUSINESSES, PLANNING
AGENCIES, AND AS GIS
ANALYSTS. GEOGRAPHERS
ARE PROBLEM-SOLVERS.

www.geography.as.miami.edu

**The Department offers both a B.A. and B.S. degree.*

AWARD-WINNING

A&S FACULTY



DR. MERIKE BLOFIELD

Dr. Merike Blofield is Associate Professor of Political Science and the Director of the Women's and Gender Studies program. Her book *Care Work and Class: Domestic Workers' Struggle for Equal Rights in Latin America* won the National Women's Studies Association Sara A. Whaley Book Award. Dr. Blofield is a lead coordinating author for the International Panel on Social Progress.



History

IN SMALL CLASSES WITH WORLD-CLASS HISTORIANS is where you will gain the skills you need to succeed in taking your next step.

Our history professors are not only leaders in their fields, winning top grants and publishing award-winning books, but they are also dedicated teachers. They will train you to answer complex questions about the human experience and gain the analytical and communication skills that Fortune 500 employers, public service organizations, and top law and medical schools are looking for.

And did you know, History majors tend to out-perform other majors in entrance exams for graduate school in law, business, and medicine? Whether you are thinking of going into public service, law, business, or medicine in the future, majoring in History will equip you for whichever path you choose.

Get a Glimpse

Here are some of the interesting courses you can take when you major in History:

History of Southen Africa (HIS 309)

The Civil Rights Movement (HIS 373)

Europe After Hitler (HIS 390)

www.history.as.miami.edu

COULD THIS BE U?

SEAN DRISCOLL '15

A.B., HISTORY

Sean Driscoll, '15, was awarded a Fulbright English Teaching Assistant Grant to Indonesia. Driscoll plans to become a history teacher and also has experience working with ESOL students. He hopes to fully integrate recreational sports into Indonesia's schools.

Independent

IF YOU ARE INTERESTED IN CREATING YOUR OWN CUSTOMIZED B.A. OR B.S. DEGREES, the College of Arts & Sciences provides this exclusive academic track that entails working in consultation with a guidance committee.

Requirements to earn your IM include a proposal explaining why existing majors are inappropriate or inadequate to satisfy your needs; specific coursework requirements of at least 30 credits beyond those needed to fulfill a general education major; and a GPA of 3.5 or higher.

You can begin to develop a proposal for the IM when you reach your sophomore year and you must declare the IM before reaching your senior year. The guidance committee typically includes two tenured or tenure-track faculty, typically from different departments, who represent the main scholarly areas of the courses selected for the IM.

Get a Glimpse

With hundreds of course offerings at the College of Arts & Sciences, the Independent major lets you choose almost any combination of courses!

www.as.miami.edu/independent-major

COULD THIS BE U?

WILLIAM MODELED HIS
MAJOR ON PROGRAMS AT
THE UNIVERSITIES OF
OXFORD AND PENNSYLVANIA.
IT SUPPLEMENTS HIS
STUDIES IN PLAYWRITING
IN THE DEPARTMENT OF
THEATRE ARTS.

WILLIAM HECTOR '15 INDEPENDENT MAJOR

"Given my equal interests in politics and philosophy, I wanted to see if I could pursue a combined, interdisciplinary course of study here at UM, while also continuing my creative studies. The best thing about my UM experience was the chance to have two of my plays read by amazing casts of student, faculty and outside professional actors. These were both extraordinary opportunities and more than I could ever have hoped for at this stage of my development as a writer. Neither would have been possible without the dedication of the Theatre Arts department faculty or the direct and inspirational contributions of my PPE faculty."



International Studies

WITH A MAJOR IN INTERNATIONAL STUDIES YOU WILL RECEIVE A FOCUSED EDUCATIONAL EXPERIENCE learning about the key structural features and dynamics of the international system as you prepare to enter the growing international job market.

An International Studies major will provide you with insight into international politics within the context of interstate relations and foreign policy; international economics and its sub-discipline international political economy on issues such as, trade and production, money and finance, and development; and research methods in social sciences that include qualitative, quantitative, comparative case study, and formal modeling.

www.international-studies.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in International Studies:

Global Economics (INS 102)

Globalization and Change in World Politics (INS 201)

Global Political Economy (INS 321)



COULD THIS BE U?

NATALIE CAIN '13
A.B., INTERNATIONAL STUDIES

Natalie Cain was awarded a Fulbright Grant to Ecuador. Cain is currently studying at UM's Miller School of Medicine and hopes to one day work for a global public health organization such as the U.S. Centers for Disease Control and Prevention or the World Health Organization.



Judaic Studies

THE GEORGE FELDENKREIS PROGRAM IN JUDAIC STUDIES

is a broad, flexible, interdisciplinary program where you can gain an understanding of Jewish civilization and its diverse cultural experiences.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Judaic Studies:

Jewish Civilization: Society, Culture, and Religion (JUS 231)

Intermediate Hebrew (HEB 201)

Israel: The Making of a State (JUS 325)

This non-theological program is an academic exploration of the multi-faceted, socio-historical, 4,000-year record of the Jewish people. The courses you will take highlight the variety of cultural, political, social, and religious experiences of Jews in different times and places. These include courses on Israel, Zionism, and Jewish peoplehood, as well as four levels of Hebrew.

Judaic Studies courses also meet the requirements for the humanities and social sciences in the College of Arts & Sciences, the College of Engineering, the School of Communication, the School of Business, and the Frost School of Music.

www.judaicstudies.as.miami.edu

COULD THIS BE U?

CAREERS AVAILABLE FOR JUDAIC STUDIES MAJORS

- >> Historian
- >> Editorial Assistant
- >> Language Researcher
- >> Professor
- >> Teacher
- >> Lawyer
- >> Rabbi



THE GEORGE FELDENKREIS
PROGRAM IN JUDAIC STUDIES
College of Arts and Sciences

Latin American Studies

MIAMI IS UNIQUE IN THE UNITED STATES FOR ITS LATINO-AMERICANIDAD. Often described as the capital of Latin America, our city exists at the heart of the Americas, and is host to business headquarters, non-governmental organizations, and media corporations that target Latin America and the Caribbean. The University of Miami serves as the academic heart of this great cultural crossroads and there is no better place than UM from which to study Latin America and the Caribbean. Miami offers cultural immersion, diversity, expertise, innovation, and vitality.

This major is for you if you desire to understand holistically Latin America and the Caribbean. Instead of focusing on just one aspect of the region, LAS majors approach the subject from an interdisciplinary perspective, and come to view the cultures, languages, histories, politics, and economics of the region as fundamentally inter-connected. As a major in Latin American Studies, you are also encouraged to spend at least one semester aboard in a program with a Latin American and/or Caribbean Studies component. And if you desire even more, consider the Fellows in Latin American Studies (FILAS) honors program, which offers both a BA and an MA, as well as unparalleled research, travel, and work opportunities.

www.las.as.miami.edu

COULD THIS BE U?

MACKENZIE SHELDON '15

B.A./M.A., LATIN AMERICAN STUDIES

Mackenzie Sheldon, '15, was awarded a Fulbright English Teaching Assistant Grant to Argentina. Sheldon combined her expertise in teaching English with her passion for Latin American cultures, and hosted international film screenings on campus.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Latin American Studies:

Regional travel course (LAS 302: recent destinations have included Chile, Cuba, Panama, and Puerto Rico)

Drug Trafficking in Latin America and the Caribbean (LAS 362)

Internship in Latin American and Caribbean Studies (LAS 505)

Mathematics

WHETHER YOU ARE CONSIDERING A CAREER IN THE FIELDS OF SCIENCE, BUSINESS, OR EDUCATION —

or primarily interested in gaining substantial problem solving and critical reasoning skills — a major in Mathematics from the College of Arts & Sciences will guide you to develop a deep understanding of the conceptual foundations of mathematics.

From calculus to abstract algebra and analysis, the knowledge you will gain through the concentrated and challenging mathematics courses, which are taught by our esteemed and award-winning faculty, will provide you with the necessary background in mathematics if you plan to go on to graduate study or pursue a career in accounting, business, science, or technology.

www.math.miami.edu

The Department of Mathematics offers both a B.S. degree and a B.A. degree.

COULD THIS BE U?

INDUSTRIES THAT EMPLOY THE MOST MATHEMATICIANS

- >> Federal Government **30%**
- >> Scientific Research and Development Services **20%**
- >> Educational Services: state, local, and private **18%**
- >> Management of Companies and Enterprises **7%**
- >> Manufacturing **3%**

Get a Glimpse

Here are some of the interesting courses you can take when you major in Mathematics:

Abstract Mathematics (MTH 230)

Analysis (MTH 433)

Abstract Algebra (MTH 461)



Microbiology

MICROBIOLOGY AND IMMUNOLOGY IS CONCERNED WITH THOSE LIVING ORGANISMS which exist in the microscopic or submicroscopic realms. They include bacteria, viruses, yeast, molds, and protozoa that can cause diseases. If you are interested in these forms of life not seen by others then consider a major in Microbiology.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Microbiology:

Modern Plagues and Society (MIC 201)

Innate Immunity (MIC 319)

Medical Parasitology (MIC 322)

While studying for your major, you will participate in research opportunities and laboratory work to help prepare you for the various disciplines within the field of Microbiology and Immunology, including virology, parasitology, microbial genetics, immunology, and medical bacteriology.

The College also promotes its cutting-edge research in the field of Microbiology and Immunology by hosting seminars with speakers from within and outside the University of Miami, which you are encouraged to attend. Microbiology and Immunology is an ancillary department in the College of Arts & Sciences and requires you to be proficient in chemistry, biology, biochemistry, physics, and mathematics.

COULD THIS BE U?

A MAJOR IN MICROBIOLOGY
CAN LEAD TO A CAREER
AS A BACTERIOLOGIST,
IMMUNOLOGIST, MYCOLOGIST,
OR VIROLOGIST FOR
MAJOR CORPORATIONS,
GOVERNMENTAL AGENCIES,
HOSPITALS, RESEARCH
FOUNDATIONS AND
FACILITIES, PUBLIC HEALTH
AGENCIES, AND UNIVERSITIES.

www.mic.as.miami.edu

A portrait of Dr. Michael Alessandri, a middle-aged man with a receding hairline, smiling at the camera. He is wearing a purple and white checkered button-down shirt and a black belt. The background is a blurred outdoor setting with greenery and a body of water.

AWARD WINNING

A&S FACULTY

DR. MICHAEL ALESSANDRI

Dr. Michael Alessandri is Clinical Professor of Psychology and Pediatrics, Assistant Chairman of the Department of Psychology, and the Executive Director of the Center for Autism and Related Disabilities (CARD). He was named the Autism Society of America's Wendy F. Miller Autism Professional of the Year and is a Children's Trust David Lawrence, JR. Champion for Children.



Neuroscience

DOES INVESTIGATING THE STRUCTURE AND FUNCTION OF THE NERVOUS SYSTEM PIQUE YOUR INTEREST? How about the nature of cognition or research related to neurological disorders?

A major in Neuroscience can expose you to finding the scientific answers to these questions and many more, with the guidance of talented faculty who will expose you to the fundamental understanding of the nervous system in development, at a cellular and molecular level to higher brain functions in support of cognition and behavior.

Neuroscience is an interdisciplinary field that draws from a number of scientific disciplines, including medicine, biology, psychology, physics, chemistry, mathematics, computer science, and biomedical engineering.

While the home of the major is here at the College of Arts & Sciences, the teaching faculty and Steering Committee come from several schools and departments including the Miller School of Medicine and the Departments of Psychology and Biology.

COULD THIS BE U?

MAURA LAPOFF
NEUROSCIENCE ALUMNA

Alumna and Neuroscience major Maura Lapoff recently won a Boren Scholarship to study in Jordan. David L. Boren Scholarships provide students with resources and encouragement to acquire languages skills and experience in countries considered critical to the security and stability of our nation.

www.neuroscience.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in Neuroscience:

Cellular and Molecular Neuroscience (NEU 465)

Neural Mechanisms of Disease (NEU 342)

Neurogenetics (NEU 400)

Philosophy

PHILOSOPHY IS BOTH ONE OF THE OLDEST AND ONE OF THE NEWEST SCHOLARLY DISCIPLINES. Questions about the structure of reality, the nature of knowledge, and the makings of a good life have been asked since the dawn of inquiry, and continue to fascinate today

But the modern world presents new challenges, and provides powerful new resources that have revolutionized philosophical discovery. Today, Philosophy is a vibrant field that utilizes rigorous logic, careful conceptual distinction, and interdisciplinary research to answer questions that lie at the heart of the academy.

A major in Philosophy enriches your rational capacity, providing a strong bedrock for getting the most out of any other intellectual or humanistic activity you choose to pursue. If you're driven by the quest for knowledge and the thrill of rational inquiry, then a major in Philosophy is for you. Majoring in Philosophy is also great for career-minded individuals; the writing and reasoning skills are ideal for business and prepare you for graduate school admissions.

www.philosophy.as.miami.edu

COULD THIS BE U?

PHILOSOPHY MAJORS

MAKE ON AVERAGE THE

HIGHEST CAREER EARNINGS

OF ANY HUMANITIES

BACHELOR DEGREE.

PHILOSOPHY MAJORS ARE TOP GRE PERFORMERS

From 2006 to 2014 Philosophy was the top performer among all majors on the verbal and writing sections of the GRE, and the top humanities major on the quantitative reasoning section.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Philosophy:

The Superhuman Mind: An Introduction to the Philosophy of Mind (PHI 109)

Biomedical Ethics (PHI 334)

Induction, Probability, and Scientific Method (PHI 543)

Physics

PHYSICS MAJORS ARE CURIOUS ABOUT THE NATURAL WORLD AND ARE EMPOWERED BY THEIR COURSE WORK AND RESEARCH EXPERIENCES to ask probing questions about how and why things work, from the atomic scale where quantum mechanics reigns to the cosmic scale where dark energy dictates the expansion of the universe.

The Physics faculty are dedicated to an enriching and challenging education in small classes and working alongside students in internationally recognized research groups at the forefront of their disciplines. A variety of flexible major tracks offer opportunities for a double major.

www.physics.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in Physics:

Challenges in Biological Physics
(PHY 300)

Astrophysics (PHY 545)

Quantum Mechanics & Modern Physics I (PHY 560)

COULD THIS BE U?

"I NEVER IMAGINED HAVING THE JOB I DO TODAY AS THE OPERATIONS MANAGER OF THE U.S. ANTARCTIC PROGRAM, BUT BEING IN THE COLLEGE OF ARTS AND SCIENCES PROVIDED ME WITH A DIVERSE TOOLBOX AND A SET OF SKILLS TO ATTACK THE TECHNICAL PROBLEMS I'M FACED WITH, WORK EFFECTIVELY WITH INTERNATIONAL PARTNERS, AND LEAD WITH CONFIDENCE."

MARGARET KNUTH, '03

PHYSICS AND MARINE SCIENCE OPERATIONS MANAGER FOR THE NATIONAL SCIENCE FOUNDATION'S US ANTARCTIC PROGRAM

AWARD-WINNING

A&S FACULTY

DR. KENNETH FEELEY

Dr. Kenneth Feeley is an Associate Professor of Ecology in the Department of Biology and the Smathers Chair of Tropical Tree Biology. He was a 2016 Fulbright International Research Scholar, and his work on the effects of climate change on plant distributions was funded by the National Geographic Society. Additionally, he received funding through an NSF CAREER Award, one of the nation's most prestigious scientific honors. Dr. Feeley has authored over 100 scientific publications on understanding and predict the effects of global climate change on tropical forests and the millions of plant and animal species that these valuable ecosystems support.



Political Science

WHETHER YOU ARE INTRIGUED BY GOVERNMENT POLICY

aimed at achieving economic stability or the structure of American politics, consider a major in Political Science.

As a Political Science major, you will study government, public policies, and political behavior as well as comparative and international politics in different countries around the world.

From the study of modern and contemporary political ideologies, such as Liberalism, Conservatism, and Marxism, to international relations associated with the United States and the rest of the world, a major in Political Science can structure your mind and prepare you for participation in endeavors, such as community organization, electoral politics or administrative positions in government.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Political Science:

Political Ideologies (POL 307)

Conspiracy Theories and the Public (POL 315)

International Security (POL 591)

COULD THIS BE U?

DALTON FOUTS '15

A.B., POLITICAL SCIENCE

Dalton Fouts, '15, was awarded a Fulbright English Teaching Assistant Grant to Indonesia. He plans to use drama as an outreach program for community-based English instruction in the country.

www.politicalscience.as.miami.edu





Public Administration

A MAJOR IN PUBLIC ADMINISTRATION OFFERS THE BENEFITS of a broad liberal arts education with professional training for students seeking a career in public service or nonprofit management.

If you are interested in public policy responses to social needs and leadership or management practices seeking greater effectiveness, efficiency, equity and the deeper human concerns of the citizenry, public administration explores these issues and the constraints, opportunities and strengths associated with government action.

www.politicalscience.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in Public Administration:

Politics of the Administrative Process (POL 319)

Ethical Issues in Government, Business and Nonprofit Organizations (POL 557)

Applied Policy Analysis (POL 534)

COULD THIS BE U?

"IN THE FIELD OF PUBLIC ADMINISTRATION, A STRONG EDUCATIONAL FOUNDATION AND A STRONG NETWORK ARE CRITICAL ELEMENTS FOR SUCCESS. THE 4+1 BA/MPA PROGRAM OFFERS US THE OPPORTUNITY TO JUMP RIGHT INTO AN EXCEPTIONAL GRADUATE EDUCATION WITH THE RELEVANT COURSE CONTENT FROM OUR UNDERGRADUATE EDUCATION."

ADRIAN NUNEZ '18

DOUBLE MAJOR IN POLITICAL SCIENCE AND MANAGEMENT



Psychology

PSYCHOLOGY IS THE STUDY OF HOW INDIVIDUALS THINK, BEHAVE, FEEL, AND RELATE TO OTHERS. It discovers the internal and environmental factors that determine thought and behavior, and its research is of fundamental importance to the principles underlying other categories of knowledge including Economics, Political Science, Art, and Medicine.

www.psy.miami.edu

Majoring in Psychology is an opportunity for you to learn about a topic of broad relevance while also gaining specific and detailed knowledge of the human mind. You will learn scientific research methods and psychological theory across a comprehensive spectrum of areas including abnormal, developmental, personality, and social psychology. Advanced courses cover topics such as drugs, aging, cultural values, and sexual behavior. Additionally, you can choose to be involved in conducting faculty members' ongoing research studies.

A Psychology major will prepare you for graduate study or a career in a wide range of people-oriented professions (e.g., medicine, law, business, communications). You will learn about human behavior and gain the analytical and critical thinking skills that are highly valued in the workforce and research communities.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Psychology:

Cognitive Psychology (PSY 250)

Psychology of Language Development (PSY 330)

Psychobiology (PSY 425)

COULD THIS BE U?

PSYCHOLOGY MAJORS GAIN TEN SKILLS DESIRABLE IN THE JOB MARKET

- >> Predict and understand the behavior of individuals and groups
- >> Understand how to use and interpret data
- >> Evaluate the legitimacy of claims about behavior
- >> Know how memory and learning function
- >> Have insight into problematic behaviors
- >> Demonstrate the capacity to adapt to change
- >> Understand and operate effectively throughout the channels of an organization
- >> Manage difficult situations and high stress environments
- >> Start and carry out projects with limited information or experience
- >> Show persistence in challenging circumstances



AWARD-WINNING

A&S FACULTY

DR. B. CHRISTINE ARCE

Dr. B. Christine Arce is an Associate Professor of Modern Languages and Literatures. She is the 2018 winner of the Modern Language Association's prestigious Katherine Singer Kovacs Prize, in addition to the Victoria Urbano Book Prize for her work *México's Nobodies: The Cultural Legacy of the Soldadera and Afro-Mexican Women*. Her book, *Mexico's Nobodies*, explores the long obviated contributions of women and blacks to Mexican culture and history. Dr. Arce's research centers on issues of race, gender, migration and non-Western epistemologies in the cultural production of Mexico, Brazil and the Caribbean.



Religious Studies

RELIGION PLAYS A UNIQUE ROLE IN THE HUMAN EXPERIENCE.

The diversity in religion across time and culture makes a major in Religious Studies a broad area of study focused on a matter of historical, cultural, social, and political importance.

With a Religious Studies major, you will learn what religion is; how religion both shapes and reflects culture, society, politics, and individual experience; and the multiple ways religion matters — and has mattered — locally and globally, from antiquity to the present. Through the examination of varied disciplinary approaches and exposure to concrete diverse cultural expressions of religion, you will foster a broad and deep

appreciation of religion's individual, cultural, and social contributions.

The Department of Religious Studies aims to strengthen your capacities to read carefully, question critically, communicate knowledge effectively, and apply your learning in civic engagement.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Religious Studies:

One Goal: Transforming the Self in Asian Religions (REL 105)

Religion in Modern Israel (REL 268)

The Bible and Modern Film (REL 324)

www.religion.as.miami.edu

COULD THIS BE U?



“THE DEPARTMENT’S FACULTY FACILITATED

A PASSION FOR RELIGIOUS STUDIES BY SHOWING

ME JUST HOW RELEVANT RELIGION IS TO ALL

DISCIPLINES AND ARENAS OF LIFE. I FELL IN LOVE

WITH THE USE OF RELIGION AS A LENS THROUGH

WHICH TO VIEW AND ASK QUESTIONS ABOUT

HISTORY, SOCIETY, AND THE HUMAN EXPERIENCE.”

ARIYANNE COLSTON '17

DOUBLE MAJOR IN RELIGIOUS STUDIES AND INTERNATIONAL STUDIES,
CURRENTLY ENROLLED IN THE JD/MDIV PROGRAM AT EMORY UNIVERSITY

Religion + Healthcare

IF YOU ARE INTERESTED IN ANY ASPECT OF HEALTH CARE, or wish to supplement a pre-med education with coursework in the field of Religious Studies, then a major in Religion and Healthcare is for you.

This major combines traditional Religious Studies coursework with classes that focus on the intersection of Religion and Healthcare, including topics such as sexuality, medical ethics, and death.

www.religion.as.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in Religion and Healthcare:

Religion and Moral Choices
(REL 151)

Religion and Medicine: Health Care as Spiritual Practice (REL 161)

Religion and Bioethics (REL 360)

COULD THIS BE U?

WITH A MAJOR IN RELIGION
AND HEALTHCARE, YOU
CAN SEEK PROFESSIONAL
TRAINING IN LAW, BUSINESS,
MEDICINE, JOURNALISM, OR
CONTINUE GRADUATE
STUDY IN ANTHROPOLOGY,
CLASSICS, HISTORY, OR
PHILOSOPHY.

Sociology

ONE OF OUR MOST NOTABLE FEATURES AS PEOPLE IS THAT WE

CREATE GROUPS: We establish friendships, begin families, start businesses, create committees, establish neighborhoods, join religious organizations, and build cities and nations. The kinds of groups that people create and belong to, and how these groups shape and influence our lives, are issues at the core of sociological study.

The College of Arts & Sciences' Sociology major includes instruction in the nature and methodology of social sciences, its research principles, and its theory. This scientific background will inform your study of pressing social issues including crime, war, race and gender issues, the role of the family in the 21st century, and political economy.

The social world is as dynamic and diverse as the people who create it. A major in Sociology will give you an education that reflects this diversity, and provide you with the critical thinking and communications skills valued in today's workforce. By majoring in Sociology, you can not only be a part of the social world, you can master it.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Sociology:

Social Inequalities (SOC 303)

Dynamics of Poverty in the United States (SOC 304)

Sports and Society (SOC 352)

COULD THIS BE U?

SOCIOLOGY MAJORS ARE WELL POSITIONED FOR AN ECONOMY THAT IS INCREASINGLY DATA AND DEMOGRAPHICS DRIVEN, AND THE JOB MARKET FOR SOCIOLOGISTS IS PROJECTED TO GROW FASTER THAN THE AVERAGE FOR ALL CAREERS.

SOCIOLOGY IN ACTION

Businesses, non-profits, and governments all have a need for understanding social dynamics. Their emphasis on social issues means that sociology majors also enter into careers in law, education, urban planning, social services, counseling, and many more.

www.sociology.as.miami.edu





Spanish

THE UNIVERSITY OF MIAMI IS AN IDEAL PLACE TO MAJOR IN SPANISH. Miami is a hub to Latin America, Spain and the Caribbean. More than 60% of the population in Miami speaks and lives in Spanish!



In each of our courses students hone their writing and oral skills in Spanish and enhance their critical and intercultural competence. Our world class faculty offers a wide array of courses on exciting topics such as gender and politics in Spanish film; Latin American urban cultures; Caribbean performance art; science and discovery in contemporary Hispanic literature, early modernity and the shock of transatlantic encounters.

Our program includes study abroad opportunities in prestigious programs in Spain and Argentina. Trained in the third most widely spoken language in the world and in its diverse cultures, our Spanish majors increase exponentially their possibilities of success in any professional or academic career they pursue.

www.mllas.miami.edu

Get a Glimpse

Here are some of the interesting courses you can take when you major in Spanish:

Science and Mathematics in Contemporary Latin American Narrative (SPA 355)

Travels through Cuba: "The Most Beautiful Land" (SPA 360)

Language, Society and Politics in the Hispanic World (SPA 422)

COULD THIS BE U?

CAREERS FOR SPANISH MAJORS

- | | |
|----------------------------|--------------------|
| >> Business | >> Advertising |
| >> International Relations | >> Journalism |
| >> Civil Service | >> United Nations |
| >> Medicine | >> Health Services |
| >> Law | >> Translator |
| >> Diplomacy | >> Teacher |

Theatre Arts

IF YOU LOVE THE THEATRE, the Theatre Arts Department will provide you with the faculty, the tools, and the supportive community of fellow artists you will need to realize your theatrical dreams through rigorous training and study. Here, you will learn by doing.

Every year, students work alongside professors to produce a full season of plays and musicals at the Jerry Herman Ring Theatre, gaining a thrilling array of hands-on theatrical experience in a pre-professional theatrical setting.

In addition to the liberal arts B.A. degree in Theatre Arts, you may choose to pursue B.F.A. degrees in acting, musical theatre, theatre management, stage management, and design/production. Regardless of the path you choose, your training as a theatre major will focus on you as a person and as an artist, preparing you for lifelong success both inside and outside of the theatre.

Get a Glimpse

Here are some of the interesting courses you can take when you major in Theatre Arts:

Introduction to Acting (THA 105)

Survey of Design for Theatre and Live Entertainment (THA 246)

The Theatre Industry (THA 364)

COULD THIS BE U?

MANY UM THEATRE ARTS ALUMNI HAVE ATTAINED SUCCESSFUL CAREERS IN BOTH THE PROFESSIONAL AND ACADEMIC THEATRE AND FILM WORLDS, AS WELL AS OTHER PROFESSIONS SUCH AS LAW, EDUCATION, BUSINESS, AND PUBLIC RELATIONS.

UM THEATRE ALUMNI ON STAGE AND ON THE BIG SCREEN

Some of the many notable alumni include, Jerry Herman (*Hello Dolly!*), Ray Liotta (*Something Wild*, *Goodfellas*), Steven Bauer (*Scarface*, *Traffic*), Janet Aldrich (*Three Musketeers*, *Annie*), and Sandra Santiago (*Nine*, *Carlito's Way*).

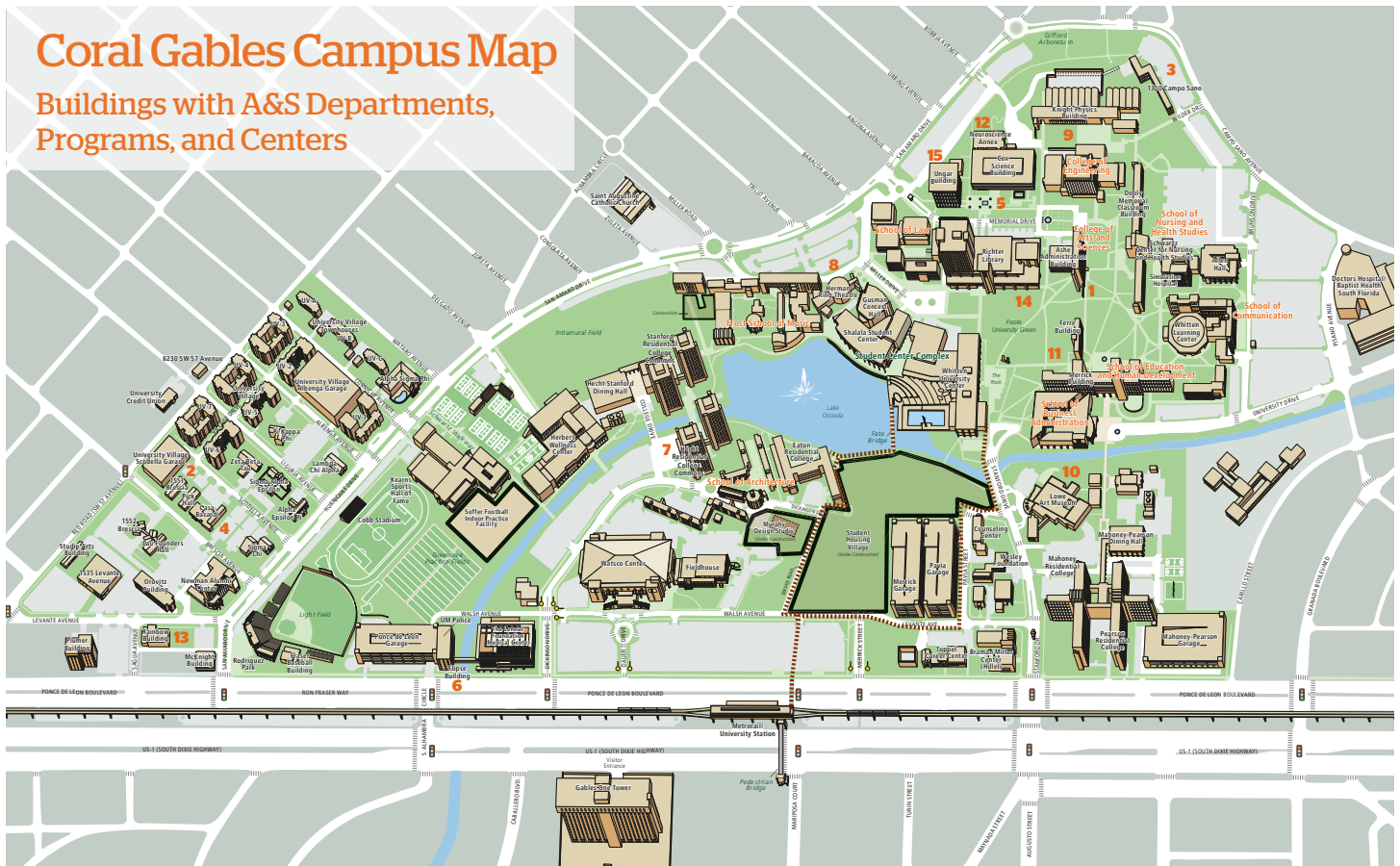
www.theatrearts.as.miami.edu

**The Department of Theatre Arts offers six majors: B.F.A in Theatre Arts - Design/Technical Production; B.F.A in Theatre Arts - Musical Theatre; B.F.A in Theatre Arts - Acting; B.F.A in Theatre Arts - Stage Management; B.F.A in Theatre Arts - Theatre Management; B.A. in Theatre Arts*



Coral Gables Campus Map

Buildings with A&S Departments, Programs, and Centers



- 1 Ashe:** Dean's Office, Advising Office, Classics, English, History, Philosophy, Religious Studies
- 2 Brescia:** ROTC Aerospace Studies and Military Science
- 3 Campo Sano:** Geography, International Studies, Political Science, Urban Studies
- 4 Casa Bacardi:** Miami Institute for the Americas
- 5 Cox Science:** Biology, Chemistry, Geological Sciences, Microbiology and Immunology, Neuroscience

- 6 Flipse:** Psychology (and its various community outreach centers), Neuroscience
- 7 Hecht Residential College Commons:** Theatre Arts
- 8 Jerry Herman Ring Theatre**
- 9 Knight:** Physics
- 10 Lowe Art Museum**
- 11 Merrick:** Anthropology, Modern Languages and Literature, Sociology, American Studies, DILS, Judaic Studies, Latin American Studies, Gender and Sexuality Studies

- 12 Neuroscience Annex**
- 13 Rainbow:** Art and Art History
- 14 Richter Library:** Center for the Humanities
- 15 Rhodes House:** Africana Studies
- 16 Ungar:** Computer Science, Ecosystem Science and Policy, Mathematics
- 17 Wesley:** CAS Art Gallery

>> For the most up-to-date campus map and locations, please visit www.miami.edu/maps

MINORS IN ARTS & SCIENCES

Aerospace Studies	Criminology	Judaic Studies	Physics
Africana Studies	Economics	Latin American Studies	Political Science
American Studies	Ecosystem Science & Policy	LGBTQ Studies	Portuguese
Anthropology	English	Mathematics	Psychology
Arabic Studies	French	Marine Science	Public Administration
Architecture	Gender and Sexuality Studies	Medical Humanities	Religious Studies
Art & Art History	Geography and Regional Studies	Meteorology	Religion & Healthcare
Biochemistry	German	Microbiology & Immunology	Sociology
Biology	History	Military Science	Social Science & Medicine
Chemistry	Independent	Modern Language (2 language minors)	Spanish
Classics	Italian	Philosophy	Theatre Arts
Computer Science	International Studies		Urban Studies



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Follow the College of Arts & Sciences for current updates on events, research projects, and student opportunities.

Connect
with the



For more information about the College of Arts & Sciences, its majors, programs, and departments, visit www.as.miami.edu

Have admissions questions? Contact the University of Miami at www.admissions.miami.edu