

V. School of Arts and Sciences

Officers of Instruction Faculty

Aaron Dominguez, Ph.D.	<i>Dean; Professor of Physics</i>
Laura Mayhall, Ph.D.	<i>Associate Dean; Associate Professor of History</i>
Kerstin T. Gaddy, Ph.D.	<i>Assistant Dean, Undergraduate Programs; Clinical Assistant Professor of German Studies</i>
Nancy E. Adleman, Ph.D.	<i>Assistant Professor of Psychology</i>
Niki Akhavan, Ph.D.	<i>Associate Professor of Media and Communication Studies</i>
Wadad Al Salmi, Ph.D.	<i>Clinical Assistant Professor of Biology</i>
Jon W. Anderson, Ph.D.	<i>Professor Emeritus of Anthropology</i>
Cybele Arnaud, Ph.D.	<i>Clinical Assistant Professor of French and Francophone Studies</i>
Diane B. Arnkoff, Ph.D.	<i>Professor Emerita of Psychology</i>
Gizem Arslan, Ph.D.	<i>Visiting Assistant Professor of German Studies</i>
Gregory E. Baker, Ph.D.	<i>Assistant Professor of English</i>
Aaron Barkatt, Ph.D.	<i>Professor of Chemistry</i>
Sandra Barrueco, Ph.D.	<i>Associate Professor of Psychology</i>
Rachel Bartek, Ph.D.	<i>Research Assistant Professor of Physics</i>
Gail Beach, M.F.A.	<i>Associate Professor for Professional Practice in Drama</i>
Kiran R. Bhutani, Ph.D.	<i>Professor of Mathematics</i>
Maxwell H. Bloomfield III, Ph.D., J.D.	<i>Professor Emeritus of History</i>
Uta-Renate Blumenthal, Ph.D.	<i>Professor Emerita of History</i>
Victor M. Bogdan, Ph.D.	<i>Professor Emeritus of Mathematics</i>
Kathryn E. Bojczyk, Ph.D.	<i>Assistant Professor of Education</i>
Claudia Bornholdt, Ph.D.	<i>Associate Professor of German Studies</i>
James F. Brennan, Ph.D.	<i>Professor of Psychology</i>
Greg A. Brewer, Ph.D.	<i>Professor of Chemistry</i>
Diane Bunce, Ph.D.	<i>Professor Emerita of Chemistry</i>
Aaron Butts, Ph.D.	<i>Assistant Professor of Semitic and Egyptian Languages and Literatures</i>
Anne Calderon, Ph.D.	<i>Clinical Assistant Professor of Hispanic Studies</i>
Ronald S. Calinger, Ph.D.	<i>Professor Emeritus of History</i>
Agnes Cave, Ph.D.	<i>Associate Professor of Education</i>
Renate L. Chancellor, Ph.D.	<i>Assistant Professor of Library and Information Science</i>
Phyllis P. Chock, Ph.D.	<i>Professor Emerita of Anthropology</i>
Youngok Choi, Ph.D.	<i>Associate Professor of Library and Information Science</i>
John Choy, Ph.D.	<i>Assistant Professor of Biology</i>
Justin Chung, Ph.D.	<i>Assistant Professor of Biology</i>
Deborah M. Clawson, Ph.D.	<i>Associate Professor of Psychology</i>
Lucy M. Cohen, Ph.D.	<i>Professor Emerita of Anthropology</i>
Thomas M. Cohen, Ph.D.	<i>Curator, Oliveira Lima Library; Associate Professor of History</i>

John J. Convey, Ph.D.	<i>St. Elizabeth Ann Seton Professor of Education</i>
Anita G. Cook, Ph.D.	<i>Professor of Anthropology</i>
Edward M. Cook, Ph.D.	<i>Associate Professor of Semitic and Egyptian Languages and Literatures</i>
Ann K. Corsi, Ph.D.	<i>Associate Professor of Biology</i>
Dennis Coyle, Ph.D.	<i>Associate Professor of Politics</i>
Hall L. Crannell, Ph.D.	<i>Professor Emeritus of Physics</i>
Maryann Cusimano-Love, Ph.D.	<i>Associate Professor of Politics</i>
Bruno M. Damiani, Ph.D.	<i>Professor of Hispanic Studies</i>
Christopher N. Darnton, Ph.D.	<i>Associate Professor of Politics</i>
Jennifer R. Davis, Ph.D.	<i>Associate Professor of History</i>
Kathryn Degnan, Ph.D.	<i>Visiting Assistant Professor of Psychology</i>
Duilia de Mello, Ph.D.	<i>Professor of Physics</i>
Thomas F. Donahue, Ph.D.	<i>Professor of Drama</i>
Biprodas Dutta, Ph.D.	<i>Associate Professor of Physics</i>
Sherif El-Helaly, Ph.D.	<i>Associate Professor of Mathematics</i>
Sarah Brown Ferrario, Ph.D.	<i>Associate Professor of Greek and Latin</i>
John G. Figura, M.F.A.	<i>Assistant Professor for Professional Practice of Art</i>
Rosalind M. Flynn, Ph.D.	<i>Clinical Assistant Professor of Drama</i>
Rona Frederick, Ph.D.	<i>Associate Professor of Education</i>
Daniel Garcia-Donoso, Ph.D.	<i>Assistant Professor of Hispanic Studies</i>
Valeria Garino, M.A.	<i>Clinical Instructor of Italian Studies</i>
Daniel R. Gibbons, Ph.D.	<i>Assistant Professor of English</i>
Carol R. Glass, Ph.D.	<i>Professor of Psychology</i>
Marcie Goeke-Morey, Ph.D.	<i>Associate Professor of Psychology</i>
John E. Golin, Ph.D.	<i>Professor of Biology</i>
Matthew N. Green, Ph.D.	<i>Associate Professor of Politics</i>
James J. Greene, Ph.D.	<i>Professor of Biology</i>
Tobias Gregory, Ph.D.	<i>Associate Professor of English</i>
Rev. Sidney H. Griffith, Ph.D.	<i>Professor Emeritus of Semitic and Egyptian Languages and Literatures</i>
Joan Tasker Grimbert, Ph.D.	<i>Professor Emerita of French and Francophone Studies</i>
Andrew D. Gross, Ph.D.	<i>Associate Professor of Semitic and Egyptian Languages and Literatures</i>
Elizabeth Guthrie, M.A.	<i>Clinical Instructor of Arabic</i>
Rev. Thomas P. Halton, Ph.D.	<i>Professor Emeritus of Greek and Latin</i>
Sandra L. Hanson, Ph.D.	<i>Professor of Sociology</i>
Katherine Havanki, Ph.D.	<i>Clinical Assistant Professor of Chemistry</i>
Marietta Hedges, M.F.A.	<i>Associate Professor of Drama</i>
Nora M. Heimann, Ph.D.	<i>Associate Professor of Art</i>
Jean-Michel Heimonet, Ph.D.	<i>Professor of French and Francophone Studies</i>
Dorle Hellmuth, Ph.D.	<i>Assistant Professor of Politics</i>

Phillip Henderson, Ph.D.	<i>Associate Professor of Politics</i>
Joshua Himmelsbach, M.A.	<i>Clinical Instructor of Mathematics</i>
Eleanor Holdridge, M.F.A.	<i>Associate Professor of Drama</i>
Curtis Holliman, Ph.D.	<i>Assistant Professor of Mathematics</i>
Tanja Horn, Ph.D.	<i>Associate Professor of Physics</i>
James H. Howard, Jr., Ph.D.	<i>Professor Emeritus of Psychology</i>
Ingrid Hsieh-Yee, Ph.D.	<i>Professor of Library and Information Science</i>
Shufen Hwang, M.A.	<i>Clinical Instructor of Chinese</i>
Katherine L. Jansen, Ph.D.	<i>Professor of History</i>
David A. Jobes, Ph.D.	<i>Professor of Psychology</i>
Glen M. Johnson, Ph.D.	<i>Professor of English</i>
Martin L. Johnson, Ph.D.	<i>Assistant Professor of Media and Communication Studies</i>
Greg Kalicy, Ph.D.	<i>Assistant Professor of Physics</i>
Ravi Kalpathy, Ph.D.	<i>Clinical Assistant Professor of Mathematics</i>
Margaret Ann Kassen, Ph.D.	<i>Associate Professor of French and Francophone Studies and Hispanic Studies</i>
Sung Un Kim, Ph.D.	<i>Associate Professor of Library and Information Science</i>
Michael C. Kimmage, Ph.D.	<i>Professor of History</i>
K. Jon Klein, M.F.A.	<i>Associate Professor of Drama</i>
Árpád von Klimó, Ph.D.	<i>Associate Professor of History</i>
William E. Klingshirn, Ph.D.	<i>Professor of Greek and Latin</i>
Vadim Knyazev, Ph.D.	<i>Professor of Chemistry</i>
Lilla Kopár, Ph.D.	<i>Associate Professor of English</i>
Ildiko M. Kovach, Ph.D.	<i>Professor Emerita of Chemistry</i>
Steven B. Kraemer, Ph.D.	<i>Professor of Physics</i>
John A. Kromkowski, Ph.D.	<i>Associate Professor of Politics</i>
Donald Larson, Ph.D.	<i>Assistant Professor of Mathematics</i>
Jack R. Leibowitz, Ph.D.	<i>Professor Emeritus of Physics</i>
Alexander Levin, Ph.D.	<i>Professor of Mathematics</i>
Guoyang Liu, Ph.D.	<i>Associate Professor of Mathematics</i>
Stefania Lucamante, Ph.D.	<i>Professor of Italian Studies</i>
Rev. John E. Lynch, Ph.D.	<i>Professor Emeritus of History and Canon Law</i>
Pedro B. Macedo, Ph.D.	<i>Professor Emeritus of Physics</i>
Michael Mack, Ph.D.	<i>Associate Professor of English</i>
Liliana Maggioni, Ph.D.	<i>Clinical Assistant Professor of Education</i>
Frank A.C. Mantello, Ph.D.	<i>Professor Emeritus of Greek and Latin</i>
Marilyn Matar, Ph.D.	<i>Clinical Assistant Professor of French and Francophone Studies</i>
Jennifer Maxwell, M.A.	<i>Clinical Instructor of Hispanic Studies, Director of Spanish for Health Care Program</i>
William J. McCarthy, Ph.D.	<i>Associate Professor of Greek and Latin</i>
Stephen J. McKenna, Ph.D.	<i>Associate Professor of Media and Communication Studies</i>

Charmaine L. McMahon, Ph.D.	<i>Clinical Assistant Professor of Hispanic Studies</i>
Angela McRae, Ph.D.	<i>Assistant Professor of Education</i>
Farzana McRae, Ph.D.	<i>Associate Professor of Mathematics</i>
Timothy Meagher, Ph.D.	<i>University Archivist; Associate Professor of History</i>
Paul H.E. Meijer, Ph.D.	<i>Professor Emeritus of Physics</i>
Gregory J. Miller, Ph.D.	<i>Associate Professor of Chemistry</i>
Nelson H. Minnich, Ph.D.	<i>Professor of History and Church History</i>
Jonathan Monaghan, M.F.A.	<i>Assistant Professor of Art</i>
Jean Dietz Moss, Ph.D.	<i>Professor Emerita of English</i>
Jerry Z. Muller, Ph.D.	<i>Professor of History</i>
Megan Murton, Ph.D.	<i>Assistant Professor of English</i>
Thomas V. Nakashima, M.F.A.	<i>Professor Emeritus of Art</i>
Roland M. Nardone, Ph.D.	<i>Professor Emeritus of Biology</i>
Virgil P. Nemoianu, Ph.D.	<i>William J. Byron, S.J., Professor Emeritus of Literature</i>
Ekaterina M. Nestorovich, Ph.D.	<i>Assistant Professor of Biology</i>
James P. O'Connor, Ph.D.	<i>Professor Emeritus of Psychology</i>
Sister Anne O'Donnell, Ph.D.	<i>Professor Emerita of English</i>
Taryn L. Okuma, Ph.D.	<i>Clinical Assistant Professor of English</i>
James P. O'Leary, Ph.D.	<i>Associate Professor of Politics</i>
Jennifer O'Riordan, M.A.	<i>Clinical Instructor of Irish</i>
Mario A. Ortiz, Ph.D.	<i>Associate Professor of Hispanic Studies</i>
Juan Sebastian Ospina Leon, Ph.D.	<i>Assistant Professor of Hispanic Studies</i>
Jennifer Paxton, Ph.D.	<i>Clinical Assistant Professor of History</i>
Ian L. Pegg, Ph.D.	<i>Professor of Physics</i>
John F. Petruccione, Ph.D.	<i>Associate Professor of Greek and Latin</i>
John Philip, Ph.D.	<i>Associate Professor of Physics</i>
Lawrence R. Poos, Ph.D.	<i>Professor of History</i>
Franklin H. Portugal, Ph.D.	<i>Clinical Associate Professor of Biology</i>
Enrique S. Pumar, Ph.D.	<i>Associate Professor of Sociology</i>
Rebecca Rainof Mas, Ph.D.	<i>Associate Professor of English</i>
Venigalla B. Rao, Ph.D.	<i>Professor of Biology</i>
Lorenzo L. Resca, Ph.D.	<i>Professor of Physics</i>
Brendan A. Rich, Ph.D.	<i>Associate Professor of Psychology</i>
Mario A. Rojas, Ph.D.	<i>Professor Emeritus of Hispanic Studies</i>
Bruce M. Ross, Ph.D.	<i>Professor Emeritus of Psychology</i>
Katharina Rudolf, Ph.D.	<i>Clinical Assistant Professor of German Studies</i>
Kevin Rulo, Ph.D.	<i>Clinical Assistant Professor of English</i>
Alexander T. Russo, Ph.D.	<i>Associate Professor of Media and Communication Studies</i>
Claes G. Ryn, Ph.D.	<i>Professor of Politics</i>

Martin A. Safer, Ph.D.	<i>Professor Emeritus of Psychology</i>
Joshua Samuels, Ph.D.	<i>Clinical Assistant Professor of Anthropology</i>
Abhijit Sarkar, Ph.D.	<i>Associate Professor of Physics</i>
Stephen F. Schneck, Ph.D.	<i>Associate Professor of Politics</i>
Merylann J. Schuttloffel, Ph.D.	<i>Professor of Education</i>
Marc M. Sebrechts, Ph.D.	<i>Professor of Psychology</i>
Joseph M. Sendry, Ph.D.	<i>Professor Emeritus of English</i>
J. Prasad Senesi, Ph.D.	<i>Associate Professor of Mathematics</i>
Anita Shagnea, M.S.	<i>Clinical Instructor of Mathematics</i>
Amanda Sheffer, Ph.D.	<i>Clinical Assistant Professor of German Studies</i>
Joshua K. Shepperd, Ph.D.	<i>Assistant Professor of Media and Communication Studies</i>
Caroline R. Sherman, Ph.D.	<i>Assistant Professor of History</i>
David E. Shumaker, M.S.	<i>Clinical Associate Professor of Library and Information Science</i>
Gary Sloan, M.F.A.	<i>Professor of Drama</i>
Daniel I. Sober, Ph.D.	<i>Professor Emeritus of Physics</i>
Lawrence Somer, Ph.D.	<i>Professor Emeritus of Mathematics</i>
Vijay Sookdeo, Ph.D.	<i>Associate Professor of Mathematics</i>
Chelsea Stieber, Ph.D.	<i>Assistant Professor of French and Francophone Studies</i>
Ernest F. Suarez, Ph.D.	<i>Professor of English</i>
Antanas Suziedelis, Ph.D.	<i>Professor Emeritus of Psychology</i>
Sue Yeon Syn, Ph.D.	<i>Associate Professor of Library and Information Science</i>
Leslie Woodcock Tentler, Ph.D.	<i>Professor Emerita of History</i>
Wallace J. Thies, Ph.D.	<i>Professor Emeritus of Politics</i>
Patrick Tuite, Ph.D.	<i>Associate Professor of Drama</i>
Pamela L. Tuma, Ph.D.	<i>Professor of Biology</i>
Herbert M. Überall, Ph.D.	<i>Professor Emeritus of Physics</i>
Maura Ugarte, M.F.A.	<i>Clinical Associate Professor of Media and Communication Studies</i>
Peter Ulrickson, Ph.D.	<i>Assistant Professor of Mathematics</i>
Joan B. Urban, Ph.D.	<i>Professor Emerita of Politics</i>
Vadim Uritsky, Ph.D.	<i>Associate Professor of Physics</i>
Barry Wagner, Ph.D.	<i>Professor of Psychology</i>
Shavaun Wall, Ph.D.	<i>Euphemia Lofton Haynes Professor of Education</i>
Rev. William A. Wallace, Ph.D.	<i>Professor Emeritus of History and Philosophy</i>
David J. Walsh, Ph.D.	<i>Professor of Politics</i>
Pamela S. Ward, Ph.D.	<i>Clinical Assistant Professor of English</i>
Lev Weitz, Ph.D.	<i>Assistant Professor of History</i>
Carl W. Werntz, Ph.D.	<i>Professor Emeritus of Physics</i>
Stephen A. West, Ph.D.	<i>Associate Professor of History</i>
Christopher J. Wheatley, Ph.D.	<i>Professor of English</i>

John K. White, Ph.D.	<i>Professor of Politics</i>
Tommy Wiklind, Ph.D.	<i>Professor of Physics</i>
Gary J. Williams, Ph.D.	<i>Professor Emeritus of Drama</i>
John R. Winslow, M.F.A.	<i>Professor Emeritus of Art</i>
Rosemary Winslow, Ph.D.	<i>Associate Professor of English</i>
Stephen K. Wright, Ph.D.	<i>Professor Emeritus of English</i>
Andrew Yeo, Ph.D.	<i>Associate Professor of Politics</i>
Julia Young, Ph.D.	<i>Assistant Professor of History</i>
James E. Youniss, Ph.D.	<i>Professor Emeritus of Psychology</i>
Jane Zhang, Ph.D.	<i>Assistant Professor of Library and Information Science</i>

Associates of the Faculty

Jose Aponte-Silva, Ph.D.	<i>Research Associate, Chemistry</i>
Arthur Aikin, Ph.D.	<i>Adjunct Professor of Physics</i>
Vladimir Airepetian, Ph.D.	<i>Research Associate, Physics</i>
Boncho Bonev, Ph.D.	<i>Research Associate Professor of Physics</i>
Cynthia Brewer, Ph.D.	<i>Adjunct Associate Professor, Chemistry</i>
Jeffrey Brosius, Ph.D.	<i>Research Associate Professor of Physics</i>
Carole W. Brown, Ph.D.	<i>Research Associate Professor of Education</i>
Frederick Bruhweiler, Ph.D.	<i>Research Professor of Physics</i>
Massimo Ceresa, Ph.D.	<i>Adjunct Associate Professor of History</i>
Mario E. Cerritelli, Ph.D.	<i>Adjunct Associate Professor of Biology</i>
Peter C. Chen, Ph.D.	<i>Research Assistant Professor of Physics</i>
Pamela Clark, Ph.D.	<i>Adjunct Research Associate Professor of Physics</i>
Glyn Collinson, Ph.D.	<i>Research Associate, Physics</i>
Lawrence Cook, Ph.D.	<i>Research Professor of Chemistry</i>
Martin Cordiner, Ph.D.	<i>Research Associate, Physics</i>
Jennifer A. Crumlish, Ph.D.	<i>Research Associate, Psychology</i>
Erin Dawkins, Ph.D.	<i>Research Associate, Physics</i>
Michael DiSanti, Ph.D.	<i>Adjunct Associate Professor of Physics</i>
Frank Ferguson, Ph.D.	<i>Research Associate, Chemistry</i>
Katherine Garcia-Sage, Ph.D.	<i>Research Associate, Physics</i>
Nicolas Gorius, Ph.D.	<i>Research Associate, Physics</i>
Silvina Guidoni, Ph.D.	<i>Research Associate, Physics</i>
Theodore Gull, Ph.D.	<i>Adjunct Professor of Physics</i>
Iija Honkonen, Ph.D.	<i>Research Associate, Physics</i>
Andrew Inglis, Ph.D.	<i>Research Associate, Physics</i>
Shaela Jones-Mecholsky, Ph.D.	<i>Research Associate, Physics</i>
Keith A. Kaufman, Ph.D.	<i>Research Associate, Psychology</i>
Gladys Vieira Kober, Ph.D.	<i>Research Associate, Physics</i>

Colin Komar, Ph.D.	<i>Research Associate, Physics</i>
Yoji Kondo, Ph.D.	<i>Adjunct Professor of Physics</i>
Vladimir Krasnopolsky, Ph.D	<i>Research Professor of Physics</i>
Alexander Kutepov, Ph.D.	<i>Research Associate Professor of Physics</i>
Allen Lunsford, Ph.D.	<i>Research Associate, Physics</i>
Wladislaw Lyatsky, Ph.D.	<i>Research Associate, Physics</i>
Pertti Makela, Ph.D.	<i>Research Associate, Physics</i>
Mona Mays, Ph.D.	<i>Research Associate, Physics</i>
Hannah McLain, M.S.	<i>Research Associate, Chemistry</i>
Patrick Mehl, Ph.D.	<i>Adjunct Associate Professor of Physics</i>
Vilem Mikula, Ph.D.	<i>Research Associate, Physics</i>
Ryan Milligan, Ph.D.	<i>Research Associate, Physics</i>
Karin Muglach, Ph.D.	<i>Research Associate, Physics</i>
Isabelle Müller, Ph.D.	<i>Adjunct Assistant Professor of Physics</i>
Norman F. Ness, Ph.D.	<i>Research Associate, Physics</i>
Chigomezyo Ngwira, Ph.D.	<i>Research Associate, Physics</i>
Krister Nielson, Ph.D.	<i>Research Assistant Professor of Physics</i>
Teresa Nieves-Chincilla, Ph.D	<i>Research Associate, Physics</i>
Leon Ofman, Ph.D.	<i>Research Professor of Physics</i>
Lucas Paganini, Ph.D.	<i>Research Associate, Physics</i>
Asher Pembroke, Ph.D.	<i>Research Associate, Physics</i>
Sergio Picozzi, Ph.D.	<i>Adjunct Assistant Professor of Physics</i>
Nelson Reginald, Ph.D.	<i>Research Associate, Physics</i>
Michael Reiner, Ph.D.	<i>Research Associate, Physics</i>
Robert Robinson, Ph.D.	<i>Research Associate Professor of Physics</i>
Bruno Sarli, Ph.D.	<i>Research Associate, Physics</i>
Richard Schwartz, Ph.D.	<i>Research Associate, Physics</i>
Ja Soon Shim, Ph.D.	<i>Research Associate, Physics</i>
Andrea Sobel, Ph.D.	<i>Clinical Associate, Education</i>
Jeffrey C. Splitstoser, Ph.D.	<i>Research Associate Professor, Anthropology</i>
Richard Starr, Ph.D.	<i>Research Associate, Physics</i>
Nimalan Swamalingam, Ph.D	<i>Research Associate, Physics</i>
Aleksandre Taktakishvili, Ph.D	<i>Research Associate, Physics</i>
Janet A. Timbie, Ph.D.	<i>Adjunct Associate Professor of Semitic and Egyptian Languages and Literatures</i>
Anne Tolbert, Ph.D.	<i>Research Associate, Physics</i>
Geronimo Villanueva, Ph.D.	<i>Adjunct Research Associate Professor, Physics</i>
Glen M. Wahlgren, Ph.D.	<i>Adjunct Research Associate Professor of Physics</i>
Tongjian Wang, Ph.D.	<i>Research Associate, Physics</i>
Hong Xie, Ph.D.	<i>Research Associate, Physics</i>

Seiji Yashiro, Ph.D.

Research Associate, Physics

Sachiko Yashiro-Akiyama, Ph.D.

Research Associate, Physics

Objectives

Mission Statement

The School of Arts and Sciences of The Catholic University of America:

- Performs a central role in the larger mission of CUA as the national university of the Catholic Church in the United States, and stands within the Catholic intellectual tradition in direct succession to the heritage of Catholic universities
- Enriches educational and research opportunities, enhances cultural life, and engages public discourse through its location in the nation's capital, as intended by the university's founders
- Encompasses the arts and humanities, the social sciences, and the natural sciences, and is uniquely capable of fostering collaboration among the disciplines
- Comprises faculty united in its dedication to integrating research and scholarship with undergraduate and graduate teaching to the highest standards of academic excellence
- Educates its students academically and ethically, and provides them with the knowledge, reason, and inspiration to comprehend and lead in a changing world

Administration

In 1975, the Graduate School and the College of Arts and Sciences were combined to form the present School of Arts and Sciences.

The Academic Council, composed of the heads of departments with the dean as chair, is the standing committee of the faculty, with the primary responsibility for the administration of the school. The Academic Council operates under the supervision of the chancellor, president, provost, and dean. Its recommendations are made to these and other proper authorities, as well as to the faculty. Such recommendations include, among others, the approval of candidates for degrees. The faculty is represented, proportionally to its size, along with the other schools of the university, in the Academic Senate, a combined administration-faculty body having primary responsibility for academic policies and procedures, and in the graduate and undergraduate boards, faculty committees that oversee university-wide academic matters.

Degree programs within the school are provided through the various departments of instruction.

Curricula

Major Programs

The following departmental and interdepartmental majors are offered:

- Anthropology
- Art History/Studio Art
- Biochemistry/B.A.
- Biochemistry/B.S.
- Biology/B.A.
- Biology/B.S.
- Chemical Physics
- Chemistry/B.S.
- Classical Civilization
- Classical Humanities
- Classics (Greek and Latin)
- Drama
- Early Childhood Education
- Education Studies
- Elementary Education
- English Language and Literature
- English and Secondary Education
- Environmental Chemistry/B.S.
- French and Francophone Studies
- German Studies
- Hispanic Studies
- History
- History and Secondary Education
- Italian Studies
- Mathematics/B.A.
- Mathematics/B.S.
- Mathematics and Secondary Education
- Mathematics/Physics/B.S.
- Media and Communication Studies
- Medieval and Byzantine Studies
- Philosophy
- Philosophy/Pre-Law
- Physics/B.A.
- Physics/B.S.
- Politics
- Psychology
- Sociology
- Spanish for International Service

1. Secondary Education programs in Art, Drama, and Modern Languages were suspended as of May 2012; students previously admitted to these programs may complete them.
2. Students interested in Computer Science should consult the Department of Electrical Engineering and Computer Science in the School of Engineering. The Bachelor of Arts with major in Music is offered by the Benjamin T. Rome School of Music. The Bachelor of Social Work is offered by the National Catholic School of Social Service.
3. While majors are not offered in the following subjects, course sequences are provided, making it possible in most instances to meet the requirements for graduate study or for professional certification:
 - a. Library and Information Science
 - b. Semitic and Egyptian Languages
4. The Department of Education offers programs leading to teacher certification at the early childhood and elementary levels, and - through joint programs with subject-area departments - at the secondary level. Secondary education programs are available in English, history, and mathematics. (For music education programs, see the Benjamin T. Rome School of Music section of these *Announcements*.) For more information on certification programs, contact the director of teacher education in the Department of Education.

Accelerated Degree Programs

For additional information on the accelerated programs described below, the student should consult the assistant dean for undergraduate programs in the School of Arts and Sciences.

Three-Year Bachelor's Degree Program

Students of exceptional achievement may fulfill all requirements for the bachelor's degree in three years in residence. This may be accomplished by over-electing six courses each semester after the first (a 3.0 grade-point average is required to over-elect), plus completing five courses during summer sessions. Special recognition at commencement is accorded to students who complete this accelerated degree program. This recognition is not available for students who transfer to CUA from other institutions. The number of courses brought in at matriculation (through Advanced Placement and similar programs) is limited for students seeking this recognition, as is the number of transfer courses after CUA matriculation. Consult the assistant dean for details.

B.A.-M.A./B.S.-M.S. Program

The School of Arts and Sciences offers students with outstanding academic records (minimum 3.5 grade-point average) the possibility of beginning work toward a master's degree during the junior year. In such cases, up to four courses may, with approval, be applied to both undergraduate and graduate degree requirements. However, all requirements for the bachelor's degree must be completed before credits toward the master's degree may be applied, and all M.A. or M.S. requirements must be completed within five years of matriculation.

Application should be made by the end of the sophomore year. A 3.5 cumulative grade-point average is required at the time of application. Juniors and seniors take four graduate courses, ideally one per semester of the junior and senior year. No student may take more than two (2) graduate courses in one semester while completing the B.A./B.S. requirements. arts-sciences.cua.edu/undergraduate/advising-handbook/formbama.cfm

4+1 Bachelor to Master of Science in Library and Information Science (MSLIS)

The 4+1 Bachelor to Master of Science in Library and Information Science (MSLIS) Program is designed for undergraduate students to begin working towards a Master's degree in Library and Information Science while completing their Bachelor's degree. Students in this program will take four, 3-credit, 500-level graduate LIS courses during undergrad and count those 12 credits toward both, the bachelor's degree and the MSLIS degree. lis.cua.edu/4plus1program.cfm

Six-Year B.A.-J.D. Program (Law)

A cooperative program of the School of Arts and Sciences and CUA's Columbus School of Law allows undergraduates to apply for admission to the Columbus School of Law after three years in the School of Arts and Sciences. The program is open to all undergraduates regardless of major field, but enrollment is limited. Acceptance depends upon a superior undergraduate academic record, appropriate score on the Law School Admission Test, and an estimate of the student's ability to pursue the study of law after the junior year. Initial steps to enter the program should be taken before the end of the sophomore year, when a 3.6 grade-point average is required, and application made to the law school in the second semester of the junior year. Successful candidates receive the B.A. degree at the end of the fourth year and the J.D. degree two years thereafter.

During the fourth year of study (which is the senior year of the B.A. program and the first year of the J.D. program at the Law School), students are fully matriculated in the Law School and are required to pay the full tuition and fees charged for the J.D. program, less any financial aid or scholarship awarded.

Students will be considered for financial aid and competitive scholarships at the Law School, but eligibility under this program does

not guarantee an award. www.law.edu/academic/jointprograms.cfm

B.A. in Drama / M.A. in Theatre Education Accelerated Degree

Complete a B.A. in Drama & M.A. in Theatre Education (MATE) within a minimum of five years with this new accelerated degree program. This degree program integrates the undergraduate courses of studies in Drama and the graduate courses for the M.A. in Theatre Education. Undergraduate requirements also include recommended English courses to qualify students for the graduate course work that will contribute to secondary English education certification as well as a minor in English. Juniors and seniors take four 500-level courses as credits toward both their bachelor's and their master's degrees. drama.cua.edu/undergraduate/BA-MATE-Accelerated.cfm

CUAbroad: Education Abroad Programs

CUAbroad (Education Abroad Office) works with the various academic and administrative units campus-wide to provide a wide array of education abroad opportunities for both CUA and non-CUA students. CUAbroad offers short-term as well as semester- or year-long programs, honors study abroad, international internships, and intensive language programs. CUAbroad also provides specialized services to CUA students, such as education abroad advising, an education abroad resource library, issuance of the International Student ID card, and travel insurance information. CUAbroad is part of the Center for Global Education at CUA, which advances the international character of the university by promoting, supporting, and developing international and intercultural education opportunities for members of the CUA community. For information, consult the [CUAbroad website](#).

Professional Education

Education

Preparation for teaching certification is provided for those planning to enter the teaching profession at the early childhood, elementary, or secondary school level. The teacher education unit is fully accredited by the National Council for Accreditation of Teacher Education (NCATE) and its programs are nationally recognized by NCATE's Specialized Professional Associations. All programs are approved by the District of Columbia. A standard teaching certificate may be obtained from the District of Columbia upon completion of a teacher education program. At this time, the District of Columbia has reciprocity agreements with 44 states and jurisdictions.

Preprofessional Advising

Law

Prelegal education is mainly concerned with the development of

1. comprehension and verbal expression,
2. critical understanding of human institutions and the values with which the law deals, and
3. creative power of thinking.

These goals have led the committee on Prelegal Education of the Association of American Law Schools to conclude that college education that emphasizes the development of these basic skills and insights is far more important than "mere education for later professional training and practice." This means that colleges serve the need of later legal training best by stressing the ends of liberal education. While, therefore, thorough learning in any wide cultural field will meet the above mentioned requirements, the special background acquired in one of the following areas of concentration may prove particularly helpful: economics, English, history, philosophy, politics, or sociology. For further information on preparing for law school, interested students may contact the undergraduate office of the School of Arts and Sciences or the Office of Career Services, which provides a thorough [website on applying to law school](#). For more information and advising, contact Dr. Renate Chancellor at Chancellor@cua.edu.

Library and Information Science

CUA's ALA-accredited Master of Science in Library Science program prepares students for leadership positions in the information fields. Graduates may curate and manage cultural heritage information and artifacts; create digital collections; provide information services to faculty and students in higher education; teach information literacy and technology to enhance teaching and learning in K-12 education; serve the information needs of the public; and conduct research and information analysis in law, business, national security, medicine, and other subject fields. Although no specific academic background is necessary for study in this field, the ideal applicant is comfortable with information technology and able to communicate clearly and effectively both orally and in writing. Analytical and problem-solving abilities and an understanding of the research process in a specific discipline are also highly valued. For more information, contact the Department of the [Department of Library and Information Science](#).

Medicine, Dentistry, Allopathic and Osteopathic Medicine, Optometry, Podiatric Medicine, Veterinary Medicine

Premedical Advising at The Catholic University of America includes students preparing for all of the medical fields noted above. The advisement is designed to provide the education, as well as the guidance, that will best enable students to pursue their goals as practitioners or medical researchers. Contact Marion Ficke, M.S., *Premedical Coordinator and Assistant to the Chair, Department of*

Biology at Ficke@cua.edu.

In accordance with the concept of undergraduate study at a liberal arts institution, there is no separate curriculum for premedical instruction. Students choose a major suited to their interests and talents. Most premedical students follow a program of concentration in biology, biochemistry, chemistry, or psychology; however, the premedical student may choose from a wide range of liberal arts majors. Another option is biomedical engineering in the School of Engineering.

The required premedical courses are incorporated into the requirements in certain of the science programs and are taken as electives in other areas of concentration. All of the undergraduate programs in the School of Arts and Sciences are designed to provide a well-balanced liberal education, strongly preferred for premedical students.

Students interested in premedical advising should communicate with the premedical coordinator. CUA also welcomes students who have earned degrees and are interested in pursuing premedical courses.

Bachelor of Arts Degree Requirements

Forty credit-bearing courses of at least three semester hours each are required, with a cumulative grade point average of at least 2.0 for courses taken at this university. At least half the courses in a degree program must be taken at the Catholic University of America. The number of transfer courses after matriculation at CUA is limited to two times the number of years in residence; this limit does not apply to courses brought in at the time of matriculation or to courses taken during CUA Education Abroad programs. In addition, no more than two courses per year may be transferred from summer terms at other institutions.

Normal course load and over-electing

The normal course load is five courses (of three or more credits each) per semester. A student who earns a 3.0 semester grade-point average or has a 3.0 cumulative average may over-elect a sixth course in the following semester. Any student may over-elect a sixth course regardless of gpa in one semester of the senior year but not both (unless the gpa criterion is met). Contact the Office of Undergraduate Programs in McMahon Hall 107 for permission: (202) 319-5114.

Distribution Requirements

For more detailed information on the seven categories summarized below, consult the [Arts & Sciences Advising Handbook](#) (available online) or the undergraduate office of the School of Arts and Sciences.

1. **Philosophy.** Four courses, including PHIL 201 and 202 and one additional course in each of these two areas: *Logic, Morality, and Action*; and *Nature Knowledge, and God*. (For courses within each area, consult the *Program in Philosophy* section of these *Announcements*.)
2. **Theology and Religious Studies.** Four courses, including TRS 201. For specific information, including courses in designated areas, consult the [TRS Undergraduate Program website](#).
3. **English Composition.** ENG 101 (or 103 for non-native speakers), with grade of C- or higher.
4. **Humanities.** Three courses, at least two in the same department.
5. **Language and Literature.** Four courses: two courses at the intermediate level (103-104) in an ancient or modern foreign language; and two courses in ancient or modern literature (including literature in English).
6. **Mathematics and Natural Science.** Four courses, including at least one in mathematics; at least two of the four must be in the same department.
7. **Social and Behavioral Sciences.** Four courses, at least two of which must be in the same department.

Major Program

Twelve to fourteen courses. (In general, no more than fourteen courses are permitted in the major department.) See departmental requirements below in these *Announcements*. Each course in the major must be passed with a grade of C- or higher. Courses in the major simultaneously fulfill the distribution requirement in the area corresponding to that discipline.

Electives

Courses other than distribution and major requirements are free electives. A department may require, beyond specific courses in the major, as many as eight courses in a closely related and necessary secondary field; therefore, the number of electives will vary depending upon the student's major.

Pass-fail grading for free electives. Prior to the deadline published in the [academic calendar](#), free electives may be taken on a pass/fail basis. Approval of the assistant dean is required to make this change. Neither pass nor fail for a course taken on this basis will affect the student's cumulative average, but fail will earn no degree credit. Courses taken pass/fail may not be used to fulfill

major, minor, or distribution requirements.

Senior Comprehensive Assessment

During the senior year, each undergraduate degree student must pass a Senior Comprehensive Assessment, designed and administered by the major department or program. The comprehensive assessment evaluates majors' ability to synthesize the subject matter and methods of the discipline.

Bachelor of Science Degree Requirements

The departments of Biology, Chemistry, Mathematics, and Physics, as well as the program in Biochemistry, offer the degree Bachelor of Science. Students pursuing this degree are required to take more courses in mathematics and science and, to compensate, have the number of free electives and distribution requirements reduced.

Each B.S. program is arranged differently, so students must consult the specific department involved for special requirements of the particular program.

Rules Concerning Probation and Dismissal

A student whose cumulative grade-point average is below 2.0 is on academic probation. A student on academic probation is restricted to a semester maximum of four courses (of three or more credits each) and may not participate in extracurricular activities such as student government and intercollegiate athletics.

For purposes of athletic eligibility, a freshman whose cumulative grade-point average is below 2.0 after the first semester in residence is placed on academic warning and maintains eligibility to participate in extracurricular activities. Academic warning status is for one semester only. The enrollment restriction for students on academic warning is the same as for academic probation. In criteria for dismissal below, academic warning is equivalent to academic probation.

For full information on academic standing, including academic probation and academic warning, see the policies.cua.edu website.

Any of the following is grounds for academic dismissal from the School of Arts and Sciences:

1. Failure to gain a 2.0 cumulative grade-point average after two semesters on academic probation and/or academic warning.
2. Failure in three or more courses in any given semester.
3. At the end of the spring semester of any academic year, a cumulative grade-point average below 1.5.
4. Failure to gain acceptance into a program of concentration after the fourth semester of full-time college work (or after the semester in which the student completes his or her 17th course).

The University reserves the right to review the record of a student at any time for the purpose of determining whether a student meets the standards necessary for graduation. If, in the opinion of the University, this review reveals serious shortcomings, the student may be dismissed.

A student on academic probation may not graduate until he or she has gained a 2.0 cumulative grade-point average.

Minor and Certificate Programs

A student in the School of Arts and Sciences may choose to earn one or more optional minors or certificates in fields outside the major department. (Majors in a foreign language may, however, minor in another foreign language.) Most minors consist of six courses, as specified by the appropriate department. For requirements of specific certificates, see departmental and program listings in the link below. Substitutions are generally not permitted and no course may be taken on a pass/fail basis. A maximum of two courses in a minor may be transferred from other institutions, provided that these courses are evaluated as equivalent to the courses specified. A list of is available here: undergraduestudies.cua.edu/minors/index.cfm

Further information and applications are available in the undergraduate office McMahon 107, School of Arts and Sciences.

Department of Anthropology

Professors	Anita G. Cook, <i>Chair (Spring)</i> , Mimi Schuttloffel, <i>Interim Chair (Fall)</i>
Professor Emeritus	Jon W. Anderson, Phyllis P. Chock; Lucy M. Cohen
Clinical Assistant Professor	John Samuels
Lecturers	David T. Clark; Sandra Scham; Luis Antonio Curet; Ilona Flores; Stanley Herman; Adriana Greci-Green; Tadeusz Mich; Patricia Maloof; Miriam Doutriaux

Anthropology is the study of human diversity from the Paleolithic to the present through comparisons of how humans form and think about communities, make a living, shape and are shaped by the environment, communicate, express themselves in art, religion, language, and in practical activities. Anthropologists integrate different kinds of data about past and contemporary ways of life in the natural situations where people live or have lived, such as an archaeological site, a village, or an urban metropolis, but also virtual worlds and even global networks. The aim of anthropological study is to develop composite, empirically based accounts of human life and cultures. Students in anthropology acquire a broad perspective on social and cultural dimensions of diverse ways of life, including our own, and tools for integrating specialized knowledge into perspectives on global processes that shape our world.

Courses for anthropology majors leading to a B.A. include three courses in the foundational disciplines of cultural anthropology (101), archaeology (108), human biology and evolution (105); a pair of core courses on anthropological perspectives (200) and research design and conduct (201); six topical electives; and a senior capstone that can be a seminar (452), internship/practicum (453), or independent research (493) directed by a faculty member. Courses in the HSSS sequence serve for social science distribution requirements or as free electives for majors. An overall GPA of C is required for acceptance into the major, and GPA of B in the major courses is required for continuing in the major.

For other majors, the distribution requirement in math/natural science may be fulfilled by ANTH 105, 108, 218, and 354.

The distribution requirement in social sciences for non-anthropology majors may be fulfilled by any ANTH course other than those designated as fulfilling the natural science requirement.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Department of Art

Professors Emeriti	Thomas Nakashima; John R. Winslow
Associate Professor	Nora M. Heimann, <i>Chair</i>
Assistant Professors	John G. Figura, Jonathan Monaghan
Lecturers	Jeffrey Andrews; Matthew Barrick; Adam Bradley; Dr. Dena Crosson; Peter Dueker; Dr. David Gariff; Dr. Konstantina Karterouli; Kevin Mitchell; Dr. Susan Nalezty; Manuel Navarrete; Beverly Ress; Erik Sandberg; Dr. Heather Turnbow

"Between the world of men and transcendent divinity there exists art. Art is the will to truth made physically manifest."
-Andre Malraux

The Department of Art is devoted to nurturing the production and understanding of artistic expression, one of the oldest, most vital, and most human of endeavors. The department offers programs in art history and studio art leading to a Bachelor of Arts degree. Together, these programs are dedicated to the proposition that art and culture are one, and that exposure to the visual arts is an essential component of every liberal education. Our goal of fostering a greater appreciation of the arts is especially fitting at The Catholic University of America, given both the historic tradition of brilliant art patronage by the Catholic Church, and the outstanding resources of Washington, D.C. Among the many nearby institutions that offer world-class art collections are the National Gallery of Art, the Smithsonian Institution, the National Museum of Women in the Arts, the Phillips Collection, the Kreeger Museum, the Hillwood Museum, and Dumbarton Oaks. Students in the department are encouraged to utilize these resources through study, institutional internships and sponsored research, whenever possible.

Through courses both within and outside the department, art majors are provided with a broad introduction to the humanities, as

well as a sophisticated initiation into the practice, theory, and appreciation of the arts. The major in the studio art program takes two courses each in the fundamentals of design, drawing and composition, and art history, followed by a three-course sequence in painting, sculpture or digital arts, plus one additional studio art elective. Studio art majors are also required to take contemporary art history. The major in the art history program takes survey courses in the history of art and architecture, one studio course, and a selection of specialized courses from each of the following three periods: Ancient and Medieval, Renaissance and Baroque, Modern and Contemporary. Majors in both programs take Junior and Senior Seminar. Art history majors take comprehensive examinations in their senior year. Studio art majors produce a creative project under the direction of an art faculty member to fulfill the senior assessment requirement. Seniors in art history who qualify for honors have the opportunity to earn further distinction by writing a senior honors thesis under the supervision of their faculty adviser.

To be accepted as a major, an applicant for the program in Studio Art must have at least a B average in ART 101, 102 or 231, 207, 208, 211, and 212. (PLEASE NOTE: Taking ART 201 and 202 *Drawing and Composition I & II* will not replace the requirements for ART 207 and 208.) An applicant for the program in Art History must have at minimum a B average in ART 211, 212, 332, and one other art history course. Students who have not completed these courses with the requisite grade by the end of their sophomore year will only be accepted conditionally until these requirements are completed.

Student with a GPA greater than 3.2 are encouraged to pursue double majors (the B.A. in Art plus another disciplinary area). Double majors may be arranged through the Department of Art, the other department, and the Dean of the School of Arts and Sciences. Minors in studio art and art history are also available.

Please Note: Due to space restrictions, certain courses have limited enrollments. Students who wish to enroll in these courses (labeled "departmental approval required" [DA]) should contact the department office at the time of registration to receive permission to enroll.

B.A. with Major in Studio Art

Required art courses: ART 101, 102 or 231, 207, 208, 211, 212, 332, 353, 451, and any three courses in the following areas: painting, sculpture or digital arts; one course in one of the remaining two areas and one studio art elective.

B.A. with Major in Art History

Required art and art history courses: ART 211, 212, 332, 451A, and one course from each of the following three periods: Ancient and Medieval (ART 317, 318), Renaissance and Baroque (ART 319, 320, 321, 322, 327, 365, 368); Modern and Contemporary (ART 323, 324, 325, 326, 331, 334, 357, 367, 420); in addition, four electives chosen from the three categories of period courses above or from other art history courses; and one of the following studio courses: ART 201, 202, 303 or 304.

Departmental Honors in Art History

Students with honors-level grade point averages who wish to receive departmental honors in art history may apply to write a senior honors thesis by submitting a two-page proposal for their thesis (including a description of topic and an annotated bibliography). To qualify, these students first must have evidenced a superior performance in the major, as well as the ability to complete the proposed paper topic. The thesis proposal must also be approved by the student's faculty adviser and one outside reader before the start of the student's senior year. Progress in completing the Senior Honors thesis will be guided through the student's enrollment in ART 481 (Senior Honors Tutorial). Awards will be given to thesis projects that successfully demonstrate a high degree of scholarly achievement and self-motivation.

Digital Art & Design Undergraduate Certificate

The Digital Art & Design Certificate gives students from all disciplines a unique, competitive edge by supplementing their major area of study with a series of specific digital communication and design skills, including web design, print design, digital photography, Photoshop, Illustrator, video production and 3D animation. The certificate will arm students with a foundation in the essential design skills and integral technical prowess needed for creating engaging forms of expressive communication necessary to insure an advantage in today's highly competitive job market. This certificate is guided by the conviction that today's most powerful and dynamic tools belong in the hands of CUA's students, helping them to become more powerful and dynamic members of the new economy. The certificate requires a total of six courses: Art 231 Intro to Digital Design, 1 Core Course, 4 Certificate Electives from an approved list of digital production-based courses.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Program in Biochemistry

Program Committee John Golin, Biology; Gregory Miller, Chemistry

An interdepartmental committee (biology and chemistry) administers the major program in biochemistry. Students following this program will fulfill the course requirements for entrance to graduate programs and the science course requirements for medical schools. Undergraduate research is encouraged. Further information can be obtained from the chemistry/biochemistry adviser.

Prerequisites. BIOL 105, 106; CHEM 103, 113, 104, 114, 203, 213, 204, 214; PHYS 215 (or 205), 216 (or 206), 225, 226; MATH 111 (or 121), 112 (or 122).

Required for the B.S. CHEM 351, 353, 401, 405, 408, 418, 471, 472, 496; two of the following: BIOL 207, 217, 418, 449, 538, 586, or another advanced course with the approval of the biochemistry committee.

Required for B.A. CHEM 351, 353, 405, 408, 471, 472, 496; two of the following: BIOL 207, 217, 418, 449, 538, 586, or another advanced course with the approval of the biochemistry committee.

Department of Biology

Professors	John E. Golin, James J. Greene; Venigalla B. Rao, <i>Chair</i> ; Pamela L. Tuma
Professors Emeriti	J. Michael Mullins; Roland M. Nardone
Associate Professor	Ann K. Corsi
Clinical Associate Professor and Director, Biotechnology Program	Franklin Portugal
Clinical Assistant Professor and Director Clinical Laboratory Science Program	Wadad T. AlSalmi
Assistant Professors	John Choy, Justin Chung, Ekaterina Nestorovich
Assistant to the Chair and Premedical Coordinator	Marion B. Ficke
Lecturers	Lori Estes, Wendy Fibison, Dinari Harris Martha Knight, Mani Vinod Kurian, Leonardo Marino- Ramirez, Rebecca Sheets

The Department of Biology offers programs leading to the degrees Bachelor of Arts and Bachelor of Science. Students may choose to pursue the honors track in biology by selecting the prescribed research courses and advanced electives. As part of the new program in Biotechnology, qualified students may pursue a five-year combined Bachelor of Science in Biology/Master of Science in Biotechnology. A five-year course combined Bachelor of Science/ Master of Science is also available to qualified students.

Undergraduate course offerings in the Department of Biology are intended to provide both majors and minors with current information necessary for the understanding of life processes and their bearing on contemporary problems and objectives. A major in biology automatically fulfills requirements for most schools offering postgraduate studies in medicine, dentistry, or veterinary medicine, as well as for graduate studies in various disciplines within biology and related fields. Preparation for postgraduate employment in biological and biomedical research is available through selected offerings. The program in Biotechnology is intended to provide students with a solid technical foundation in the biological sciences together with an understanding of how to conduct the business of biotechnology.

The distribution requirements in natural science may be fulfilled in part by BIOL 103 and 104. Certain other biology courses may be taken by a limited number of non-majors, with the permission of the instructor, to complete the requirement or for a minor in biology.

Prerequisites for a major in biology. BIOL 105, 106, 207, 217, 317; CHEM 103, 113, 104, 114, 203, 213, 204, 214; MATH 111, 112 or 121, 122. Required. BIOL 449, 452, 454, two other biology courses; PHYS 205, 206, 225, 226. Students electing the B.S. will select additional biology courses.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Program in Chemical Physics

An undergraduate major designed to meet the increasing need for scientists with strong backgrounds in both chemistry and physics, the chemical physics program is administered by an interdepartmental committee (chemistry and physics). Further information can be obtained from the chair of the Department of Chemistry or the Department of Physics.

Prerequisites. CHEM 103, 113, 104, 114, 203, 213; PHYS 215, 216, 225, 226, 506; MATH 121, 122, 221, 222.

Required. CHEM 351, 352, 401; PHYS 435, 436; CHEM 435, 436, or PHYS 431, 432, PHYS 411 or MATH 411, PHYS 412 or MATH 412, two physics seminars - PHYS 451 and 452; four additional courses in science or mathematics that must be approved by the advisor.

Majors are encouraged to participate in the ongoing chemical physics research at the university.

Department of Chemistry

Professors	Aaron Barkatt; Greg Brewer, Chair, Vadim Knyazev
Professor Emeritus	Diane Bunce; Ildiko Kovach
Associate Professor	Gregory Miller
Adjunct Associate Professor	Cynthia Brewer
Clinical Assistant Professor	Katherine Havanki
Research Professor	Lawrence Cook

The Department of Chemistry offers several programs that lead to the B.A. or B.S. degree. The curricula are designed to prepare the student for a career in industry, for admission to a graduate program in chemistry or biochemistry, or for admission to medical school.

Prerequisites. CHEM 103, 113, 104, 114, 203, 213, 204, 214; PHYS 205 or 215, 225, 206 or 216, 226; MATH 111 or 121, 112 or 122. Minimum grade requirements for acceptance as a major are a C- average in each chemistry course, a C- average in each physics course, and a C- average in each mathematics course.

B.S. in Chemistry

This option, certified by the American Chemical Society, is designed to prepare students for graduate study or for employment as practicing chemists.

Required. CHEM 311, 351, 352, 353, 401, 405, 408, 418, 471, an approved CHEM laboratory elective; MATH 114 or a MATH above the 100 level; four additional courses that must be approved by the advisor. The minimum grade requirement for these courses is a C-.

B.A., B.S. in Biochemistry (see Biochemistry)

The B.A. and B.S. programs are administered by an interdisciplinary committee made up of professors from the departments of biology and chemistry.

B.S. in Chemical Physics (see Chemical Physics)

This interdisciplinary major is administered jointly by the departments of chemistry and physics.

B.S. in Environmental Chemistry

For students interested in environmental issues, this option emphasizes environmental chemistry and related topics.

Required. CHEM 110, 311, 317, 318, 351, 353, 405, 408, 418, 471; MATH 114; BIOL 105, 106, 449; an environmental policy course; ENGR 438. The minimum grade requirement for these courses is a C-.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Department of Drama

Professor	Thomas F. Donahue; Gary K. Sloan
Professor Emeritus	Gary J. Williams
Associate Professors	Gail Beach, <i>Assoc. Chair</i> ; Marietta Hedges; Eleanor Holdridge, <i>Producer</i> ; K. Jon Klein; Patrick Tuite, <i>Chair</i>
Assistant Professor	Rosalind M. Flynn
Lecturers	Kathryn Chase Bryer; Dody DiSanto; Melissa Flaim; Robb Hunter; Mark Jaster; Sabrina Mandell; Brandon McCoy; Thomas Morra; Mary Naden; Mary Resing; Janet Stanford; Brent Stansell
Web Address	http://drama.cua.edu

The goal of the Department of Drama is to offer opportunities for intellectual growth and cultural enrichment and for the development of imaginative, disciplined expression in the theater. It seeks to provide undergraduates with practical skills in their respective fields and a sound knowledge of the history and literature of the theater. The faculty is committed to providing both productions and academic programs of high quality, believing that each enriches the other.

The undergraduate program leads to a Bachelor of Arts degree, the goal of the Department of Drama being to offer the study of and training in the theater within the full curriculum of a liberal arts education. This program differs from conservatory type training.

The Bachelor of Arts program in drama consists of 10 required courses (101, 104, 201, 202, 206, 207, 305, 306, 312, 451) and four electives, chosen from the other courses listed below. Students declaring an interest in majoring in drama are required to take two courses in history and a course in Shakespeare among their distribution courses.

Students majoring in drama are required to earn crew credits. They accrue one crew credit by working satisfactorily for a minimum of 60 hours on one or more approved department productions. The work may include set construction, costume construction, light, sound, property, running or house crews. Students must earn one crew credit for every year they are in the department. This amounts to 240 hours of work over four years. Transfer students must earn one crew credit for each year that they spend in the Department of Drama. Complete regulations are available in the student handbook which is available in online and in the Main Office.

A student must repeat any major course in which the grade awarded is below C-.

In sum, to graduate with a major in drama, the student must have completed 14 drama courses (10 required courses plus four drama electives) and have fulfilled his or her crew credits. To be admitted to the comprehensive examinations, students must have completed or be in the process of completing all required drama courses and crew credits. Comprehensives are normally taken in the second semester of the senior year.

Students majoring in Drama who maintain a GPA of 3.5 are qualified to complete an accelerated B.A./M.A. in Theater Education. Students may earn the B.A./M.A. and a Minor in English in 5 years.

The Department of Drama offers courses that are included in the following minors and certificate programs: Minor in [Asian Studies](#), [Minor in Performing Arts Management](#), [Certificate in Digital Art and Design](#), [Certificate in Irish Studies](#), and [Certificate in Video Production and Digital Storytelling](#).

The department also offers a minor to students in other departments. The drama minor requires six courses: 101, 104, 206; two courses from 201, 202, or 305; one course from 207, 312, or 565.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Department of Education

Professors	John J. Convey, St. Elizabeth Ann Seton Professor and Department Chair; Merylan J. Schuttloffel; Shavaun Wall, Euphemia Lofton Haynes Professor
Professors Emeritus	Sarah Pickert
Associate Professors	Agnes Cave; Rona Frederick
Assistant Professors	Kathryn E. Gadacz Bojczyk; Angela McRae; Liliana Maggioni
Research Associate Professor	Carole Williams Brown
Head of the Educator Preparation Unit	John J. Convey
Director of Teacher Education	Liliana Maggioni
Director of Field Experiences	Elsie Neely

The Department of Education, a scholarly community of faculty and students, shares in the general mission of The Catholic University of America. Through instruction, research and service, the department contributes to knowledge and practice in education and prepares graduates to assist in the academic, personal and social development of students. The department prepares teachers and other practitioners to work in Catholic, private, charter and public schools and other settings. The Department of Education is the governing unit for the accredited education programs. The faculty of the Department of Education and the Benjamin T. Rome School of Music provide the professional education courses in early childhood, elementary, secondary and music education. The Council on Teacher Education is the advisory board for the department.

The governing objectives of all teacher education programs are:

1. knowledge of educational goals and values and their social/historical roots;
2. competence in the content areas of specialization and in the other fields of knowledge pertinent to the individual program;
3. understanding of the social, emotional, intellectual, and physical needs of children;
4. skill in selecting and using appropriate teaching methods and instructional materials;
5. development of effective strategies for evaluating student learning and growth;
6. development of a reflective capacity for continual reappraisal of one's teaching philosophy, objectives, methods and materials.

Teacher education candidates are expected to have a thorough understanding of students, school context, and subject matter, and the ability to make informed decisions about teaching issues. See the *Teacher Education Handbook* for further information.

Teacher Education Program

The overall purpose of teacher education at The Catholic University of America is to help candidates acquire the knowledge, skills, dispositions, and reflective qualities essential for the professional practice of teaching. By developing a reflective, problem-solving orientation toward teaching, graduates of this program are empowered to examine critically their own actions and the context of these actions for the purpose of a more deliberative mode of professional activity. The outcome should be self-directed teachers who use professional knowledge to actively, persistently, and carefully improve their practice.

A program of studies in education includes the basic general education and professional courses required by the certifying authorities of most states. It is designed to provide candidates with opportunities for study in the liberal arts and sciences, educational foundations, learning theories, and teaching methods with internship experiences across a four-year sequence. Attention is also given to curricular and instructional strategies for exceptional students and students in varied cultural settings, as well as to an increased demand for technology integration.

The early childhood, elementary, and secondary education programs offer candidates the opportunity to acquire essential knowledge, skills, and dispositions for beginning teachers. Candidates who plan to teach children in preschool, kindergarten, or grades one through three should major in early childhood education. Candidates who plan to teach grades one through six should major in elementary education. Early childhood and elementary education majors may choose to minor in a subject area, e.g., history, math, or science. Joint programs in secondary education are offered in English, history, and mathematics. Consult the Department of Education and the department in which you wish to specialize for information about specific programs. Students from other majors may also minor in early childhood, elementary and secondary education.

The B.A. programs in early childhood, elementary, and secondary education provide coursework leading to state teaching licenses. Completing a teacher preparation program does not automatically certify a teacher. A formal application to each state in which a candidate wants to be licensed has to be made and testing, such as the Praxis, may be required.

Candidates may minor in secondary education with an option to complete a one-year M.A. program in teacher education. Candidates may also pursue teaching certification in music education. (Contact the Benjamin T. Rome School of Music for further information.)

The teacher education unit has been accredited by the National Council for the Accreditation of Teacher Education (NCATE) since 1975. The following programs are state approved and have received national recognition by the specialized professional associations: early childhood education, elementary education, and secondary education programs.

Early Childhood and Elementary Education

- General education requirements (philosophy, theology and religious studies, humanities, language/literature, behavioral/social sciences, math/natural sciences).
- A sequence of education courses including a full-time, 14-week student teaching assignment during the senior year (for early childhood: 400, 401, 402, 403; for elementary: 400, 411, 412, 413. Application to the Director of Teacher Education must be made in the second week of the semester prior to student teaching. Candidates may not take more than one other course while student teaching. Candidates must also sign up for their undergraduate comprehensive exam (EDUC 498).

Secondary Education

- General education requirements (philosophy, theology and religious studies, humanities, language/literature, behavioral/social sciences, math/natural sciences).
- An approved 10-course sequence (minimum) in a content area. See respective departments.
- A minimum of four education courses is required in an approved sequence: 251, 271, 586, and content methods. EDUC 582 Reading in the Content Areas is required for English and Social Studies majors and encouraged for all other candidates. Twenty- hour practicum experience is required with EDUC 586 and EDUC 582 and 30-hour practicum experience is associated to methods courses.
- A full-time, 14-week student teaching assignment (EDUC 400, 461, 462, 463) occurs during the senior year. Application to the Director of Teacher Education must be made in the second week of the semester prior to student teaching. Candidates may not take more than one other course while student teaching. Candidates must also sign up for their undergraduate comprehensive exam in education (EDUC 498).

Initial Acceptance to the Teacher Education Program

- Completion of the teacher education application and submission of essay by April 1 of the sophomore year.
- A 3.00 cumulative grade point average.
- A 3.00 GPA in the major. For secondary education candidates, the GPA is based on major requirements and any additional courses required for licensure.
- Two education faculty letters of recommendation (from sophomore level education faculty). For secondary education candidates, one of the letters of recommendation must be written by a faculty member at the major department.
- A passing score on each part of the Praxis/CORE tests in reading (156), writing (162), and mathematics (150)
- Successful completion of specified requirements, such as key assessments and various assignments during field experiences (e.g., tutoring journals and observation papers).
- If almost all the admission requirements are met, the Teacher Education Committee may allow the candidate to enter the program on a provisional status for one semester. If the candidate does not meet all the requirements by the end of the provisional semester, the candidate will be denied admission.

Continuance and Application for Student Teaching

- A 3.00 cumulative grade point average and a 3.00 in the major in every semester. If the candidate's GPA drops below the established minimum of 3.00 cumulative and 3.00 in the major after admission to Teacher Education, the candidate will be placed on probation for one semester in which time the candidate must attain the required GPA. Candidates cannot student teach without attaining the required GPA. Also, approval to student teach is not automatically granted upon completion of academic requirements. If weaknesses or deficiencies are noted in subject matter knowledge, pedagogy, communications, interpersonal skills or dispositions, the Director of Teacher Education may put the candidate on probation and require the candidate to take additional coursework, do an additional practicum or obtain personal counseling. Each candidate is allowed to have only one provisional and one probationary semester.
- Early childhood, elementary and secondary education candidates must take the appropriate PRAXIS II content test before student teaching.

- Successful completion of specified requirements, such as key assessments and various assignments during field experiences (lesson plans, thematic unit, mini Action Research Project, and satisfactory grades in methods courses). A C- minimum is required for all education courses as well as general education/ distribution requirements to be eligible for a license.

Graduation

- A grade of at least C- in each course required for licensure. Successful completion of the teacher education program (i.e., education courses, courses in the major, courses related to the major).
- Successful completion of field experiences and specified requirements, such as key assessments and various assignments during field experiences (e.g., Action Research Paper, student teaching evaluation).

Licensure

- Completion of electronic portfolio, which is also presented to Education faculty.
- Completion and submission of an Electronic Educator Licensure Application through the Educator Credential Information System (ECIS), criminal background check and DC application fee.
- Passing scores on both content and pedagogy PRAXIS II tests (see www.ets.org).

Transportation Responsibility

Transportation to and from agencies or schools used for practicum, student teaching and any other field experiences is the personal responsibility of the candidate.

Education Studies Program

This program does not lead to a teaching license. Instead, it provides majors in Education Studies the skills they need for employment in a variety of settings. These settings include local, state or federal government education positions; industry and/or trade association education positions; or education positions in hospitals, museums, foundations, professional associations, or charitable organizations. This is the most flexible undergraduate major offered by the Department of Education at the Catholic University of America. Programs of study are designed by the candidate and the candidate's adviser to satisfy the wants of the candidate, and his or her hopes for employment upon graduation.

The Education Studies Program informs majors who want to work with or for children in non-school settings. It prepares majors to understand the ways schools function and to gain firsthand knowledge of how outside agencies may enhance or impede the work of schools. Candidates majoring in education studies gain knowledge enabling them to be informed citizens and parents who understand how to interact constructively with schools. Through its several foci, this program may also teach majors how to enter, manage, or begin businesses related to education; how to design educational products; or how to obtain employment in educationally related mass media, including public relations, advertising, or print journalism. Education Studies majors can also focus on education issues relevant to the workplace or the United States justice system or those of concern to special populations.

Each major's program must be approved by the coordinator of Education Studies; every program will contain at least one special focus. Advising about focus and course selection will take into consideration the candidate's personal needs and career goals. Usually, candidates enroll in one or more semesters of practicum or internship that serves to draw together their coursework in a culminating experience that serves to acquaint candidates with the real world of work.

In order to be accepted as an Education Studies major, candidates must have at least a 2.3 cumulative average and must apply to and be accepted by the School of Arts and Sciences with the approval of the Department of Education. Application forms for admission to this program are obtained from the department. Candidates whose grade point average falls below 2.0 may be dropped from this major.

Courses Offered

Please consult the Web site <https://cardinalstation.cua.edu> for descriptions of courses offered in the current semester.

Department of English Language and Literature

Professors	Glen M. Johnson, <i>Chair</i> ; Ernest Suarez; Christopher J. Wheatley
Professors Emeriti	Jean Dietz Moss; Virgil Nemoianu; Sister Anne O'Donnell; Joseph M. Sendry; Stephen K. Wright
Associate Professors	Tobias Gregory, <i>Director of Graduate Studies</i> ; Lilla Kopar, <i>Director of Medieval Studies</i> ; Michael

	Mack; Rebecca Rainof-Mas; Rosemary Winslow
Assistant Professors	Gregory Baker, Daniel Gibbons, <i>Director of Undergraduate Studies</i> ; Megan Murton
Clinical Assistant Professors	Taryn Okuma; Kevin Rulo; Pamela S. Ward, <i>Director of Composition and Writing Programs</i>
Lecturer	Anca Nemoianu

The major in the Department of English centers on the study of literature as the focal point of a liberal education. To encounter some of the best writing in English is to engage some of the most significant operations of the language itself, as well as to trace the development of traditions in thought and expression that link us to the past and guide us into the future. Core courses for the major provide extensive reading in the history of English and American literature, at least two literary genres (in the junior reading courses), Chaucer, Shakespeare, and the work of at least one more major author (in the senior seminar). The departmental faculty seeks to develop in the student a progressively more differentiated sense of literary history, a more discriminating sense of literary value, and a more sophisticated understanding of the cultural and social roles of literature. At the same time they strive to make students aware that literature, while a strenuous test for the intellect, is also a deeply satisfying, lasting source of enjoyment.

Increased sensitivity to literature is inevitably accompanied by increased sensitivity to language. To bring students maximum benefit from this reciprocal growth, the department systematically cultivates their powers of written expression. Writing and learning, language and thought, are linked not only in courses explicitly devoted to composition and rhetoric but also in the core literature courses required of all English majors, where the essay becomes a principal means for exploring and developing ideas.

Besides a mind well nurtured and well informed, the English major can expect to leave college with distinct advantages in approaching a career. Those most directly related to the undergraduate study of English include teaching at the secondary level or (after graduate study) the college and university levels and work in fields such as editing, publishing or writing. But because a broad cultural background and a command of clearly conceptualized, well-written prose are increasingly valued as preparation for advanced professional studies—as, for example, those in law or business—and indeed for the professions themselves, the study of English is a promising point of entry to a variety of careers.

Required. 231 and 232; two courses from the group 331, 332, and 333; 351 or 352; 431 and 432; 461 or 462; and four other upper-division courses in English or American language and literature. Besides courses in English and American language and literature numbered 300 and above, two of the following courses carrying lower numbers may be used to fulfill part of the requirement for "four upper-division courses": ENG 235 and 236 (American Literature) and HSHU 102, 203, and 204 (University Honors). One upper-division course in writing (e.g., ENG 301, 302, 326, 327) may be included among the courses for the major. ENG 331, 332, 333, 431, and 432 are open only to English majors.

For acceptance as an English major by the junior year, a minimum average of 2.5 is required in 231 and 232. Majors who have received a grade of C or lower in a 100-level writing course (101, 103, 105) are required to include among their upper-division English offerings a course in expository or argumentative writing (326 or 327).

English majors are required to pass a comprehensive examination during the Fall semester of senior year. Details are available from the undergraduate advisor.

Six courses are required for a MINOR in English: 231, 232, and four other courses at the level of 300 or above, no more than one of which may be in writing; 235 and 236 may be counted among the four other courses.

An interdisciplinary minor in rhetoric and writing is offered for students whose major is outside the Department of English. For details see Dr. Stephen McKenna, Department of Media Studies.

In collaboration with the Department of Education, English majors may follow a joint program in secondary education as preparation for certification to teach English at the high school level. English majors who wish to avail themselves of this choice should consult the undergraduate advisers for both departments as soon as possible in their undergraduate careers, so as to ensure that they leave room in their schedules for all the required courses in both fields. Special attention should be paid to the regulations of the two departments where courses in writing are concerned. See also the Department of Education section of these *Announcements*.

The H. Edward Cain Prize is awarded each year to the graduating English Major judged by the English faculty to have achieved exemplary scholarly excellence in the study of literature. The recipient of this award is recognized at Honors Convocation.

The Thomas O'Hagan Prize is offered for the best poem written by an undergraduate in a competition held during the Spring semester of each academic year. Details on this prize are available from the Department of English.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Program in European Studies

Program Director: Dr. Garcia-Donoso (GarciaDonoso@cua.edu)

Website: <http://euro.cua.edu>

The Certificate in European Studies is a multidisciplinary program open to all undergraduate students. The Certificate provides credentials to supplement the student's major field. Unlike a minor, the Certificate requires courses from different disciplines, studying the history, politics, and culture of Europe and the European Union from various perspectives and modes of inquiry. Students become knowledgeable in at least one of the cultures of Europe; they acquire advanced language proficiency in at least one European language other than English; and they immerse themselves in European culture through either study abroad or an internship.

Requirements:

1. **Advanced language proficiency** in at least one modern European language other than English. This requirement is fulfilled by successful completion of a 204-level course in French, German, Italian, Spanish, or another language spoken in Europe. Test scores, AP exam scores, transfer courses, and language courses taken abroad qualify as well.
2. **Participation in a study abroad program** in a European country. The study-abroad program requires approval by the Certificate adviser. In special circumstances, students may petition to complete this requirement with an internship related to a European country or the European Union, either in the U.S. or abroad. Students who both study abroad and complete an internship may count the internship as an elective course for the Certificate.
3. **Two gateway courses** taken at CUA: EURO 201: European Culture EURO 202: European Politics OR EURO 203, European History
4. **Four elective courses** from at least two different departments. A minimum of two courses must be from a department outside the student's major. Electives can be selected from a list of approved courses; transfer courses and courses taken abroad require the adviser's approval to be applied to the Certificate program.

Department of Greek and Latin

Professor	William E. Klingshirn
Professor Emeritus	Frank A.C. Mantello
Associate Professor	William J. McCarthy; John F. Petruccione; Sarah Brown Ferrario, <i>Chair</i>
Lecturers	Stephanie Layton Kim; Joseph F. O'Connor
Web site	http://greeklatin.cua.edu

The Department of Greek and Latin provides students with opportunities to study the world of antiquity and to acquire a broad understanding of Greece and Rome within the context of Western civilization. It offers courses in Greek and Latin language and literature and in various aspects of classical culture. Students are encouraged to pursue an interdisciplinary approach. In their search for an intimate understanding of the ancient Greeks and Romans and their society, specialists will wish to read and study what they wrote as they wrote it. But students who are interested in Western culture and its foundations in the classical world are encouraged to avail themselves of those departmental courses that do not presuppose or require knowledge of either Greek or Latin. These "non-language" courses, listed below under the rubric "Classics," make use of modern translations of basic writings and documents to permit non-majors to study classical literature, mythology, history, arts, and culture.

A classical education has always been highly esteemed, and is frequently recommended to those who intend to pursue careers in any of the professions such as law or politics or to proceed to graduate school. The department's programs have been designed not only to provide an excellent preparation for a professional career, but also to meet the needs of students who wish to work toward graduate degrees in the field of classical studies. They value their practical mastery of one or both of the world's most influential languages and literatures, as well as the habits of firm, critical judgment; precise and articulate expression; and intelligent, responsible reflection that derive from the careful and dedicated study of the sources of our Western literary, philosophical, and artistic civilization.

Major Programs

Classics (Greek and Latin)

This major emphasizes competence in both ancient languages. It consists of six or seven courses in Greek, six or seven in Latin, and four in ancient history and art history, and in the senior year requires a senior project.

Prerequisites. Elementary Greek (GR 101-102) and Latin (LAT 101-102) or the equivalent.

Required. Intermediate Greek (GR 103-104) or two Greek electives beyond 104, Greek 465 (Advanced Greek Seminar), GR 411 (Greek Prose Composition), and two other courses in Greek authors; Intermediate Latin (LAT 103-104) or two Latin electives beyond 104, LAT 465 (Advanced Latin Seminar), LAT 411 (Latin Prose Composition), and two other courses in Latin authors; one Greek or Latin elective; CLAS 205-206 (History of Ancient Greece and of Ancient Rome), CLAS 317-318 (Greek and Roman Art and Architecture), CLAS 425 (Senior Tutorial), and CLAS 426 (Senior Project).

Classical Humanities

This major allows two options: Greek or Latin. The Greek option requires competence in Greek and selected areas of classical civilization. The Latin option requires competence in Latin and selected areas of classical civilization. Both options allow for the possibility of studying the other language through at least the intermediate level and both require a senior project.

Greek option:

Prerequisite. Elementary Greek (GR 101-102).

Required. Intermediate Greek (GR 103-104) or two Greek electives beyond 104, GR 465 (Advanced Greek Seminar), GR 411 (Greek Prose Composition), and two courses in Greek authors; CLAS 205-206 (History of Ancient Greece and of Ancient Rome), CLAS 313 (Roman Literature in Translation), CLAS 317-318 (Greek and Roman Art and Architecture), CLAS 425 (Senior Tutorial), and CLAS 426 (Senior Project); and four additional courses approved by the department's undergraduate adviser, either in the other classical language or in a cognate field.

Latin option:

Prerequisite. Elementary Latin (LAT 101-102).

Required. Intermediate Latin (LAT 103-104) or two Latin electives beyond 104, LAT 465 (Advanced Latin Seminar), LAT 411 (Latin Prose Composition), and two courses in Latin authors; CLAS 205-206 (History of Ancient Greece and of Ancient Rome), CLAS 312 (Greek Literature in Translation), CLAS 317-318 (Greek and Roman Art and Architecture), CLAS 425 (Senior Tutorial), and CLAS 426 (Senior Project); and four additional courses approved by the department's undergraduate adviser, either in the other classical language or in a cognate field. Students who wish to teach Latin and classical antiquity at the high school level may complete this major and the minor in secondary education offered by CUA's Department of Education.

Classical Civilization

This major makes the systematic study of classical civilization accessible to students who do not wish to major in the Greek and/or Latin languages. It is an interdisciplinary program that focuses on the history, thought, and culture of the ancient Mediterranean world from the Bronze Age to the rise of Islam. The program requires students to examine the ancient Mediterranean from a variety of perspectives: literary, historical, and art-historical. By studying the cultures of Greece and Rome from diverse points of view, students will be able to place these in wider geographical, sociological, and cultural contexts. This major thus offers students the opportunity to examine in their totality civilizations that are not only intrinsically interesting, but have left an indelible imprint on the modern world.

Prerequisites. None. Majors are strongly encouraged to fulfill their language requirement in Greek or Latin and to take Greek or Latin courses beyond the 102 level, but they are not required to do so.

Required. The program begins with seven required core courses in ancient history (CLAS 205, 206), Classical literature in translation (CLAS 312, 313), Greek and Roman art and architecture (CLAS 317, 318), and Classical mythology (CLAS 211), plus CLAS 425-426 (Senior Tutorial and Senior Project). The four remaining courses may be chosen from among the "Classics" offerings of the department and, with the undergraduate adviser's approval, from courses offered by other departments. Up to three of these four courses may be approved Greek and/or Latin courses beyond the 102 level. A senior project is required.

Minor Programs

1. Minor in Greek: GR 103, 104; four other courses in Greek beyond the 104 level.
2. Minor in Latin: LAT 103, 104; four other courses in Latin beyond the 104 level.
3. Minor in Classical Civilization: Any six approved courses chosen from among the "Classics" courses of the department; one or two Greek and/or Latin courses beyond the 102 level may be substituted for one or two of the classics courses.

Foreign Language Requirement

The foreign language requirement for degrees in the School of Arts & Sciences may be fulfilled by satisfactorily completing the intermediate level (103-104, 416-417, 516-517, or 519) in Greek or Latin. Depending on placement, elementary-level language courses may be required to reach the intermediate level.

Elementary language courses are numbered 101 and 102 and count as free electives only. GR 409 and LAT 409 are 6-credit

accelerated equivalents to 101- 102 that can serve as prerequisites to the 103 level in each language; as elementary-level courses, GR 409 and LAT 409 count as free electives and do not fulfill the foreign language requirement. In addition to placement, a prerequisite for advancement to 102, 103, and 104 (or their accelerated equivalents) is a minimum grade of C- in the previous course in the sequence.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Courses listed under the rubric "Classics" do not presuppose or require knowledge of either the Greek or the Latin language. All may be used to satisfy the humanities requirement for the B.A. degree. CLAS 205, 206, 472, and other courses in ancient history also may be used to satisfy the social science requirement. CLAS 211, 312, 313, and other Greek and Roman literature courses in English translation may be used to satisfy either the literature or the humanities requirement. For prerequisites, consult the department chair.

Department of History

Professors	Katherine L. Jansen, Chair, Michael C. Kimmage; Nelson H. Minnich; Jerry Z. Muller; Lawrence R. Poos
Professors Emeriti	Maxwell H. Bloomfield; Uta-Renata Blumenthal; Ronald S. Calinger; John E. Lynch; Leslie Woodcock Tentler; William A. Wallace
Associate Professors	Thomas Cohen; Jennifer Davis; Árpád von Klimó; Laura E. Nym Mayhall; Timothy J. Meagher; Stephen A. West
Assistant Professors	Caroline R. Sherman; Lev Weitz; Julia Young
Clinical Assistant Professor	Jennifer Paxton
Affiliates	William Klingshirn, Philip Rousseau
Visiting Professors	Massimo Ceresa, Thomas Tentler

CUA's History Department combines the rigor and award-winning faculty of a research university with the faculty-student collaboration and small class sizes of a liberal arts college. It offers particular strengths in the history of medieval, early-modern, and modern Europe, the United States, and Latin America. The department's teaching and research encompass a wide spectrum of approaches: social, political, cultural and intellectual history, the history of migration, and particular emphasis on religious history in line with our mission as a Catholic university.

The undergraduate degree emphasizes developing skills in original research and analysis, and in written and spoken communication. Core courses include research-based seminars in the junior year, and a senior thesis. A GPA of 2.5 in the 200 level surveys is necessary for acceptance into the major. The degree is structured to ensure that students are broadly versed in pre-modern and modern history, while at the same time stressing interconnections across multiple parts of the world. The program's flexibility encourages many study abroad opportunities, including CUA's flagship Rome Center. Our location in Washington D.C. offers an exceptional range of opportunities for internships and research experiences.

At the undergraduate level the department offers several options for joint degree programs: a B.A. in history and secondary education; a five-year B.A./M.A. in history; a five-year B.A./M.S.L.I.S. in history and library/information science; and a six-year B.A./J.D. in history and law. Students seeking any of these joint degrees should consult the undergraduate advisers in both departments as soon as possible during the course of undergraduate studies. There are multiple opportunities for area-studies minors and certificates in Latin American and Latino Studies, Medieval and Byzantine Studies, Asian Studies, Islamic World Studies, European Studies and Irish Studies.

The career paths of our graduates are as diverse as our students. The CUA History degree is designed to develop research abilities, careful thinking and clear communication. Our alumni find careers in business, government, politics, journalism, non-profit organizations, the tech industry, teaching, public history and law. See more about our faculty, programs and alumni at our [website](#)!

Major program

The history major requires a minimum of 11 courses in history. These include five core courses, which must ordinarily be taken in this order: two 200 level surveys (ideally taken in the freshman year); two sections of Junior Seminar (ordinarily taken in consecutive semesters during the junior year); and Senior Thesis Seminar (HIST 496) (normally taken in the first semester of the senior year).

In addition, every history major must take a minimum of six more elective courses in history. These six courses must be chosen

according to the following rules. No more than four of the six courses can be in the same area of history (that is, United States, Latin America, Middle Ages, or modern Europe). At least two of the six courses must deal with "pre-modern" periods of history (before the era of the French Revolution for European history, before the era of the American Revolution for U.S. history, before the era of the revolutions for independence for Latin American history). The six courses should ordinarily be taken at the 300 level.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Program in Islamic World Studies

Program Director: Lev Weitz, weitz@cua.edu

Faculty:

- Niki Akhavan, *Assistant Professor of Media Studies*
- Jon W. Anderson, *Professor Emeritus of Anthropology*
- Aaron M. Butts, *Assistant Professor of Semitics*
- Therese-Ann Druart, *Professor of Philosophy*
- Sidney H. Griffith, S.T., *Professor Emeritus of Semitics*
- Elizabeth Guthrie, *Instructor in Arabic*
- Marilyn Matar, *Clinical Assistant Professor of French*
- Feriha Perikli, *Lecturer in Politics*
- Shawqi Talia, *Lecturer in Semitics*
- Lev Weitz, *Assistant Professor of History*
- Wilhelmus Valkenberg, *Professor of Theology & Religious Studies*

Program website: <http://islamicstudies.cua.edu>

Islamic World Studies groups the university's offerings on the Near East and Islamic world in an interdisciplinary minor that supplements undergraduate majors in the humanities and social sciences and, for students who also qualify in advanced Arabic, a Certificate in Islamic World Studies. The program draws on the expertise of scholars in Semitics, Modern Languages and Literatures, History,

Anthropology, Philosophy, and Theology and Religious Studies, as well as the resources of CUA's John K. Mullen of Denver Library and the Consortium of Washington Area Universities. The minor emphasizes the common heritage of Islam and Christianity in late antiquity, in the high Middle Ages, and in contemporary issues of religious identity and practice. The Certificate adds an area studies dimension to disciplinary minors for students contemplating graduate study or international work.

Requirements for the Minor in Islamic World Studies:

(See the website or program director for more specific information.)

Core courses:

- HIST 309 - The Rise of Islam
- ANTH 310 - Islam in the Modern World OR HIST 308A – Modern Middle East

At least four additional courses (12 credits), chosen from among these options:

- ARAB 103/104 - Intermediate Modern Standard Arabic
- ARAB 213 – Development & Humanitarian Interventions
- FREN 279 – Borders, Exile & War in the Mashrek
- SPAN 326 - Medieval Spain at the Crossroads of Cultures
- SPAN 360 - Muslims in Latin America: Intersecting Cultures
- ART 341 - Islamic Art & Architecture
- ANTH 390 - Politics & Religion in the Middle East
- HIST 309C – Muslims, Christians, & Jews in the Medieval Mediterranean
- HIST 311B – Gunpowder Empires of Islam
- SEM 241/241 - Classical Arabic
- SEM 247/547 - Arabic Literature in Translation
- SEM 545/546 - Medieval Arabic Literature
- TRS 395 - Contemporary Christian-Muslim Dialogue
- TRS 398 - Introduction to Islam
- TRS 398A – Introduction to the Quran
- PHIL 334 - Philosophy in the Islamic World

- POLI 326 - Politics of the Modern Middle East
- POLI 327 - Nationalism & Islam: Post-Colonial Movements

Requirements for the Certificate in Islamic World Studies:

Qualification in advanced intermediate Arabic either by completion of ARAB 203/204 or equivalency examination.

Core Courses:

- HIST 309 - The Rise of Islam
- ANTH 310 - Islam in the Modern World OR HIST 308A – Modern Middle East

At least 12 additional credits from the list above or substitutions approved by the program director (Study Abroad or Consortium courses).

Intensive English Program

Anca M. Nemoianu, Ph.D., Director

The Intensive English Program is for international students whose applications to the university need the support of further training in speaking, understanding, reading, and writing English.

While most courses in the program do not grant academic credit toward a degree, they can be counted towards the students' full-time status. Qualified students may also take coursework in an academic subject along with part-time study in the program.

The Intensive English Program follows the semester system of the university: courses are 14 weeks in duration. For full-time students, instruction is for an average of 18 hours per week. Each semester is preceded by a placement testing period. The placement testing fee is \$40. All the classes in the Intensive English Program have limited enrollment. For more information about the program and the testing days preceding each semester, go to <http://iep.cua.edu> or call 202-319- 4439 or 5229.

The Intensive English Program issues I-20 forms necessary for obtaining a Student Visa (F-1). Students on an F-1 visa must be enrolled full time in the program.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester. However, unlike

Program in Latin American and Latino Studies

Program Director: Dr. Sandra Barrueco; Associate Professor of Psychology (barrueco@cua.edu)

Latin American and Latino Studies (LALS) is a multidisciplinary program focused on the appreciation and understanding of the Hispanic experience in the Americas. Specifically, LALS focuses on Latin American and Caribbean countries, Latinos in the United States, and migrations and other transnational processes in the Americas from colonial times to the present.

LALS currently offers an interdisciplinary undergraduate minor and a Certificate.

Requirements for the Minor in Latin American and Latino Studies

The LALS minor program consists of:

Six courses, for a minimum of eighteen credit hours, from the program's list of LALS approved courses. If students are interested in a course that is not listed, they may contact the LALS Director. She, in consultation with the Steering Committee, will review the addition of the course.

Courses must be taken from **at least three different departments or schools**.

No more than two courses may "overlap" between the student's major and LALS minor requirements.

Requirements for the Certificate in Latin American and Latino Studies

Core Courses: LALS Certificate students must complete two required "core" courses for the Certificate, chosen from the following courses. Each of these courses covers a range of historical and contemporary issues in Latin America: HIST 371B (Modern Latin America), POL 350 (Latin American Politics), or, SPAN 301 (Society and Culture in the Spanish Speaking World).

Elective Courses: Four additional courses must be taken. Like the minor, the courses must be taken from at least three different departments. However, unlike the minor, the certificate students must take a minimum of two courses from a specific department outside the student's major in order to strengthen their understanding of how another discipline approaches the study of Latin American and Latino Studies. Elective courses can be selected from an approved list; any course not on the course list must be approved by the LALS Director. She, in consultation with the Steering Committee, will review the addition of the course. These courses may also satisfy general education or "distribution" requirements for Religion, Philosophy, Social Science and Humanities.

Language proficiency: The LALS Certificate requires completion of SPAN 204 (Advanced Spanish Conversation and Composition), OR, SPAN 211 (Advanced Spanish Conversation and Composition for Heritage Speakers, II). Equivalent courses in Portuguese, or an equivalency exam in either language would also meet this requirement. Note that language courses do not count towards the 6 courses for the certificate. The language requirement is not a prerequisite for beginning the Certificate program; students may work towards the language requirement while also taking their LALS-approved courses.

Please consult the Website for more detail at <http://lals.cua.edu/>.

Department of Mathematics

Professors	Kiran R. Bhutani, <i>Chair</i> ; Alexander Levin
Professors Emeriti	Victor M. Bogdan; Lawrence Somer
Associate Professors	Sherif El-Helaly; Guoyang Liu; Farzana McRae; Prasad Senesi; Vijay Sookdeo
Assistant Professors	Curtis Holliman; Donald Larson; Peter Ulrickson
Clinical Assistant Professor	Ravi Kalpathy
Clinical Instructors	Joshua Himmelsbach; Anita Shagnea

Mathematics, the language of science, is an essential part of work done in the natural sciences, engineering, economics, and other areas. Since ancient times and in many civilizations, mathematics has been central in human thought and critical to many aspects of intellectual development and progress. The Department of Mathematics offers courses and degree programs reflecting the place and various roles of mathematics in modern civilization.

For students majoring in the humanities or the social sciences, the department offers MATH 111, 112, 114, 168, 175, and 187; 111 is a prerequisite for 112.

For students in the natural sciences, engineering, or mathematics (and any student with an interest in and aptitude for mathematics), the department offers a sequence in calculus and differential equations: MATH 121, 122, 221, and 222.

Upon entering the university, all students *whose major programs require calculus* must take a Calculus Placement Test, which helps determine placement relative to the two calculus choices, MATH 111 and 121. Students who aim to take calculus but need additional preparation take MATH 108 or Math 110 (open to majors in Business/Economics only) before calculus.

There is a [specific web page for mathematics placement](#).

Students who have prior coursework in calculus may obtain advanced placement in calculus by consulting the department. Students who have scored sufficiently high score on the AB or BC Advanced Placement Test in Calculus should inquire about receiving course credit for MATH 121-122.

Mathematics Department web page Degree Programs

The department offers four undergraduate degree programs: B.A. in mathematics, B.S. in mathematics, B.S. in mathematics/secondary education, and B.S. in mathematics/physics. Depending on their emphasis, the programs prepare students for graduate studies, for work in industry, or for teaching at the secondary level. Students interested in graduate studies in mathematics should consider taking MATH 420, 422, and 451. Students interested in applications of mathematics should also consider choosing from MATH 407, 408, 415, 427, 431, 432, 441, 461, 462, 516, 528, 533, 537, 540 and 584. Students interested in industrial or applied mathematics careers should consider taking 431, 432, 461, 462, 537 and 540.

All mathematics degree programs require MATH 121, 122, 221, 222, and 248 (or placement out of these courses) and PHYS 215

and 216. Students are encouraged to include courses from mathematically related disciplines in addition to PHYS 215 and 216. Freshmen and sophomores who have obtained a 2.5 or better grade point average in 121, 122, 221, and 222 will be accepted into the program. An average of at least 2.0 in the upper-level (301, 321, 322, and 400 level and above) courses is required for graduation

Bachelor of Arts in Mathematics

Required mathematics courses. The calculus sequence (121, 122, 221, 222); MATH 248, 301, 321, 322, 421, 424; and three mathematics electives at the 400- level or above, chosen with departmental approval. Also, PHYS 215 and 216.

Bachelor of Science in Mathematics

Required mathematics courses. The calculus sequence (121, 122, 221, 222); MATH 248, 301, 321, 322, 421, 424; and three mathematics electives at the 400- level or above, chosen with departmental approval. Also, PHYS 215 and 216, CSC 123, and CSC 223 , and four other courses in computer science, natural sciences, or mathematics, chosen with departmental approval.

Bachelor of Science in Mathematics and Secondary Education

This program is designed for those who plan a career in teaching math at the secondary level. Interested students should consult the undergraduate advisers in both the departments of mathematics and education early in the major in order to plan a schedule of required courses from both fields.

Required mathematics courses. 121, 122, 221, 222, 248, 301, 321, 403, 421, 424 and one additional mathematics elective at the 400-level or above, chosen with departmental approval. In addition: CSC 123 and CSC 223 (or any two of CSC 104, 105, and 113) PHYS 215 and 216, and two statistics courses, chosen with departmental approval.

Bachelor of Science in Mathematics/Physics

Required mathematics courses. The calculus sequence (MATH 121, 122, 221, 222); MATH 248, 301, 321, 322, 421; and one additional course at the 400-level or above.

Required physics courses. PHYS 215 (with lab 225), PHYS 216 (with lab 226), 506, 511, 512, 525, 531, 532, 535, and 536. Also PHYS 451-452 (Senior Seminar in Physics).

Required computer science courses. CSC 123 and CSC 223

Minor in Mathematics

The minor in mathematics is designed for those students with an interest in mathematics either for its own sake or as it relates to their major field. Certain majors have mathematics requirements which will fulfill a considerable portion of the requirements for the math minor.

The requirements are two courses in calculus (ordinarily MATH 121 and 122), MATH 248, and three other courses in mathematics (other than 108, 110, 168, 175, 187, and 114), of which two must be chosen from Math 301, 321, 322 or any other 400-level or above math courses. Other courses with sufficient mathematical content and level may be accepted. For those, the approval of the Department of Mathematics is required.

The following is a list of some disciplines and the mathematics courses (after MATH 121 and 122) relevant to them:

Major	Math Courses
Biology	431, 432
Chemistry	221, 222, 431, 432 Computer
Science	301, 321, 322, 407, 415, 431, 432, 516, 537
Economics	221, 222, 301, 431, 432, 436
Engineering	221, 222, 401, 321, 322, 407, 421, 422, 424, 427, 528, 431, 432, 516, 537, 541, 542
Physics	221, 222, 301, 321, 322, 407, 415, 421, 422, 424, 427, 431, 432, 441, 442, 516, 528, 537

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Department of Media and Communication Studies

Associate Professors	Stephen J. McKenna, <i>Chair</i> ; Alexander T. Russo; Niki Akhavan
Assistant Professors	Martin Johnson; Joshua Shepperd
Clinical Associate Professor	Maura Ugarte

Television, cinema, radio, newspapers and the Internet all profoundly influence our lives. The Department of Media and Communication Studies provides students with tools to analyze and create media texts. An interdisciplinary field, Media and Communication Studies at Catholic University is rooted in traditions of rhetorical and historical criticism across the humanities.

Core courses promote understanding of film, television and related media in their varied aesthetic, social, historical, and cultural contexts. After completing the core, majors may choose to emphasize advanced work in either critical studies (beginning their electives with a course in critical approaches to media) or media production (beginning their electives with a course in video filmmaking). Students emphasizing their elective courses in either area may still take electives in both. Majors in the program also have opportunities to gain professional experience through internships. With its humanities orientation and liberal arts commitment, the department emphasizes writing and critical thinking skills. By requiring rigorous study of the intersections of media theory, history, technology and cultures while providing access to state-of-the-art digital production tools, the program engages students as both critics and creators. Students learn how to read cultural texts critically, partly by gaining firsthand knowledge of how such texts are produced. Media and Communication Studies majors develop a relationship to media that is both critically aware and socially responsible, one that prepares them for a wide variety of careers in fields as diverse as film and video, broadcasting, journalism, public relations, advertising, law, or teaching and scholarship in the humanities.

Majors take six **core courses**: MDIA201 Introduction to Media Studies, MDIA202 Media and History, MDIA301 Media and Rhetoric, MDIA302 Media Rhetoric and Aesthetics (a production course), MDIA399 Junior Seminar, and MDIA499 Senior Seminar; an **elective gateway course**--either MDIA311 Critical Approaches to Media or MDIA312 Media Composition--which then anchors the final six **advanced electives**, generally focusing on either critical studies or production. Up to two approved courses from other departments (e.g., ART309, Introduction to Photography) may count as in-major electives, and up to two approved internships may receive academic credit. The full list of approved interdisciplinary electives is available on the course tracking sheet.

Important Requirements:

Students may declare the major as incoming freshmen. Students who wish to transfer into the major after the beginning of freshman year should complete at least one introductory course (MDIA201, 202 or 301) first before being considered for acceptance.

All majors must earn a 2.5 GPA average in MDIA201 and MDIA202. All students failing to achieve this level of academic performance will be dismissed from the major; they may re-take either course within two semesters, meet the 2.5 requirement, and then reapply for acceptance to the major.

No course in the major may be re-taken more than once. Additionally, all students must maintain a 2.3 (C+) GPA average in the major. Students dropping below this level will be given one semester to restore their in-major GPA, or face dismissal from the major. MDIA201 is a prerequisite for many advanced electives; MDIA399, Junior Seminar, is a prerequisite for MDIA499, Senior Seminar.

Suggested Sequence of Courses

Freshman	MDIA 201, 202
Sophomore	MDIA 301, 302
Junior	MDIA 399; MDIA 311 or 312; electives in critical studies and/or production; internship
Senior	MDIA 499; electives in critical studies and/or production; internship

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Program in Medieval and Byzantine Studies

Program Director: Lilla Kopár, Associate Professor of English

Center for Medieval and Byzantine Studies website: <http://mbs.cua.edu>

List of Affiliated Faculty Members: <http://mbs.cua.edu/faculty/index.cfm>

Major Program

The university's Center for Medieval and Byzantine Studies offers an interdisciplinary undergraduate major which draws upon faculty strengths across the School of Philosophy, the School of Theology and Religious Studies, and numerous departments in the School of Arts and Sciences, particularly History, English, Greek and Latin, Modern Languages and Literatures, Art, and Semitic and Egyptian Languages and Literatures. In addition to exploring the historical and cultural developments within the traditional boundaries of Medieval Europe from ca. A.D. 300 to 1500, students will have opportunities to study Byzantium, Islam, Judaism, and Near Eastern Christianity.

The Medieval and Byzantine Studies (MBS) major introduces students to the various fields of the discipline and their methodologies, while providing advanced training in one specific area of specialization. The major consists of the following:

1. **Gateway Course:**
MDST 201: Medieval Pathways (or HIST 235: Medieval World, with advisor's approval). [Students in the University Honors Program may substitute HSHU 102: Charlemagne to Chaucer, with advisor's approval.]
2. **Specialized Courses:**
 - a) HISTORY AND SOCIAL STRUCTURES: two courses (6 credits) in any aspect of western or non-western medieval history (social, political, institutional, economic, legal, cultural, gender studies, etc.).
 - b) THOUGHT AND WORSHIP: two courses (6 credits) in medieval religions, theology, philosophy, or liturgy (also including non-Christian traditions).
 - c) CULTURAL AND ARTISTIC EXPRESSIONS: two courses (6 credits) in medieval literatures, languages, art, architecture, music, or material culture.
3. **Approved Electives:**
Four courses (12 credits) from the three categories of specialized courses (and a list of additional courses, including approved languages). At least two of the four courses should be in the student's area of specialization. May include relevant language courses (Latin, Greek, Arabic, Syriac, Coptic, Old English, Old French, and other medieval vernaculars) beyond the School's foreign language distribution requirement.
4. **Capstone Senior Seminars:** MDST 496A (1 credit) and 496B (2 credits).

Majors must consult the undergraduate advisor for course selection and the suggested sequence of courses. For more information, see <http://mbs.cua.edu/major-in-medieval-and-byzantine-studies.cfm>.

Minor Program

Six courses in the area of Medieval or Byzantine Studies, which must include MDST 201: Medieval Pathways or HIST 235: Medieval World. [University Honors Students may substitute HSHU 102: From Charlemagne to Chaucer.] Students must take at least one course in each of the areas designated above under Specialized Courses. Two additional courses may be drawn from that list or from among relevant language courses (Latin, Greek, Arabic, Syriac, Coptic, Old English, Old Norse, and other medieval vernaculars) beyond the School's foreign language distribution requirement. For more information, see <http://mbs.cua.edu/minor-in-medieval-and-byzantine-studies.cfm>.

Courses Offered

A full listing of approved courses accepted towards an undergraduate degree in Medieval and Byzantine Studies is listed each semester at the Center's website at <http://mbs.cua.edu/current.cfm>. Courses offered directly by the Center are found below.

Department of Modern Languages and Literatures

Professors	Bruno M. Damiani; Jean-Michel Heimonet; Stefania Lucamante
Associate Professors	Claudia Bornholdt; Margaret Ann Kassen, <i>Chair</i> ; Mario Ortiz
Assistant Professors	Daniel García-Donoso; Juan Sebastián Ospina León Chelsea Stieber
Visiting Assistant Professor	Gizem Arslan
Clinical Assistant Professors	Cybèle Arnaud, Anne Calderón; Kerstin T. Gaddy, Marilyn Matar; Charmaine McMahon; Katharina Rudolf; Amanda Sheffer

Clinical Instructors

Valeria Garino; Elizabeth Guthrie; Shufen Hwang; Jennifer Maxwell,

The Department of Modern Languages and Literatures offers Bachelor of Arts majors in the following fields: French and Francophone Studies, German Studies, Hispanic Studies, Italian Studies, and Spanish for International Service. The Department also offers beginning and intermediate-level courses in Modern Standard Arabic, Mandarin Chinese, and Irish (Gaelic) as well as introductory courses in Brazilian Portuguese and American Sign Language (ASL).

A major in modern languages and literatures provides its graduates with both a specific area of skills and competence and a sense of the relationship between their particular discipline and the large body of knowledge that is the patrimony of liberally educated persons. Majors learn to express themselves clearly and correctly throughout the curriculum, developing and practicing critical thinking and analytical writing. They acquire research and practical work skills, in-depth knowledge of the culture(s) in their target language and advanced language proficiency. In the final course of the major, the senior seminar, students strengthen their research skills by developing an individual project, writing a research-based paper and making a public oral presentation of their work. A joint B.A.-M.A. program is available to qualified students in Spanish.

Outcome Goals:

As elaborated in the mission statement of the Department of Modern Languages and Literatures, a student graduating with a major in French and Francophone Studies, German Studies, Italian Studies, Hispanic Studies, or Spanish for International Service, will be a reflective, compassionate global citizen with an informed sense of moral and intellectual responsibility.

The outcome goals for our language and culture majors respond to the following goals of the university-wide General Education goals as defined by The Catholic University of America:

- Graduates will demonstrate knowledge of and respect for different cultures and religions.
- Graduates will demonstrate proficiency in oral and written communication, including argumentative essays, research papers, presentations, and creative and collaborative work employing a variety of media.
- Graduates will show facility in critical thinking and reasoned analysis.
- Graduates will demonstrate an ability to find information effectively using appropriate resources and technologies, critically assess the validity and relevance of that information, and utilize it in ethical and legal ways.

Students may choose to develop a minor in French and Francophone Studies, German Studies, Hispanic Studies, or Italian Studies. Consult the individual language programs below for further details.

Students taking language course and especially students majoring or minoring in one of the programs in the department are strongly encourage to add course work that leads to a Minor or Certificate in one of CUA's interdisciplinary programs, such as the Minor in Asian Studies, the Certificate in European Studies, the Minor in Global Migration Studies, the Certificate in Irish Studies, the Certificate or Minor in Islamic World Studies, the Certificate or Minor in Latin American and Latino Studies, or the Certificate in Spanish for Healthcare.

For students not majoring in languages, distribution requirements in literature as well as in humanities, as outlined under B.A. degree requirements, may be fulfilled by a number of courses offered by the department.

Note: All entering first year students with two years of high school Arabic, Chinese, French, German, Italian, or Spanish, who wish to continue in that language, are required to take a placement examination. They will not receive any CUA credit for courses in that language without placement. The resulting placement will be valid up to one year after the date of the examination. See the Department's website (<http://modernlanguages.cua.edu>) for more information.

Foreign Language Requirement

The foreign language requirement for degrees in the School of Arts and Sciences may be fulfilled by satisfactorily completing the intermediate level (103-104) in Modern Standard Arabic, Mandarin Chinese, French, German, Irish, Italian, or Spanish. In Spanish students may complete the requirement with Spn 111, for heritage speakers only, or Spanish 113 Spanish 113 (6 credits) is an accelerated intermediate-level equivalent to 103-104, open by departmental permission only to highly-qualified students. In addition to placement, a prerequisite for continuing enrollment in 102, 103, and 104 is a minimum grade of C- in the previous course in the sequence. For 113, a B- or better is required.

Depending on background or placement, elementary-level language courses may be required to reach the intermediate level. Elementary language courses are numbered 101 and 102; the four-credit French or Spanish 112 is an accelerated elementary-level equivalent to 101-102, open by placement to students with some previous experience of the language. Elementary language courses 101, 102, and 112 count as free electives only.

Education Abroad Programs

The Department requires that majors spend at least a semester in a country in which the language is spoken, in order to increase their language proficiency and to immerse themselves in the culture. All credits earned abroad are eligible for transfer if the student is enrolled in CUA affiliated programs. Students pursuing a minor in one of the programs offered in the Department of Modern Languages and Literatures and students interested in completing one of the interdisciplinary programs, are strongly encouraged to study abroad.

Under special circumstances students may petition for the study abroad requirement to be waived. In these cases the department will consider summer abroad programs, approved cultural immersion experiences, or internships instead.

French

Major in French and Francophone Studies

The Major in French and Francophone Studies offers an interdisciplinary approach to the study of the French-speaking world. It is designed to provide students with a solid background in the cultural history of France and the Francophone countries. Students combine language, culture and practical skills courses in the Department of Modern Languages and Literatures with a practical immersion experience in a French-speaking country. Students are encouraged to supplement their studies with courses dealing with the Francophone world in areas such as Anthropology, Art, Drama, History, Media Studies, Philosophy, Politics, Psychology, and Sociology.

Required Courses (7 courses / 21 credits)

200-level

- FREN 203: Advanced French I: Themes in Francophone Literature and Culture
- FREN 204: Advanced French II: Introduction to French Cinema

Note: 203 and 204 can be taken out of sequence; students placing out of 204 add 2 elective courses

300-level

- FREN 300: Thinking Critically: Literature, Film, and Media in the French-Speaking World
- FREN 301: Society and Culture in the French-Speaking World (Note: 300 and 301 can be taken out of sequence)

400-level

- FREN 401/402/495: One practical skills course: French for Business, Translation, Internship
- FREN 488: Research Seminar I (Course can be repeated with different topic)
- FREN 489: Research Seminar II: Senior Essay

Electives (5 courses / 15 credits)

Courses at the 300 level and higher taught in the Department of Modern Languages and Literatures or transferred from education abroad. Up to two of these courses may be 200-level courses taught in English in the Department of Modern Languages and Literatures, transfer courses, or other courses taught in other disciplines. These courses must be pre-approved by the advisor.

Education Abroad

French and Francophone Studies Majors are required to spend a semester studying abroad in a French-speaking country. All credits earned abroad are eligible for transfer if the student is enrolled in affiliated programs. FREN 300 and FREN 489 must be taken at CUA. Under special circumstances students may petition that the study abroad requirement be waived. In these cases the department will consider summer abroad programs, approved cultural immersion experiences, or internships instead.

Free Electives and Distribution Courses

French and Francophone Studies Majors are strongly advised to complete the course work for the **Certificate in European Studies**. Students are also strongly encouraged to add minors or a second major in related disciplines, such as Art, Drama, History, International Business, Media Studies, Philosophy, or Politics.

Minor in French and Francophone Studies

Required courses: a total of 6 (six) courses, including 203, 204, one other 200-level course, and any courses at the 300-500 level, with a maximum of 2 (two) courses taught in English. Students should consult with the French Academic Advisor, Dr. Chelsea Stieber (Stieber@cua.edu), to identify combinations of courses that best suit their needs and interests.

*** N.B. Native speakers of French (francophones) may not enroll in any 200-level course or in 330. Upper-level literature and culture courses are open to qualified native speakers with permission from the instructor.

German

Major in German Studies

The Major in German Studies offers an interdisciplinary approach to the study of the German-speaking world. It is designed to provide students with a solid background in the cultural history of Germany, Austria and Switzerland. Students combine language, culture and practical skills courses in the Department of Modern Languages and Literatures with a practical immersion experience in a German-speaking country. Students are encouraged to supplement their studies with courses dealing with the German-speaking world in areas such as Anthropology, Art, Drama, History, Media Studies, Philosophy, Politics, Psychology, Sociology, and Theology and Religious Studies.

Required Courses (7 courses / 21 credits)

200-level

- GER 203: Advanced German I: German Through Film
- GER 204: Advanced German II: German Through Literature

(Note: 203 and 204 can be taken out of sequence; students placing out of 204 add 2 elective courses)

300-level

- GER 300: Thinking Critically: Literature, Film, and Media in the German- Speaking World
- GER 301: Society and Culture in the German-Speaking World

(Note: 300 and 301 can be taken out of sequence)

400-level

- GER 401/402/495: One practical skills course: German for Business, Translation, Internship
- GER 488: Research Seminar I (Course can be repeated with different topic)
- GER 489: Research Seminar II: Senior Essay

Electives (5 courses / 15 credits)

Courses at the 300 level and higher taught in the Department of Modern Languages and Literatures or transferred from study abroad. Up to two of these courses may be 200-level courses taught in English in the Department of Modern Languages and Literatures, transfer courses, or other courses taught in other disciplines. These courses must be pre-approved by the advisor.

Education Abroad

German Studies Majors are required to spend a semester studying abroad in a German-speaking country. All credits earned abroad are eligible for transfer if the student is enrolled in affiliated programs. GER 300 and GER 489 must be taken at CUA. Under special circumstances students may petition that the study abroad requirement be waived. In these cases the department will consider summer abroad programs, approved cultural immersion experiences, or internships instead.

Free Electives and Distribution Courses

German Studies Majors are strongly advised to complete the course work for the **Certificate in European Studies**. Students are also strongly encouraged to add minors or a second major in related disciplines, such as Art, Drama, History, International Business, Media Studies, Philosophy, or Politics.

Minor in German Studies

The prerequisite to select a minor in German is successful completion of German 104 or proof of proficiency at the equivalent level. The German minor is comprised of a total of 6 courses: GER 203 and 204 plus an additional 4 courses at the 200- 400 level. No more than 2 courses taught in English count toward the minor. In consultation with the academic adviser, study abroad courses may be counted toward the minor.

Italian

Major in Italian Studies

This program is designed for students who have a strong interest in Italian culture. The courses in the major give students a wide knowledge of Italian literary and cultural phenomena. The program ranges from introductory surveys through period and genre offerings to seminars treating individual major authors. Italian Studies majors are required to take at least two courses in areas such as fine arts, politics, and history that may help prepare them for successful careers in politics, law, international business, medicine, education, or the arts. Students are required to complete two advanced language and culture courses (203, 204), the two senior research seminars (488, 489) and 8 electives. Two of these elective courses must be offered by a program other than Italian Studies. At least four (2 plus 488 and 489) of the elective courses must be taught in Italian. Students should consult with the

Italian advisor before selecting courses in order to determine their individual program of study.

Students enrolled in the Major in Italian Studies are required to study abroad, either in CUA's Rome program or in another education abroad program in Italy.

Required Courses

- ITAL 203: Advanced Italian I: Talking About Culture
- ITAL 204: Advanced Italian II: Talking About Culture
- ITAL 488: Senior Special Topics Seminar
- ITAL 489: Research Seminar

6 Electives in Italian Studies

Students enroll in six additional courses in literature and culture. At least two of these courses must be taught in Italian:

2 Electives outside of ITAL

Two courses must be taken from programs other than ITAL. Students must consult with the advisor before selecting courses. Examples of approved courses are: HIST 222, 317; ART 212, 307, 319, 320; CLAS 318. Other courses related to the Italian studies program can be chosen with the approval of the academic adviser of the Italian program.

Education Abroad

Italian Studies Majors are required to spend a semester studying abroad in Italy. Students choosing to study in CUA's Rome program are strongly advised to add a second semester in a CUA-affiliated program in Italy. All credits earned abroad are eligible for transfer if the student is enrolled in affiliated programs. ITAL 489 must be taken at CUA. Under special circumstances may students petition that the study abroad requirement be waived. In these cases the department will consider summer abroad programs, approved cultural immersion experiences, or internships instead.

Free Electives and Distribution Courses

Italian Studies Majors are strongly advised to complete the course work for the **Certificate in European Studies**. Students are also strongly encouraged to add minors or a second major in related disciplines, such as Art, Drama, History, International Business, Media Studies, Philosophy, or Politics.

Minor in Italian Studies

ITAL 203, 204, plus a combination of four courses in language, literature, and culture. Students should consult the adviser in Italian concerning combinations of courses. Study abroad courses may also be approved by the adviser.

Spanish

Major in Hispanic Studies

The Major in Hispanic Studies offers an interdisciplinary approach to the study of the Spanish-speaking world. It is designed to provide students with a solid background in the cultural and literary history of Hispanic world. Students combine language, culture and practical skills courses in the Department of Modern Languages and Literatures with a practical immersion experience in a Spanish-speaking country. Students are encouraged to supplement their studies with courses dealing with the Spanish-speaking world in areas such as Anthropology, Art, Drama, History, Media Studies, Philosophy, Politics, Psychology, Sociology, and Theology and Religious Studies.

Required Courses (7 courses / 21 credits)

200-level

- SPAN 203 or 210: Advanced Conversation and Composition I or Spanish for Heritage Speakers I
- SPAN 204 or 211: Advanced Conversation and Composition II or Spanish for Heritage Speakers II

(Note: Students placing out of 204 or 211 add 2 elective courses)

300-level

- SPAN 300: Thinking Critically: Literature, Film, and Media in the Spanish-Speaking World
- SPAN301: Society and Culture in the Spanish-Speaking World

(Note: 300 and 301 can be taken out of sequence)

400-level

- SPAN 401/402/485/495: One practical skills course: Spanish for Business, Translation, Legal Translation and

- Interpretation, Internship
- SPAN408/412/425/448: Two content research seminars
- SPAN 489: Research Seminar II: Senior Essay

Electives (4 courses / 12 credits)

Courses at the 300 level and higher taught at the Department of Modern Languages and Literatures or transferred from study abroad. One of these courses may be a 200-level course taught in English at the Department of Modern Languages and Literatures, a transfer course, or a course in another disciplines. This course must be pre-approved by the advisor.

Education Abroad

Hispanic Studies Majors are required to spend a semester studying abroad in a Spanish speaking country. All credits earned abroad are eligible for transfer if the student is enrolled in affiliated programs. SPAN 300, SPAN 489, and at least one 400-level content research seminar must be taken at CUA. Under special circumstances may students petition that the study abroad requirement be waived. In these cases the department will consider summer abroad programs, approved cultural immersion experiences, or internships instead.

Free Electives and Distribution Courses

Hispanic Studies Majors are strongly advised to complete the course work for either the **Certificate in European Studies** or the **Certificate in Latin American and Latino Studies**. Students are also strongly encouraged to add minors or a second major in related disciplines, such as Art, Drama, History, International Business, Media Studies, Philosophy, or Politics.

Major in Spanish for International Service

The Major in Spanish for International Service (SIS) is a pre-professional career-

oriented program designed to prepare students for service in government or private agencies and business in Spanish-language related fields. In addition to providing a solid background in the cultural history of Latin America, Spain and the Hispanic and Latino communities in the United States, the major emphasizes the development of practical skills to prepare students for careers in international service.

Required Courses (10 courses / 30 credits)

200-level

- SPAN 203 or 210: Advanced Conversation and Composition I or Spanish for Heritage Speakers I
- SPAN 204 or 211: Advanced Conversation and Composition II or Spanish for Heritage Speakers II

(Students placing out of 204/211 add 2 elective courses)

300-level

- SPAN 300: Thinking Critically: Literature, Film, and Media in the Spanish-Speaking World
- SPAN301: Society and Culture in the Spanish-Speaking World
- SPAN 302: Mapping the Hispanic Worlds: Contemporary Issues, Trends and Debates in the US and Abroad

(Note: 300, 301, and 302 can be taken out of sequence)

400-level

- SPAN408/412/425/448: One content research seminar
- SPAN 401/402/485/486: Two practical skills courses: Spanish for Business, Translation, Legal Translation and Interpretation
- SPAN 489: Research Seminar: Senior Essay
- SPAN 495: Spanish Internship

Electives (2 courses / 6 credits)

Courses at the 300 level and higher taught in Spanish at the Department of Modern Languages and Literatures or transferred from study abroad. One of these courses may be a 200-level course taught in English at the Department of Modern Languages and Literatures, a transfer course, or a course in another disciplines. This course must be pre-approved by the advisor.

Education Abroad

Spanish for International Service Majors are required to spend a semester studying abroad in a Spanish-speaking country. All credits earned abroad are eligible for transfer if the student is enrolled in affiliated programs. SPAN 300, SPAN 302, and SPAN 489, must be taken at CUA. Under special circumstances may students petition that the study abroad requirement be waived. In these cases the department will consider summer abroad programs, approved cultural immersion experiences, or internships instead.

Free Electives and Distribution Courses

SIS Majors are strongly advised to complete the course work for the Certificate in Latin American and Latino Studies. Students are also strongly encouraged to add minors or a second major in related disciplines, such as Art, Drama, History, International Business, Media Studies, Philosophy, or Politics.

Minor in Hispanic StudiesMinor Requirements: 6 Courses (18 credit hours)

Students planning to have a minor in Spanish have a flexible sequence of courses:

A. Core Courses (6 credit hours). Complete one of the following sequences unless placed at a level higher than 203 or 210:

- SPAN 203 Advanced Con/Comp I & 204 Advanced Conv/Compo II
- SPAN 210 Span Heritage Speakers I & 211 Spanish Heritage Speakers II
- SPAN 207 Advanced Spanish for Health Care I & 208 Advanced Spanish for Health Care II

B. Electives (12 credit hours). Any course at or above the 200-level.

Only a maximum of three 200-level courses can count towards the minor. Students should consult the advisor in Spanish concerning combinations of courses.

Heritage speakers planning a minor in Spanish should consult with the advisor in Spanish to arrange a sequence of courses adapted to their needs.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Program in Philosophy

Program Coordinator: Matthias Vorwerk, Associate Dean, School of Philosophy

Distribution Requirements

In cooperation with the faculty of the School of Philosophy, the School of Arts and Sciences offers the B.A. degree with a major in philosophy and in philosophy pre-law. The School of Philosophy also provides courses to fulfill the distribution requirement in philosophy.

Students in the School of Arts and Sciences taking courses in philosophy must observe the following:

1. PHIL 201 and 202 are prerequisites for all philosophy courses in the areas listed below and are required of all undergraduates enrolled in the School of Arts and Sciences, except for participants in the University Honors Program philosophy sequence.
2. In addition to 201 and 202, students in the School of Arts and Sciences who are pursuing a B.A. degree must elect two additional courses in order to fulfill the four-course philosophy requirement: one from the area *Logic, Morality, and Action* (Area I) and one from the area *Nature, Knowledge, and God* (Area II).
3. Students are free to elect additional courses from the two areas and any 500-level course, except 505 and 556.

Required**PHIL Course Title**

- 201 The Classical Mind: The Origin and Growth of Western Philosophy
202 The Modern Mind: Philosophy from Descartes to the Present

Area I. Logic, Morality, and Action PHIL Course Title

- 301 Reasoning and Argumentation
303 Biomedical Ethics
309 Ethics
310 Philosophy of Art
311 Contemporary Moral Issues
332 Political Philosophy

333	Philosophy of Natural Right and Natural Law
351	Introduction to Symbolic Logic
403	Morality and Law

Area II. Nature, Knowledge, and God PHIL Course Title

305	Metaphysics
308	Philosophy of God
313	Philosophy of Human Nature
315	Philosophy of Language
317	Philosophy of Religion
328	Philosophy of the Social Sciences
329	Philosophy of Science
331	Philosophy of Knowledge
334	Philosophy in the Islamic World

Major Programs

Students who wish to enter a major program in philosophy must have a 3.0 overall grade point average.

Concentration Program

This program is designed to provide students with a broad philosophical background and the opportunity to do upper-division work in related disciplines. It is appropriate for those students who wish to use philosophy as a preparation for careers in business, industry, government, etc. It can also be used as a preparation for the study of theology.

Requirements for students enrolled in the philosophy concentration major program are:

1. *The following eleven courses:*
 - 309 Theories of Ethics
 - 331 Philosophy of Knowledge
 - 351 Introduction to Symbolic Logic
 - 353 History of Ancient Philosophy
 - 354 History of Medieval Philosophy 355 Metaphysics I
 - 356 Metaphysics II
 - 453 History of Modern Philosophy 454 Contemporary Philosophy
 - 455 Junior Seminar
 - 456 Senior Seminar
2. *A philosophy elective, to be selected from:*
 - 310 Philosophy of Art
 - 311 Contemporary Moral Issues
 - 313 Philosophy of Human Nature
 - 315 Philosophy of Language
 - 317 Philosophy of Religion
 - 329 Philosophy of Science
 - 332 Political Philosophy
 - 333 Philosophy of Natural Right and Natural Law
 - 403 Morality and Law or a 500-level course
3. *Other courses to fulfill distribution requirements.*
4. *Comprehensive examination.*

Pre-Law Program

This program is particularly appropriate for students who wish to prepare for a career in law or related fields. The curriculum emphasizes those philosophical topics and skills pertinent to the study of law.

Requirements for students enrolled in the philosophy pre-law major program are:

1. *The following nine courses:*
 - 301 Reasoning and Argumentation
 - 353 History of Ancient Philosophy
 - 354 History of Medieval Philosophy
 - 355 Metaphysics I
 - 356 Metaphysics II
 - 453 History of Modern Philosophy

- 454 Contemporary Philosophy
- 455 Junior Seminar
- 456 Senior Seminar

2. *Two of the following:*
 - 332 Political Philosophy
 - 333 Philosophy of Natural Right and Natural Law 403 Morality and Law
3. *A philosophy elective, to be selected from:*
 - 309 Theories of Ethics
 - 310 Philosophy of Art
 - 311 Contemporary Moral Issues
 - 313 Philosophy of Human Nature
 - 315 Philosophy of Language
 - 317 Philosophy of Religion
 - 329 Philosophy of Science
 - 331 Philosophy of Knowledge or a 500-level course
4. *Other courses to fulfill distribution requirements.*
5. *Comprehensive examination.*

For information concerning the Bachelor of Philosophy and the Bachelor of Arts program in the School of Philosophy, see the School of Philosophy listings in these [Announcements](#).

Minor Program

The minor in philosophy consists of six courses, i.e., two courses in addition to the four-course distribution requirement. One of the additional courses must be from Area I and the other from Area II.

Courses Offered

A full listing of undergraduate courses offered by the School of Philosophy is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Department of Physics

Professors	Steven B. Kraemer, <i>Chair</i> ; ; Ian L. Pegg; Lorenzo Resca; Daniel I. Sober
Professors Emeritus	Hall L. Crannell; Jack R. Leibowitz; Pedro Macedo; Paul H.E. Meijer; Herbert M. Uberall; Carl W. Werntz
Adjunct Professors	Arthur Aikin; Michael Bell; Natchimuthukonar Gopalswamy; Theodore Gull; Yoji Kondo;
Research Professors	Vladimir Krasnopolsky; Donald J. Michels; Leon Ofman; Frederick C. Bruhweiler
Associate Professors	Tanja Horn; Duilia F. DeMello; Biprodas Dutta; Tanja Horn; Franz J. Klein; John Philip; Vadim Uritsky
Adjunct Associate Professors	Michael DiSanti
Research Associate Professors	Pamela Clark; Alexander Kutepov; Myron A. Smith; Richard Starr; Glenn M. Wahlgren
Assistant Professors	Abhijit Sarkar
Adjunct Assistant Professor	Isabelle Muller
Research Assistant Professors	Peter C. Chen; Thomas Moran; Krister Nielsen
Research Associates	Boncho Bonev; Jeffrey Brosius; Ronald Carlson; Patrick Collins; Artem Feofilov; Sergei Ipatov; Rosina Iping; Sungmu Kang; Gladys Vieira Kober; Maxim Kramar; Allen Lunsford; Ryan Milligan; Norman F. Ness; Sten Odenwald; Vladimir Oshervovich; Judit Pap; Lutz Rastaetter; Nelson Reginald; Michael Reiner; Joachim Schmidt; Richard Schwartz; Malgorzata Selwa; Ekaterina Verner; Geronimo Villanueva; Gerald Williger; Hong Xie; Seiji Yashiro

The study of physics is an attempt to understand the physical universe in as fundamental a way as possible. It examines the mathematical relationships that exist among the physical entities of the world and, in particular, tries to discover the general principles that govern the behavior of the microscopic and macroscopic universe. Majors are prepared to enter graduate work with a firm grasp of the fundamentals. Introductory and special purpose courses are provided for students specializing in a wide variety of disciplines.

Major Program

Prerequisites. PHYS 215, 216, 225, 226, 506; MATH 121, 122, 221, 222.

Required. PHYS 451, 452, 511, 512, 525, 531, 532, 535, 536. Additional courses in mathematics, physics, and allied fields are selected with approval of the student's adviser. The exact number of such courses depends upon whether the student is pursuing a B.A. or a B.S. curriculum.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Department of Politics

Professors	Claes G. Ryn; David Walsh; John Kenneth White
Professors Emeriti	Charles Dechert; Wallace Thies; Joan B. Urban
Associate Professors	Dennis J. Coyle, <i>Chair</i> ; Christopher Darnton; Matthew Green; Phillip Henderson, John A. Kromkowski; Maryann Cusimano Love; James P. O'Leary; Stephen Schneck; Andrew Yeo
Assistant Professors	Dorle Hellmuth; Nicholas Dujmovic (visiting)
Lecturers	Lee Edwards
Director of Off- Campus Programs	Diana Rich

The Catholic University of America's Department of Politics offers a B.A. degree in politics. The faculty share a strong commitment to theoretical, historical, institutional, and constitutional approaches to the study of government and politics. In political theory, the department has special strengths in the history of Western political thought, American political thought, Christian political thought, culture and politics, constitutionalism, and contemporary political thought. In American government and politics, the department offers in-depth perspectives on the American presidency, Congress, the Supreme Court, constitutional law, U.S. political leadership, American political development, the values divide in American politics, and political parties and elections. In the field of world politics, the department offers broad expertise in such areas as American foreign policy; international relations; comparative government and politics; international political economy; European security; national security policy; modern Russia; Russian foreign policy; East Asian security; U.S. relations with China, Japan, and Korea; Latin American Politics; and U.S. Foreign Policy toward Latin America.

Major Program

Politics majors must successfully complete three introductory courses: Politics 111, Introduction to American Politics; Politics 112, Introduction to Comparative Politics; and Politics 211, Introduction to Political Theory. In addition, Politics 212, Introduction to International Relations, is required for all students specializing in world politics.

Each major takes at least 12 but not more than 14 courses in politics. Students are encouraged to take a broad range of courses and must pass a senior examination covering all three of the subfields of politics. In addition, each major will select an area of specialization within the department in either American Government, Political Theory, or World Politics (which includes International Relations and Comparative Politics) from which the second part of the senior examination will be drawn. The department also offers special programs, including a program in pre-law (see below).

In the senior year, a politics major must demonstrate a capacity for systematic writing and thinking in a substantial research paper, often completed within an advanced course in the student's specialization. Each politics major works closely with a member of the faculty to develop, revise, and refine the senior research paper. Qualified students may satisfy this requirement by writing a senior honors thesis over the course of the senior year. A student who is interested in the thesis option should consult with the department undergraduate coordinator and a prospective director in the spring of the junior year.

Parliamentary Internships and International Studies

The department offers a variety of opportunities for internships and study abroad. These include programs in British politics in London, Irish society and politics in Dublin, and European studies in Leuven, Belgium. The British and Irish programs include internships within the respective parliaments, together with regular coursework in politics and other subjects. Internships in the European Union are included in the Leuven program. The European Studies Program focuses on European political and economic integration, comparative government, the institutions of the European community, and European culture.

Washington Area Internships

Students who wish to undertake academically supervised field work in Congress, one of the executive agencies, a political party or an association having a political impact on public life may register for an internship course (Politics 495A or 495B). An undergraduate student may take two internships for credit, which may be applied to the 12-course concentration in politics. Only students with junior or senior standing are eligible to take an internship course.

Pre-Law Concentration

Students planning a career in law may wish to complete the department's pre-law sequence. In addition to the regular specialization requirements in American government, world politics or political theory, students complete a four-course sequence in public law. Each course in this sequence also counts for one of the other specializations.

In addition to the department's three introductory courses (see above), pre-law students are required to take POL 220, Introduction to Law and Politics. POL 220 should be taken first, but may be taken concurrently with another public law course.

Pre-law students must also take two public law courses at the 300 or 400 level, including at least one semester of Constitutional Law (POL 323 or 324). Pre-law students also must take an approved 500-level seminar course, typically during the senior year. Courses may include POL 507, The Supreme Court; POL 553, Constitutional Theory and Interpretation; POL 578, Advanced Topics in Public Law; or other courses designated at the time of registration.

For further information, or for advice on preparing and applying for law school, contact the department's pre-law sequence advisor, Professor Dennis Coyle (Coyle@cua.edu).

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

The courses below are designated as belonging to one of the three fields of specialization offered by the department. However, many of the courses cut across the boundaries within the discipline of politics and can be applied toward more than one field. Students should consult their advisor as to how particular courses may satisfy requirements in their program.

Department of Psychology

Professors	James F. Brennan; Carol R. Glass; David A. Jobes; Marc M. Sebrechts, <i>Chair</i> ; Barry M. Wagner
Professors Emeriti	Diane B. Arnkoff; James H. Howard Jr.; James P. O'Connor; Martin A. Safer; Antanas Suziedelis; James E. Youniss
Associate Professors	Sandra Barrueco; Deborah M. Clawson; Marcie Goeke-Morey; Brendan Rich
Assistant Professors	Nancy E. Adleman; Kathryn Degnan (Visiting)
Research Associates	Jennifer A. Crumlish; Keith Jennings; Keith A. Kaufman; Edward Metz
Lecturers	Travis Flower; Michael Miller; John Parkhurst; Jonathan Segal

The Department of Psychology, one of the first established in the United States, was founded in 1892 by Edward Pace upon his return from study with Wilhelm Wundt in Leipzig. From early in its history, the department has combined education in both theoretical and applied aspects of psychology.

The B.A. program in psychology is designed to give students a thorough background in psychological theory and methodology and to acquaint them with a variety of content areas such as developmental, social, personality, clinical, perception, cognition, and

neuroscience. This program gives the major an excellent preparation for graduate training in psychology. It also provides preparation for graduate work in other social science domains such as education, sociology, and political science, as well as for professional training in medicine, dentistry, physical therapy, occupational therapy, business, social work, and law. There are many areas of employment for psychology majors with a B.A. degree, including advertising, management, mental health, child development, forensics, communications, education, marketing, personnel, human resources, and government.

Major in Psychology

Psychology majors are required to take a total of 12 courses in psychology, including General Psychology (PSY 201), Introductory Statistics (PSY 322 or HSSS 203, includes lab), General Research Methods in Psychology (PSY 350, includes lab), which are prerequisites for Senior Seminar (PSY 451). Out of the eight remaining electives in psychology, one course must be selected from each of four content areas: experimental, clinical, developmental, and social/personality psychology. In addition, one of these eight electives must be a 370-level course together with its corresponding 470-level laboratory section, to be taken after completing PSY 322 and 350.

Students have the opportunity to earn course credit for hands-on research experience (Research Apprenticeship, PSY 493) and for Psychology Internships (PSY 495) at numerous sites in the Washington, DC area. Juniors with at least a 3.7 GPA who are involved in ongoing research with a department faculty member may apply to do a Senior Thesis (PSY 496) with Department consent.

Students must maintain a 2.0 overall grade point average, and earn grades of C- or better in all psychology courses. Undergraduate psychology requirements and information on the department and on careers in psychology are given in the Psychology *Undergraduate Handbook*, available from the Department of Psychology and on the departmental Web site: <http://psychology.cua.edu>.

Courses are numbered as most appropriate for, but not limited to, the following students: 200 level, all students, no prerequisites; 300 level, all students, most with PSY 201 as prerequisite; 400 level, juniors and seniors with PSY 201 as prerequisite; 500 level, juniors and seniors (and also masters-level students) with PSY 201 as prerequisite; 600 level, most appropriate for graduate students but open to juniors and seniors by permission.

Minor in Psychology

Students can earn a minor in Psychology by completing six courses: PSY 201 (General Psychology), one from each of three areas (experimental, clinical, developmental, or social/personality psychology), and two psychology electives. Specifics are listed at psychology.cua.edu/undergrad/minor.cfm

Minor in Neuroscience

Students can earn an interdisciplinary minor in Neuroscience by completing six courses, including selections from Biology, Biomedical Engineering, Computer Science, and Psychology as described at psychology.cua.edu/undergrad/neuroscience-minor.cfm.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult **Cardinal Station** for additional information about courses and to determine course offerings by semester.

Department of Semitic and Egyptian Languages and Literatures

Professor Emeritus	Rev. Sidney H. Griffith, S.T.
Associate Professor	Edward M. Cook, <i>Chair</i> ; Andrew D. Gross
Assistant Professor	Aaron Butts
Adjunct Associate Professor	Janet A. Timbie
Lecturer	Shawqi Talia
Lecturer	Monica J. Blanchard

The Department of Semitic and Egyptian Languages and Literatures is basically a graduate department. Introductory language courses, however, are open to interested undergraduates. In particular, the two courses entitled "Introduction to Arabic" (241, 242) are designed to accommodate undergraduate students; 6 credits each, these two courses are equivalent to four semesters of the

usual introductory and intermediate language instruction. SEM 242 fulfills the school's distribution requirement in foreign language; see the next paragraph below. Courses at the 500 and 600 levels are open to qualified undergraduates. Undergraduate students who have completed the introductory language courses may take the more advanced courses that follow in sequence, for which they should consult the Graduate Studies Announcements.

Foreign Language Requirement

The foreign language requirement for degrees in the School of Arts and Sciences may be fulfilled by satisfactorily completing SEM 242, Introduction to Arabic (6 credits). The prerequisite for SEM 242 is SEM 241 (6 credits), with a grade of at least C-, or departmental placement. SEM 241 does not fulfill the foreign language requirement but counts as a free elective.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Department of Sociology

Professor	Sandra L. Hanson
Associate Professors	Enrique S. Pumar, <i>Chair</i>
Assistant Professors	Evita Bynum (Clinical)
Adjunct Faculty	John F. Liddi; David Mutchler; Florencio Riguera, Christopher R. Tamborini

The Department of Sociology, one of the oldest in the United States, was founded in the mid-1890s. William J. Kerby and Paul Hanly Furfey were early chairs of the department. Programs are offered at the undergraduate and graduate levels.

The undergraduate program in Sociology, like its graduate equivalent, is organized around three principal areas:

1. Public Policy Analysis, offering courses on inequality and poverty eradication; educational and family institutions and policies in a comparative context; ethnicity and race as major forces that hold society together or split it apart; urban America; disability, sports and gender policies; as well as economic sociology and social change;
2. Criminology and Criminal Justice, offering courses on the sociology of law; international crime and terrorism; global threats and threat management; surveillance and penology; sociology of organizations and law enforcement; and potential social impacts of crime and justice prevention programs.
3. Global Processes, offering courses on globalization involving immigration, race/ethnicity, and gender; political and religious change, civil society and social justice; and comparative analyses of contemporary societies, with special focus on Latin American and European societies.

In each of these areas the special focus is on social justice. Students receive basic training in research methods and theory. Undergraduate education in sociology serves as an excellent conduit to professional positions in law enforcement, public policy, and social research, as well as preparation for successful application to law schools, graduate programs in sociology and social work, and professional schools.

Each major must complete the core curriculum of SOC 101, 102, 202, 301, 352, 452, plus six additional courses in sociology with a grade of C or better in each course. Students are expected to take 202 in the sophomore year, 301 and 352 in the junior year, and 452 in the senior year.

Requirements for a minor in sociology include 101, 102, 202, 352, and two electives in other sociology courses. The Sociology Department also houses a minor in Global Migration Studies.

Each major in sociology will be assigned a departmental adviser who will assist the student in making curricular choices to suit particular educational goals, and who must approve each semester's course selections. Students may elect one or two semesters of Independent Research (495, 496) in order to provide individually tailored programs. Advisers may approve related courses in other departments as part of the twelve courses required for the major in sociology. Up to six hours may be earned in supervised internships. Students planning to pursue graduate studies in sociology are strongly encouraged to enroll in Data Handling in Social Science (513).

The Department of Sociology offers qualified students a five-year B.A./M.A. degree. See the entry for *Accelerated Degree Programs* above in the School of Arts and Sciences section of these *Announcements*. The department offers two merit honors. Students who

earn a GPA of 3.2 or higher in sociology courses are nominated for the Alpha Jappa Delta international honor society. The graduating senior with the highest GPA in Sociology is awarded the William Joseph Kerby Award.

Courses Offered

A full listing of undergraduate courses offered by the department is found below. Consult [Cardinal Station](#) for additional information about courses and to determine course offerings by semester.

Listing of Courses Offered by the School of Arts & Sciences

ANTH	101	Introduction to Anthropology: Cultures in a Global Society
ANTH	105	Human Evolution
ANTH	105	Human Evolution
ANTH	108	Introduction to Archeology
ANTH	108	Introduction to Archeology
ANTH	110	Speech and Experience: Anthropology of Language
ANTH	136	Magic, Witchcraft & Religion
ANTH	150DTR	Transfer Credit Distribution
ANTH	150MTR	Transfer Credit for Concentration
ANTH	151DTR	Transfer Credit Distribution
ANTH	151MTR	Transfer Credit for Concentration
ANTH	152DTR	Transfer Credit Distribution
ANTH	152MTR	Transfer Credit for Concentration
ANTH	153DTR	Transfer Credit Distribution
ANTH	155TR	Anthropology Free Elective
ANTH	200	Core Perspectives in Anthropology
ANTH	201	Research Design and Conduct in Anthropology
ANTH	202	Sex & Culture in Modern World
ANTH	204	Forensic Anthropology
ANTH	206	Exploration, Excavation & Explanation: Laboratory Analysis and Field Investigation Techniques
ANTH	214	The Anthropology of Food
ANTH	215	Archeology of the Biblical Lands
ANTH	217	Migrants, Refugees and the Homeless
ANTH	218	End of Nature? Environmental Degradation in a Globalizing Society
ANTH	220	Technology & Society
ANTH	230	Sacred Cities of the World
ANTH	250	New Political Anthropology
ANTH	254	Ancient Cultures of South America
ANTH	259	Ancient Art and Architecture
ANTH	260	Religion, Thought and Moral Imagination
ANTH	270	The Information Society
ANTH	310	Islam in the Modern World
ANTH	311	Heritage, Archaeology and the Contemporary Middle East
ANTH	313	Environment & Society

ANTH	315	Globalization and the Culture of Capitalism
ANTH	322	Lost Cities & Ancient Empires
ANTH	324	Cultural Heritage of Native America
ANTH	334	The Incas
ANTH	341	Health Society and Culture
ANTH	354	Archaeology of Settlements & Landscapes
ANTH	355	Latinos and Latinas in the U.S.
ANTH	359	Prehistoric Art & Architecture
ANTH	366	Identity & Community in America
ANTH	371	Latin America in the New Millennium
ANTH	390	Politics & Religion in the Middle East
ANTH	452	Senior Seminar
ANTH	493	Student-Faculty Research
ANTH	495	Practicum/Internship in Anthropology
ANTH	496	Senior Thesis in Anthropology
ANTH	498	Undergraduate Comprehensive Examination
ART	101	Fundamentals of Design I
ART	102	Fundamentals of Design II
ART	112	Foundations of Art
ART	150DTR	Transfer Credits Distribution
ART	150MTR	Transfer Credit for Concentration
ART	151DTR	Transfer Credit Distribution
ART	151MTR	Transfer Credit for Concentration
ART	152DTR	Transfer Credit Distribution
ART	152MTR	Transfer Credit for Concentration
ART	153DTR	Transfer Credit Distribution
ART	153DTR	Transfer Credit Distribution
ART	153DTR	Transfer Credit Distribution
ART	155TR	Art Free Elective
ART	201	Drawing and Composition I
ART	202	Drawing and Composition II
ART	203	Drawing Techniques of the Masters
ART	204	Drawing for Beginners: Learning to See
ART	205	Watercolor Painting
ART	207	Drawing and Composition for Artists I
ART	208	Drawing and Composition for Artists II
ART	211	History of Art: Prehistory to the Middle Ages
ART	212	History of Art: From the Renaissance to the Modern Age
ART	214	Architecture of Ancient Rome
ART	215	Architecture of Renaissance Venice (1500-1600)
ART	221	The Enlightenment and the Modern World
ART	229	Cell Phone Photography
ART	230	Smart Phone Filmmaking

ART	231	Introduction to Digital Design: Motion Graphics & Graphic Design
ART	232	Introduction to Digital Art: Photo-Manipulation and Digital Painting
ART	234	Sculpting Saints, Angels and Demons: Studio Figurative Sculpture in Clay
ART	235	Introduction to 3-D Sculpting
ART	236	Time Based Media
ART	251	CUA @ the National Gallery of Art
ART	252	CUA@NGA: In Depth Modern Art from Edouard Manet to Salvador Dali
ART	253	Art of Mary at the National Gallery
ART	271	Introduction to Ceramic Art
ART	272	Survey of American Art, 1600-1913
ART	301	Splendors of Byzantium: Art and Culture of the Empire, 330-1453
ART	302	Death, Art & the Afterlife
ART	303	Painting I
ART	304	Painting II
ART	305	Sculpture I
ART	306	Sculpture II
ART	307	Sculpture in Digital Space
ART	308	Metal Sculpture
ART	309	Introduction to Photography
ART	310	Introduction to Early Christian Art and Archaeology
ART	311	Byzantium & the West: Cultural and Artistic Exchange in Medieval Europe, c. 1000 & 1300
ART	314	Art Concepts and Studio Skills
ART	315	Web Design and Development
ART	317	Greek Art and Architecture
ART	318	Roman Art and Architecture
ART	318R	Roman Art and Architecture
ART	319	Renaissance Art
ART	320	Baroque Art
ART	321	Venetian Art
ART	322	The Visual Culture of Renaissance Rome
ART	323	Nineteenth Century Art: Neoclassicism, Romanticism, Realism, and Impressionism
ART	324	Realism, Impressionism, and the Birth of Modernism
ART	325	Rococo to Romanticism
ART	326	American Art and Culture: From the Colonial Period to the Civil War
ART	327	Rome, the Eternal City
ART	328	The Art and Literature of Paris
ART	329	Introduction Digital Photography and Photoshop
ART	330	Rembrandt Van Rijn: His Paintings and Graphic works
ART	331	Modern Art: From Post-Impressionism to Modernism (1880s-1945)
ART	332	Contemporary Art (1945-Present)
ART	333	Digital Applications for Fine Arts
ART	334	History of Photography
ART	335	Western Medieval Art and Architecture

ART	336	Seventeenth Century Dutch Painting
ART	337	Method and Materials in Painting
ART	338	Love and Ecstasy in Renaissance Art
ART	339	Intermediate Photography
ART	340	Heroic & Holy: Powerful Women in Art
ART	341	Islamic Art and Architecture
ART	342	Introduction to Web Design
ART	343	Introduction to Sound Production and Design
ART	344	Multimedia Art Using Final Cut Pro
ART	345	Art and Power
ART	346	Art, Religion and Magic in Renaissance and Baroque Italy
ART	347	Northern Renaissance Art: From Van Eyck to Bruegel
ART	348	European Art Between the World Wars
ART	349	Art and Archaeology of Bronze Age Greece
ART	350	Symbolic Sites: Monuments, Memorials, and Memories
ART	351	Museum Studies
ART	351A	Gallery Practices: Curating, Installing, Interpreting and Publicizing Exhibitions
ART	352	Arts & Culture Reporting
ART	353	Junior Studio Art Seminar
ART	354	American Pop Art in the 1960's
ART	355	Art and Devotion
ART	356	Topics in 17th Century Art: Artemisia Gentileschi & Caravaggio
ART	357	DaDa & Surrealism
ART	358	The Cult of Saints in Medieval Europe
ART	359	Painting: Symbolism and Metaphor
ART	360	Sculptural Self Portraits
ART	361	Junior Art History Seminar
ART	362	Making Your Mark: Experimental Drawing
ART	363	Liturgical Sculpture: A Studio Exploration of the Sacred and Profane
ART	364	Advanced Multimedia Art Using Final Cut Pro
ART	365	Selected Topics in Eighteenth-, Nineteenth-, and Twentieth-Century Art
ART	366	The Legacy of Lincoln: American Art and Culture from 1809 to 1930
ART	367	Van Gogh and His Circle
ART	368	Michelangelo, Leonardo and Raphael
ART	369	The Problem of the "Modern Manner": Italian Art from Bellini to Raphael
ART	370	Selected Problems in Chinese and Japanese Art
ART	371	Modern Manner: Italian Art from Bellini to Raphael
ART	372	American Art and Culture: From the Age of Discovery to the Age of Lincoln
ART	373	Art and Spirituality: Making and Meaning in Medieval Italy 1100 - 1400
ART	374	How to Survive the Bomb: Art, Music, and Literature in the 1950s
ART	375	Artistic Exchange between the Netherlands and Italy
ART	376	Advanced Studio Art Practice
ART	381	Figure Drawing

ART	382	Figure Painting
ART	383	Video Production
ART	384	Digital Photography and Dynamic Narrative
ART	385	Screen Printing
ART	386	Introduction to 3D Modeling and Animation
ART	390	A World Filled with Gods: Pagan, Jewish, Christian and Muslim Art in Late Antiquity
ART	395	Intermediate to Advanced Screen Printing
ART	401	Advanced Painting
ART	406	Advanced Sculpture
ART	408	Advanced Metal Sculpture
ART	410	Introduction to Digital Photography
ART	411	Advance Digital Photography
ART	420	Art and Critical Theory
ART	422	Body and/as Image:Expression, Identity, and Subjectivity
ART	439	Advance Photography
ART	442	Advance Web Design Using CSS
ART	446	Painting
ART	451	Senior Studio Art Coordinating Seminar
ART	451A	Senior Art History Coordinating Seminar
ART	452	CUA@NGA: Avdanced Modern Art from Edouard Manet to Salvador Dali
ART	456	Advanced Studio Problems
ART	462	Twentieth Century Art
ART	471	Ceramic Art
ART	473	Studio Concepts: Virtues and Vices
ART	474	Seeing is Believing
ART	475	Intermediate Ceramic Art
ART	481	Senior Honors Tutorial
ART	485	Intermediate Painting Problems
ART	494H	Independent Study Art History
ART	494S	Independent Study Studio Art
ART	495H	Internship - Art History
ART	495S	Internship - Studio Art
ART	498H	Undergraduate Comprehensive Examination: Art History
ART	498S	Undergraduate Comprehensive Examination: Studio Art
CBIO	150DTR	Transfer Credits Distribution
CBIO	150MTR	Transfer Credit for Concentration
CBIO	151DTR	Transfer Credit Distribution
CBIO	151MTR	Transfer Credit for Concentration
CBIO	152DTR	Transfer Credit Distribution
CBIO	152MTR	Transfer Credit for Concentration
CBIO	153DTR	Transfer Credit Distribution
CBIO	155TR	Biochemistry Free Elective
FREE	101TR	Free Elective

HUMM	101TR	Humanities Requirement 1
HUMM	102TR	Humanities Requirement 2
HUMM	103TR	Humanities Requirement 3
HUMM	104TR	Humanities Requirement 4
LANG	101TR	Language Requirement 1
LANG	102TR	Language Requirement 2
LANG	103TR	Language Requirement 3
LANG	104TR	Language Requirement 4
LIT	101TR	Literature Transfer I
LIT	102TR	Literature Transfer 2
MNNS	101TR	Math/Natural Sciences Requirement 1
MNNS	102TR	Math/Natural Sciences Requirement 2 Math/Natural Sciences Requirement 3
MNNS	103TR	Math/Natural Sciences Requirement 3
MNNS	104TR	Math/Natural Science Requirement 4
SBHS	101TR	Social/Behavioral Sciences 1
SBHS	102TR	Social/Behavioral Sciences Requirement 2
SBHS	103TR	Social/Behavioral Sciences 3
SBHS	104TR	Social/Behavioral Sciences 4
XCHG	117	Italian II, Rome
XCHG	240	Philosophy of Religion II
BIOL	101	A Literary Approach to Biology
BIOL	102	Teaching Science at the Elementary Level
BIOL	103	General Biology I
BIOL	104	General Biology II
BIOL	105	Mechanisms of Life I
BIOL	105	Mechanisms of Life I
BIOL	106	Mechanisms of Life II
BIOL	106	Mechanisms of Life II
BIOL	114	Field Biology for Non-Science Majors
BIOL	150DTR	Transfer Credits Distribution
BIOL	150MTR	Transfer Credit for Concentration
BIOL	151DTR	Transfer Credit Distribution
BIOL	151MTR	Transfer Credit for Concentration
BIOL	152DTR	Transfer Credit Distribution
BIOL	152MTR	Transfer Credit for Concentration
BIOL	153MTR	Transfer Credits Distribution
BIOL	155TR	Biology Free Elective
BIOL	207	Genetics
BIOL	217	Molecular Genetics & Protein Engineering
BIOL	218	Molecular Cell Biology Lab
BIOL	223	Microbiology
BIOL	223	Microbiology

BIOL	232	Human Anatomy & Physiology I
BIOL	232	Human Anatomy & Physiology I
BIOL	233	Human Anatomy & Physiology II
BIOL	233	Human Anatomy & Physiology II
BIOL	317	Investigations in Molecular Cell Biology
BIOL	341	Ecology
BIOL	397	The Development and Application of Modern Genetics
BIOL	418	Physiology
BIOL	418	Physiology
BIOL	432	Histology
BIOL	449	General Microbiology
BIOL	449	General Microbiology
BIOL	452	Coordinating Seminar
BIOL	454	Biological Chemistry
BIOL	473	Clinical Chemistry I
BIOL	474	Clinical Chemistry II
BIOL	475	Hematology I
BIOL	476	Hematology II
BIOL	477	Immunohematology I
BIOL	478	Immunohematology II
BIOL	479	Clinical Microbiology I
BIOL	480	Clinical Microbiology II
BIOL	484	Lab Management & Education
BIOL	485	Clinical Chemistry Practicum
BIOL	487	Hematology Practicum
BIOL	488	Immunohematology Practicum
BIOL	489	Clinical Microbiology Practicum
BIOL	491	Clinical Lab Instrumentation
BIOL	493	Research Problems in Biology
BIOL	497	Urinalysis & Body Fluids
BIOL	498	Undergraduate Comprehensive Examination
BIOL	499	Biology Education
CHEM	103	General Chemistry I
CHEM	103O	General Chemistry I
CHEM	104	General Chemistry II
CHEM	107	General Chemistry I for Engineers
CHEM	108	General Chemistry II
CHEM	109	General, Organic, and Biochemistry for the Health Sciences
CHEM	109O	General, Organic, and Biochemistry for the Health Sciences
CHEM	110	Introduction to Earth Science
CHEM	113	General Chemistry Laboratory I
CHEM	114	General Chemistry Laboratory II
CHEM	119	General, Organic and Biochemistry for Health Sciences Laboratory

CHEM	125	Chemistry in Our Lives
CHEM	126	Chemistry in Modern Times
CHEM	127	Biochemistry in Science Fiction
CHEM	128	Food meets Science: The biochemistry of cooking
CHEM	150DTR	Transfer Credits Distribution
CHEM	150MTR	Transfer Credit for Concentration
CHEM	151DTR	Transfer Credit Distribution
CHEM	151MTR	Transfer Credit for Concentration
CHEM	152DTR	Transfer Credit Distribution
CHEM	152MTR	Transfer Credit for Concentration
CHEM	153DTR	Transfer Credit Distribution
CHEM	155TR	Chemistry Free Elective
CHEM	202	Science Under Oath
CHEM	203	Organic Chemistry I
CHEM	204	Organic Chemistry II
CHEM	213	Organic Chemistry I Lab
CHEM	214	Organic Chemistry Laboratory II
CHEM	308	Batteries, Fuel Cells, and Energy Storage
CHEM	311	Analytical Chemistry
CHEM	311	Analytical Chemistry
CHEM	317	Principles of Environmental Science
CHEM	318	Seminar in Environmental Science
CHEM	351	Physical Chemistry I
CHEM	352	Physical Chemistry II
CHEM	353	Physical Chemistry I Lab
CHEM	401	Advanced Inorganic Chemistry
CHEM	402	Bioinorganic Chemistry
CHEM	405	Science Communication
CHEM	408	Instrumental Analysis & Chemical Spectroscopy
CHEM	418	Chemical Instrumentation Lab
CHEM	442	Environmental Chemistry Laboratory
CHEM	471	Biochemistry I
CHEM	472	Biochemistry II
CHEM	493	Undergraduate Research
CHEM	495	Internship in the Environment or Sustainability
CHEM	496	Biochemical Techniques
CHEM	498	Undergraduate Comprehensive Examination
CNCC	1300	PH: Introduction to Digital Photo
CNGU	21	Intermediate Turkish
CNGU	351	MLSC: Tutorial: Military Science
CNGW	235	FORS: (MV) Medical Chemistry II
CNHU	9	AERO: AS Alternative Lab
CNHU	21	Eval of USAF Air & Space Power

CNHU	179	CRN 10165 African American Art
XSPA	400	Cultural Anthropology of Andalusia
DR	101	Theatre I
DR	102	Introduction to the Alexander Technique
DR	104	Theatre II
DR	110	Theatre World
DR	113	Theatre Practice
DR	150DTR	Transfer Credits Distribution
DR	150MTR	Transfer Credit for Concentration
DR	155TR	Drama Free Elective
DR	201	Theatre Topics
DR	202	Theatre Topics
DR	205	Introduction to Speech Communications
DR	206	Acting I
DR	207	Introduction to Design
DR	300	Performance 300
DR	305	Theatre Topics III
DR	306	Theatre Production
DR	307	Speech for the Actor
DR	312	Directing I
DR	320	Improvisation Workshop
DR	341	Costume Construction
DR	380	British Drama (London)
DR	403	Public Speaking
DR	407	Advanced Speech for the Actor
DR	410	Drama in Education 1
DR	415	Acting II
DR	440	Scene Design
DR	441	Scene Painting
DR	443	Stage Lighting
DR	449	Costume Design
DR	451	Senior Seminar
DR	462	Senior Project
DR	465	Acting III
DR	494	Independent Study
DR	495	Theatre Internship
DR	498	Undergraduate Comprehensive Examination
ECST	305	Ancient Christian Roots
EDUC	101	Introduction to Teaching
EDUC	251	Foundations of Education
EDUC	261	Human Growth and Development
EDUC	271	Psychology of Education
EDUC	301	Practicum Early Childhood/Elementary Education

EDUC	302	Practicum in Early Childhood/Elementary Education
EDUC	302	Practicum in Early Childhood/Elementary Education
EDUC	303	Practicum in Early Childhood / Elementary Education
EDUC	311	Children's Literature in Curriculum
EDUC	312	Curriculum and Instruction in Early Childhood and Elementary School
EDUC	313	Classroom Management for Regular and Special Needs Children
EDUC	320	Teaching Early Childhood & Elementary Social Studies (PreK-6th grade)
EDUC	321	Teaching Early Childhood and Elementary Science, Health and Physical Education (PreK-6th Grade)
EDUC	323	Methods and Materials in Modern Elementary Mathematics
EDUC	324	Reading and Language Arts in the Elementary School
EDUC	341	Curriculum and Strategies in Early Childhood Education
EDUC	342	Models in Early Childhood Education
EDUC	372	Understanding Learning Disabilities
EDUC	381	Educating Diverse Learners
EDUC	382	Reading in the Content Areas: Learning to Learn from Text
EDUC	383	Reading in the Content Areas Practicum
EDUC	386	Curriculum and Methods in Adolescent Education
EDUC	387	Adolescent Education: Practicum
EDUC	400	Reflective Teaching Tutorial
EDUC	401	Supervised Internship & Seminar: Early Childhood
EDUC	402	Supervised Internship & Seminar: Early Childhood
EDUC	403	Supervised Internship & Seminar: Early Childhood
EDUC	411	Student Teaching and Seminar: Elementary
EDUC	412	Student Teaching and Seminar: Elementary
EDUC	413	Student Teaching and Seminar: Elementary
EDUC	420	Transformational Leadership and Reflective Thinking for Educational Professionals
EDUC	421	Interpersonal Communication, Consultation & the Process of Change
EDUC	422	Race, Class, Gender and Disability in Education
EDUC	425	Psychology of Learning for Diverse Populations
EDUC	432	School Community Pract I
EDUC	440	Parenting in Diverse Environments
EDUC	441	Practicum in Nonschool Educational Settings
EDUC	443	Parenting in Diverse Contexts
EDUC	445	Contemporary Issues in American Education
EDUC	453	Elem Gen-Choral Music Methods
EDUC	461	Student Teaching and Seminar: Secondary Education
EDUC	462	Student Teaching and Seminar: Secondary Education
EDUC	463	Student Teaching and Seminar: Secondary Education
EDUC	478	Secondary Content Methods
EDUC	479	Teaching Mathematics in Middle Schools and High Schools
EDUC	480	Teaching English in Secondary Schools
EDUC	485	Teaching Social Studies in Secondary Schools

EDUC	493	Research Apprenticeship for UG
EDUC	494A	Independent Study
EDUC	494B	Independent Study
EDUC	494C	Undergraduate Independent Study for Methods Course
EDUC	495	Internship in Non-School Setting II
EDUC	498	Undergraduate Comprehensive Examination
ENG	101	Writing: Logic and Rhetoric
ENG	101H	Writing: Logic and Rhetoric
ENG	102	Writing About Literature
ENG	103	English Composition for International Students
ENG	104	Literature and Composition for International Students
ENG	120	Exploring Dublin
ENG	124	Classics in the Christian Tradition
ENG	150DTR	Transfer Credits Distribution
ENG	150MTR	Transfer Credit for Concentration
ENG	151DTR	Transfer Credit Distribution
ENG	151MTR	Transfer Credit for Concentration
ENG	152DTR	Transfer Credit Distribution
ENG	152MTR	Transfer Credit for Concentration
ENG	153DTR	Transfer Credit Distribution
ENG	155TR	English Free Elective
ENG	201	Form and Value in Poetry
ENG	202	Elements of Drama
ENG	205	The Literature of Fantasy
ENG	206	Grimms' Fairy Tales in their European Context
ENG	206	Grimms' Fairy Tales in their European Context
ENG	209	Studies in Short Fiction
ENG	210	Intro to Modern & Postmodern Literature
ENG	215	Satire in Modern Literature and Film
ENG	231	The History of English Literature I
ENG	231	The History of English Literature I
ENG	232	The History of English Literature II
ENG	232	The History of English Literature II
ENG	235	American Literature I
ENG	235	American Literature I
ENG	236	American Literature II
ENG	236	American Literature II
ENG	245	Detective Fiction
ENG	250	Medieval Pathways
ENG	290	Contemporary Literature and War
ENG	301	Creative Writing: Fiction
ENG	302	Creative Writing: Poetry
ENG	305	From Shakespeare to Sheridan, the Irish in the Theatre:1600-1775

ENG	306	Dublin & the Invention of Ireland
ENG	311	Greek and Roman Mythology
ENG	311	Greek and Roman Mythology
ENG	312	Norse Mythology
ENG	314	Rome in English Drama
ENG	324	Introduction to Linguistics
ENG	325	Contemporary English Grammar
ENG	326	Workshop: Writing Improvement
ENG	327	Argumentative Writing
ENG	328	Writing Center Theory & Practice
ENG	331	Intensive Readings: Lyric
ENG	332	Intensive Readings: Drama
ENG	333	Intensive Readings: Narrative
ENG	337	World Fictions
ENG	339	American and British Novels in Counterpoint
ENG	340	Old English Literature
ENG	341	Beowulf and Friends
ENG	342	History of the English Language
ENG	345	Epic Tradition from Homer to Walcott
ENG	347	Christian Literary Traditions
ENG	351	Chaucer and His Age I
ENG	352	Chaucer and His Age II
ENG	353	Chaucer and the Italians (Rome)
ENG	356	Arthurian Literature
ENG	360	Modern Irish Literature, 1798 & 1998
ENG	363	American Drama Before O'Neill
ENG	364	Milton's English Poetry
ENG	365	Contemporary American Poetry
ENG	366	American Humor
ENG	368	Seamus Heaney & His Contexts
ENG	369	Renaissance Poetry
ENG	370	18th Century English Novel
ENG	371	Readings in Eighteenth-Century English Literature
ENG	372	Restoration & 18th Century Drama
ENG	373	Nineteenth Century British Literature
ENG	374	20th Century British Literature
ENG	377	Film and Fiction 19th Century Adaptations
ENG	378	Italy in American and British Literature (Rome)
ENG	379	Jane Austen
ENG	380	British Drama (London)
ENG	381	Poetry and Rock in the Age of Dickey and Dylan
ENG	388	American Women Writers
ENG	390	Literature of the American South

ENG	392	Coming of Age in America
ENG	395	Lincoln in Literature and Film
ENG	397	Modern American Poetry
ENG	399	Modern American Drama
ENG	402	English Poetry & World War
ENG	403	Mark Twain and Henry James
ENG	404	Hemingway, Fitzgerald, Stein
ENG	405	Yeats, Eliot, Pound
ENG	410	African-American Literature
ENG	419	Lincoln's Eloquence
ENG	430	Art of Rhetoric
ENG	431	Coordinating Seminar I
ENG	432	Coordinating Seminar II
ENG	451	Film Narrative: Hitchcock
ENG	452	Film Narrative: Stanley Kubrick
ENG	453	American Film Comedy
ENG	455	The Crime Film and Literature
ENG	461	Plays of Shakespeare I
ENG	462	Plays of Shakespeare II
ENG	463	Shakespeare's Italian Plays
ENG	483	Literature and Religion in 19th Century England
ENG	485	20th Century Irish Literature
ENG	489	Hawthorne and Melville
ENG	494	Independent Studies
ENG	498	Undergraduate Comprehensive Examination
CLAS	125	Archaeology of Daily Life in Ancient Greece and Rome
CLAS	150DTR	Transfer Credits Distribution
CLAS	150MTR	Transfer Credit for Concentration
CLAS	151DTR	Transfer Credit Distribution
CLAS	151MTR	Transfer Credit for Concentration
CLAS	152DTR	Transfer Credit Distribution
CLAS	152MTR	Transfer Credit for Concentration
CLAS	153DTR	Transfer Credit Distribution
CLAS	155TR	Classics Free Elective
CLAS	190	Archaeology of the Classical World
CLAS	205	History of Ancient Greece
CLAS	205	History of Ancient Greece
CLAS	206	History of Ancient Rome
CLAS	206	History of Ancient Rome
CLAS	206R	History of Ancient Rome
CLAS	211	Greek and Roman Mythology
CLAS	211	Greek and Roman Mythology
CLAS	215	Ancient Heroic Poetry

CLAS	224	Etymology
CLAS	225	Ancient Warfare and Martial Arts
CLAS	251	Ancient World in Cinema
CLAS	300	Greek Tragedy and Opera
CLAS	301R	Roman History and Opera
CLAS	302	Greek and Roman Religion
CLAS	304R	Constantine and the Conversion of Empire
CLAS	305	The Roman Family
CLAS	306	Death, Art and the Afterlife
CLAS	307R	The Birth and Death of an Empire: Soldiers, Land, and Population Transferrals in Ancient Rome
CLAS	309	Art and Archaeology of Bronze Age Greece
CLAS	312	Greek Literature in Translation
CLAS	313	Roman Literature in Translation
CLAS	314R	Vergil's Aeneid and Its World
CLAS	317	Greek Art and Architecture
CLAS	318	Roman Art and Architecture
CLAS	318R	Art and Architecture of Ancient Rome
CLAS	319	Introduction to Early Christian Art and Archaeology
CLAS	321	Numismatic Workshop
CLAS	325	Archeology of Ancient Life
CLAS	326	Greek and Roman Houses
CLAS	327	The Archaeology of Ancient Performance: Images, Spaces, Practices
CLAS	350	Ancient Romans on the Good Life
CLAS	425	Senior Tutorial
CLAS	426	Senior Project
CLAS	431	The Teaching of the Classics
CLAS	446	Augustan Rome
CLAS	472	Mediterranean World of Late Antiquity
CLAS	492	Directed Reading - Undergraduate
CLAS	493	Directed Research
CLAS	493A	Directed Research
CLAS	493B	Directed Research
CLAS	495	Internship
CLAS	498	Undergraduate Comprehensive Examination
GR	101	Elementary Greek I
GR	102	Elementary Greek II
GR	103	Intermediate Greek I
GR	104	Intermediate Greek II
GR	120	Introduction to Modern Greek
GR	150DTR	Transfer Credits Distirbution
GR	150MTR	Transfer Credit for Concentration
GR	151DTR	Transfer Credits Distribution
GR	151MTR	Transfer Credit for Concentration

GR	152DTR	Transfer Credits Distribution
GR	152MTR	Transfer Credit for Concentration
GR	153DTR	Transfer Credits Distribution
GR	155TR	Greek Free Elective
GR	201	Readings in New Testament Greek
GR	335	Socrates
GR	340	Herodotus
GR	409	Intensive Elementary Greek
GR	411	Greek Prose Composition
GR	412	Advanced Grammar and Prose Style
GR	415	Greek Historiography
GR	416	Intensive Intermediate Greek I
GR	417	Intensive Intermediate Greek II
GR	418	Greek Tragedy
GR	423	Homer
GR	424	Homeric Hymns
GR	428	Greek Lyric
GR	429	Greek Choral Lyric
GR	432	Greek Comedy
GR	434	Greek Historical Writing
GR	435	Greek Epic
GR	448	Greek Pastoral
GR	450	Stars, Fate, and the Soul
GR	453	Greek Oratory
GR	465	Advanced Greek Seminar
GR	476	Greek Philosophical Works
GR	481	The Greek Novel
GR	487	The Athenian Empire
GR	492	Directed Reading
GR	492R	Directed Reading
LAT	101	Elementary Latin I
LAT	102	Elementary Latin II
LAT	102R	Elementary Latin II - Rome Campus
LAT	103	Intermediate Latin I
LAT	103R	Intermediate Latin I - Rome Campus
LAT	104	Intermediate Latin II
LAT	104R	Intermediate Latin II - Rome Campus
LAT	150DTR	Transfer Credits Distribution
LAT	150MTR	Transfer Credit for Concentration
LAT	151DTR	Transfer Credits Distribution
LAT	151MTR	Transfer Credit for Concentration
LAT	152DTR	Transfer Credits Distribution
LAT	152MTR	Transfer Credit for Concentration

LAT	153DTR	Transfer Credits Distribution
LAT	155TR	Latin Free Elective
LAT	314	Livy
LAT	407	Introduction to Ecclesiastical Latin
LAT	408	Readings in Ecclesiastical Latin
LAT	409	Intensive Elementary Latin
LAT	410	Readings in Postclassical Latin
LAT	411	Latin Prose Composition
LAT	412	Advanced Grammar and Prose Style
LAT	415	Roman Historiography
LAT	416	Intensive Intermediate Latin I
LAT	417	Intensive Intermediate Latin II
LAT	420	Roman Drama
LAT	424	Julius Caesar
LAT	428	Roman Lyric
LAT	429	Roman Elegy
LAT	430	Ovid
LAT	431	Horace
LAT	432	Virgil's Aeneid
LAT	433	Virgil's Eclogues and Georgics
LAT	435	Latin Epic
LAT	448	Roman Pastoral
LAT	453	Roman Oratory
LAT	458	Roman Satire
LAT	459	Lucretius
LAT	461	Introduction to Medieval Latin Studies
LAT	462	Topics in Medieval Latin Studies
LAT	465	Advanced Latin Seminar
LAT	476	Roman Philosophical Works
LAT	477	Early Christian Biography
LAT	479	Roman Epistolography
LAT	481	The Roman Novel
LAT	485	Augustine's Confessions
LAT	487	The Roman Revolution
LAT	488	The Age of Nero
LAT	489	The Christian Church in the Roman Empire
LAT	492	Directed Reading
LAT	492R	Directed Reading
LAT	493	Directed Research
LAT	498	Undergraduate Comprehensive Examination
LAT	533	Virgil's Eclogues and Georgics
HIST	137	The Rise and Fall of Emperors: Julius Caesar, Charles V, and Napoleon
HIST	138	London: From Imperial Metropolis to Global City

HIST	150DTR	Transfer Credits Distribution
HIST	150MTR	Transfer Credit for Concentration
HIST	151DTR	Transfer Credits Distribution
HIST	151MTR	Transfer Credit for Concentration
HIST	152DTR	Transfer Credits Distribution
HIST	152MTR	Transfer Credit for Concentration
HIST	153DTR	Transfer Credits Distribution
HIST	155TR	History Free Elective
HIST	201	Medieval Pathways
HIST	205	History of Ancient Greece
HIST	205	History of Ancient Greece
HIST	206	History of Ancient Rome
HIST	206	History of Ancient Rome
HIST	206R	History of Rome
HIST	216	Beyond the 'Fall' of Rome, 400-800
HIST	216	Beyond the 'Fall' of Rome, 400-800
HIST	216A	Medieval England
HIST	216A	Medieval England
HIST	221	Early Modern Europe
HIST	221	Early Modern Europe
HIST	221A	Early Modern Europe and the World
HIST	222	Modern European History, 1789-Present
HIST	222	Modern European History, 1789-Present
HIST	225	Ancient Warfare and Martial Arts
HIST	225A	History of Ireland to 1607
HIST	225A	History of Ireland to 1607
HIST	226	British Empire, 1750-1970
HIST	226	British Empire, 1750-1970
HIST	229	Global Migrations to the New World, 1492-present
HIST	229	Global Migrations to the New World, 1492-present
HIST	231	World in the 20th Century
HIST	235	Medieval World
HIST	235	Medieval World
HIST	236A	The World of the Crusades
HIST	236A	The World of the Crusades
HIST	245A	Early Modern Europe
HIST	257	The Making of America, 1607-1877
HIST	257	The Making of America, 1607-1877
HIST	258	American History Survey II
HIST	258	American History Survey II
HIST	280	The United States in the Nineteenth Century
HIST	280	The United States in the Nineteenth Century
HIST	280B	The United States in the 20th Century

HIST	280B	The United States in the 20th Century
HIST	281	Colonial Latin America
HIST	282	Modern Latin America
HIST	300	Age of Discovery: Iberian World
HIST	301A	Medieval Kingship
HIST	301B	Europe 400-800
HIST	302A	Europe in the Twelfth Century
HIST	302B	The Post-Roman World, 410-750
HIST	303	Mediterranean Society & Culture
HIST	303B	Western Medieval Art and Architecture
HIST	304R	Constantine
HIST	305A	Ancient Christian Roots
HIST	306	Women and Gender in the Middle Ages, 1100-1500
HIST	307	Comparative Colonial Systems, 1500-1800
HIST	307A	The Catholic Missionary Church in the Americas and Asia, 1500-1800
HIST	308	History of Byzantium and the Creation of the Orthodox World, 500-1200
HIST	308A	The Modern Middle East
HIST	309	The Rise of Islam
HIST	309B	Ancient Israel in its Near Eastern Context
HIST	309C	Muslims, Christians and Jews in the Medieval Mediterranean
HIST	310	Religion and Society in Medieval Europe, 300 - 1500
HIST	311	The Crusades
HIST	311A	Medieval Warfare & Knighthood
HIST	311B	Gunpowder Empires of Islam: the Ottomans, Safavids and Mughals
HIST	312	Medieval Japan
HIST	312A	European Law from Antiquity to Napoleon
HIST	313A	Charlemagne and the Birth of Europe
HIST	316	England After the Black Death
HIST	317	Medieval Italy
HIST	317A	Modern Italy since 1860
HIST	318	Anglo-Saxon England
HIST	319A	American Religious History
HIST	322	Tyrants and Vagabonds
HIST	322A	England in the Century of Revolution
HIST	323	The Renaissance, 1300-1530
HIST	323A	Renaissance Papacy
HIST	325	Europe in the Reformation Era, 1500-1648
HIST	326A	Britain and the Second World War
HIST	326B	British Empire
HIST	326C	The British Empire and the First World War
HIST	327	Twentieth-Century Britain
HIST	328	History of Ireland 1600-1975
HIST	328A	From Shakespeare to Sheridan: The Irish in the Theatre, 1600-1775

HIST	329	History Of British Cinema
HIST	329A	The Family in European History
HIST	329B	The Middle Ages at the Movies
HIST	330A	The Celtic World: People and Mythology
HIST	331A	Early Modern Europe, 1450 - 1750
HIST	331B	Fashion and Society Since 1500
HIST	332	The French Revolution
HIST	332A	Medieval Paris
HIST	333A	East Asia Since 1600
HIST	333B	Modern China
HIST	334A	Modern Germany, 1870 to the Present
HIST	337	The Science of Man: Great Works of Modern Social Thoughts
HIST	337A	Modern Europe: Survey of Key Events & Processes in Mod European Hist frm French Rev to Present
HIST	337B	Russia Since 1900
HIST	338	Europe, 1945-1995
HIST	338A	The Idea of Europe. European Integration since 1914
HIST	339A	Capitalism in Modern Western Thought
HIST	340	Modern European Intellectual History I
HIST	340A	Mapping History
HIST	341	Modern European Intellectual History II
HIST	342A	US Business: A History of its Industrial, Technological, Political and Cultural Legacy, 1800-1990
HIST	343A	Debating American Conservatism
HIST	343B	Liberalism & Conservatism
HIST	345	Imperial Austria I
HIST	346	Triumph and Catastrophe: The Habsburg Empire (1792-1920).
HIST	348	America and the World
HIST	348A	American Popular Music
HIST	348B	Researching Media History & Archival Analysis
HIST	348C	Vice in America
HIST	349	Washington: Symbol and City
HIST	350	Europe Since 1945
HIST	353	The Era of Civil War and Reconstruction
HIST	353A	Abraham Lincoln in History and Memory
HIST	357	Hist of Old South 1607-1865
HIST	357A	US South Since The Civil War
HIST	358	Interwar America: 1919-1941
HIST	358A	US in Depression and War, 1929-1945
HIST	358B	Postwar America: 1945-2001, A Restless Superpower
HIST	360	U.S. Immigration & Ethnicity
HIST	361A	The Legacy of Lincoln: American Art and Culture from 1809 to 1930
HIST	362	Nazism
HIST	367	Empires, Indians, and Colonists in America, 1492-1763

HIST	369	US Civil Rights Movement, 1945-Present
HIST	370	Religion and Society in the Early Modern World
HIST	371A	Colonial Latin America
HIST	371B	Modern Latin America
HIST	371C	Cuba: From Colony to Cold War
HIST	373A	American Religious History
HIST	373B	Politics and Religion in 20th Century U.S. History
HIST	374	The Rise of American Slavery and Its Defeat, 1492-1865
HIST	375	Revolutionary America and the Early Republic
HIST	376A	The First World War, 1914 - 1918
HIST	377	World War II
HIST	379	The Cold War 1945-1975
HIST	379A	The Vietnam War
HIST	380	The Irish in America
HIST	380A	Medieval Ireland to 1607
HIST	380B	The Capetian Dynasty: A Survey of Medieval France in the High Middle Ages
HIST	380C	Modern Ireland: The British Centuries, 1600-1973
HIST	381	California, Texas and the U.S.-Mexico Borderlands
HIST	383A	Latinos in the US
HIST	384	The Church in Latin America, 1492-Present
HIST	386	Modern Mexico
HIST	387A	Junior Seminar
HIST	390A	Crisis and Continuity in Seventeenth Century Europe
HIST	391	Hapsburg Emp East Eur to 1848
HIST	395A	The Victorians
HIST	410	Seminar: Persecution and Tolerance in the Medieval Mediterranean
HIST	411	Seminar: Witch-hunting in Colonial America
HIST	412	Seminar: Martin Luther and the Reformation in Germany
HIST	420	History of Rome
HIST	422	Magna Carta in England and America
HIST	430	Commerce, Culture, and Catholicism
HIST	430B	The Spirit of Enterprise: Commerce, Culture and Catholicism Through the Ages
HIST	492	Directed Readings
HIST	494	Research Apprenticeship
HIST	495	Internship
HIST	496	Senior Thesis Seminar
HIST	620	The Mediterranean World of Late Antiquity
HSAM	101	The Mortal and Divine in Art and Music: Catholic Inspiration across the Ages
HSCP	490	Honors Senior Seminar
HSEV	101	Environmental Science and Engineering
HSEV	102	Religion, Ethics and Ecology
HSEV	203	The Economics of Energy and The Environment
HSEV	204	Environmental Politics and Policy

HSHU	101	Jesus to Muhammad: The Early Christians in the Mediterranean World
HSHU	102	Charlemagne to Chaucer: Christian Life in the Middle Ages
HSHU	203	The Age of Discovery
HSHU	204	Christian Culture/Secular Age
HSIN	495	University Honors Program Internship
HSLs	201	The Virtues
HSLs	202	Mary as Mother, Woman, Idea: An Interdisciplinary Seminar
HSLs	205	City of Athens from Antiquity
HSLs	328	Undergraduate Research Journal Production
HSLs	492	Directed Readings in Rome - Honors
HSSS	101	The Concept of the Person in the Social Sciences
HSSS	102	Economic Reasoning and Social Issues
HSSS	203	Social Data Analysis and the Study of Uncertainty
HSSS	204	Families, Markets, Cities: Social and Scientific Perspectives
HUM	101	Classics in Conversation I: The Dawning of the Western Tradition
HUM	124	Classics in Conversation II: The Christian West
LSC	322	Digital Content Creation and Management
MATH	108	Elementary Functions
MATH	110	Finite Mathematics for Business and Economics
MATH	111	Calculus for Social-Life Sciences I
MATH	112	Calculus for Social-Life Sciences II
MATH	114	Probability and Statistics
MATH	121	Analytic Geometry and Calculus I
MATH	122	Analytic Geometry & Calculus II
MATH	150DTR	Transfer Credits Distribution
MATH	150MTR	Transfer Credit for Concentration
MATH	151	Mathematical Analysis I
MATH	151DTR	Transfer Credits Distribution
MATH	151MTR	Transfer Credit for Concentration
MATH	152DTR	Transfer Credits Distribution
MATH	152MTR	Transfer Credit for Concentration
MATH	153DTR	Transfer Credits Distribution
MATH	155TR	Mathematics Free Elective
MATH	168	Mathematics in the Modern World
MATH	175	Mathematics in Politics
MATH	187	Introduction to Mathematical Thought
MATH	221	Analytic Geometry & Calculus III
MATH	222	Calculus IV Differential Eqns
MATH	230	Mathematical Topics in the Social Sciences I (UH)
MATH	248	Fundamentals of Advanced Mathematics
MATH	301	Linear Algebra
MATH	309	Probability and Statistics for Engineers
MATH	321	Abstract Algebra I

MATH	322	Abstract Algebra II
MATH	330	Mathematical Topics in the Social Sciences II (UH)
MATH	403	Euclidean & Noneuclidean Geometry
MATH	407	Graph Theory
MATH	408	Elementary Number Theory
MATH	409	Algebraic Number Theory
MATH	410	Introduction to Lie groups and Lie algebras
MATH	415	Combinatorics
MATH	420	Topology
MATH	421	Introductory Analysis I
MATH	422	Introductory Analysis II
MATH	424	Complex Variables
MATH	427	Chaotic Dynamics
MATH	431	Probability and Statistics with Applications I
MATH	432	Probability and Statistics with Applications II
MATH	436	Introduction to Game Theory
MATH	441	Introduction to Partial Differential Equations
MATH	442	Introduction to Difference Equations
MATH	450	Foundations of Mathematics
MATH	451	Introduction to Mathematical Logic
MATH	461	Numerical Analysis I
MATH	462	Numerical Analysis II
MATH	492	Directed Reading
MATH	494	Independent Study
MATH	498	Undergraduate Comprehensive Examination
MDST	201	Medieval Pathways
MDST	310	Splendors of Byzantium: Art and Culture of the Empire, 330-1453
MDST	496A	Senior Seminar
MDST	496B	Senior Seminar
MDST	498	Undergraduate Comprehensive Examination
MDIA	150DTR	Transfer Credit Distribution
MDIA	150MTR	Transfer Credit for Concentration
MDIA	151DTR	Transfer Credit Distribution
MDIA	151MTR	Transfer Credit for Concentration
MDIA	152DTR	Transfer Credit Distribution
MDIA	152MTR	Transfer Credit for Concentration
MDIA	153DTR	Transfer Credit Distribution
MDIA	155TR	Communications Free Elective
MDIA	201	Intro to Media and Communication Studies
MDIA	201	Intro to Media and Communication Studies
MDIA	201	Intro to Media and Communication Studies
MDIA	202	Media and History
MDIA	202	Media and History

MDIA	210	Italian Women Artists
MDIA	212	Italy in Early Cinema
MDIA	301	Media and Rhetoric
MDIA	302	Media Rhetoric and Aesthetics
MDIA	305	The Myth of Childhood in Italian Cinema
MDIA	306	The Italian-American Experience: A Survey
MDIA	307	The Splendor of Rome in Literature & Film
MDIA	308	Mafia, Politics and Society in Italian Cinema
MDIA	308	Mafia, Politics and Society in Italian Cinema
MDIA	311	Critical Approaches to Media
MDIA	311	Critical Approaches to Media
MDIA	312	Media Composition
MDIA	317	Media and Social Change
MDIA	318	Media, Satire & Citizenship
MDIA	318A	Media and Foreign Policy
MDIA	320	Civic Media: Policy and Design
MDIA	321	Legal Issues in Communications
MDIA	322	Media and Crime
MDIA	324	Silent Film Music
MDIA	325	Media Advocacy and Activism
MDIA	327	Media and the Middle East
MDIA	328	Clint Eastwood: Violence, Vengeance, & Redemption
MDIA	328	Clint Eastwood: Violence, Vengeance, & Redemption
MDIA	330	Introduction to Journalism
MDIA	333	Advanced Journalism
MDIA	334	Media Ethics
MDIA	337	Media and the Underclass
MDIA	338	Art of the Interview
MDIA	340	German Weimar Culture
MDIA	352	Museum Studies
MDIA	353	Television and American Culture
MDIA	353	Television and American Culture
MDIA	354	Media Industries
MDIA	355	TV on the Internet
MDIA	360	Popular Culture
MDIA	361	History of Popular Music
MDIA	366	American Humor
MDIA	381	Photography in the Digital Age
MDIA	384	Video Art
MDIA	385	Digital Video Editing
MDIA	392	Digital Media Cultures
MDIA	393	Special Topics in New Media
MDIA	395	Lincoln in Literature and Film

MDIA	399	Junior Seminar in Media Studies
MDIA	403	Advanced Video Production
MDIA	412	Special Projects in Media Production
MDIA	417	Researching Media History: Discovering Cultural History at the Library of Congress
MDIA	419	Lincoln's Eloquence
MDIA	420	American Political Rhetoric
MDIA	424	The Rhetoric of Advertising
MDIA	430	The Rhetoric of Propaganda
MDIA	451	Film Narrative: Hitchcock
MDIA	452	Film Narrative: Stanley Kubrick
MDIA	453	American Film Comedy
MDIA	454	American Film Comedy II
MDIA	455	The Crime Film and Literature
MDIA	457	Media Audiences: Reading & Reception
MDIA	458	Religion and Media
MDIA	459	Non-Fiction Film & Media
MDIA	459	Non-Fiction Film & Media
MDIA	464	Topics in Television Studies
MDIA	494	Independent Study in Media
MDIA	495	Media Internship
MDIA	498	Undergraduate Comprehensive Examination
MDIA	499	Senior Seminar: Topics in Media Studies
UMGT	443	Labor-MGT Relations
ARAB	101	Introduction to Modern Standard Arabic
ARAB	102	Elementary Modern Standard Arabic II
ARAB	103	Intermediate Modern Standard Arabic I
ARAB	104	Intermediate Modern Standard Arabic II
ARAB	111	Modern Standard Arabic Literacy at CUA
ARAB	130	Intro to Arabic Language and Culture
ARAB	199	Language and Culture Immersion in Arabic
ARAB	201	Introduction to Arabic Culture
ARAB	203	Advanced Composition and Conversation I
ARAB	204	Advanced Composition and Conversation II
ARAB	205	Media Arabic
ARAB	213	Development and Humanitarian Interventions in the Middle East, Africa, and Beyond
ARAB	494	Independent Study
ASL	101	American Sign Language I
ASL	102	American Sign Language II
CHN	101	Beginning Mandarin Chinese I
CHN	102	Beginning Mandarin Chinese II
CHN	103	Intermediate Mandarin Chinese I
CHN	104	Intermediate Mandarin Chinese
CHN	150DTR	Transfer Credits Distribution

CHN	150MTR	Transfer Credit for Concentration
CHN	151DTR	Transfer Credits Distribution
CHN	151MTR	Transfer Credit for Concentration
CHN	152DTR	Transfer Credits Distribution
CHN	152MTR	Transfer Credit for Concentration
CHN	201	Introduction to Chinese Culture
CHN	203	Advanced Composition and Conversation I
CHN	204	Advanced Composition and Conversation II
CHN	250	Chinese Migration around the World, 1500-Present
CHN	305	Chinese Through Film
CHN	310	Topics in Contemporary Chinese Society
CHN	494	Independent Study
CVEN	351	Introduction to Spanish/American Literature - Venezuela
CVEN	398	History of Venezuela
CVEN	461	Latin American Culture and Civilization - Venezuela
EURO	201	European Culture: Multiculturalism and National Identity
EURO	202	European Politics
EURO	203	European History
EURO	203	European History
EURO	210	French-German Couple and the Fabric of Europe
EURO	222	Modern Europe From 1789 until today
EURO	222	Modern Europe From 1789 until today
EURO	310	The Idea of Europe. European Integration Since 1914
FREN	101	Elementary French I
FREN	102	Elementary French II
FREN	103	Intermediate French I
FREN	104	Intermediate French II
FREN	112	Review of Elementary French
FREN	150DTR	Transfer Credit Distribution
FREN	150MTR	Transfer Credit for Concentration
FREN	151DTR	Transfer Credit Distribution
FREN	151MTR	Transfer Credit for Concentration
FREN	152DTR	Transfer Credit Distribution
FREN	152MTR	Transfer Credit for Concentration
FREN	153DTR	Transfer Credit Distribution
FREN	155TR	French Free Elective
FREN	203	Advanced French I: Themes in Literature & Culture
FREN	204	Advanced French II: Introduction to French Cinema
FREN	205	French Conversation
FREN	210	French-German Couple and the Fabric of Europe
FREN	211	French and Italian Women Writers
FREN	211D	French and Italian Women Writers DISCUSSION
FREN	213	Topics in French-American Relationship

FREN	216	Food Culture in France
FREN	216A	Food Culture in France (French Discussion Section)
FREN	217	Versailles: The Architecture of Power
FREN	220	Pirates of the Caribbean in Atlantic Literature
FREN	240	Colonization & Immigration
FREN	242	From Earth to the Moon: Rockets, Space Travel and Imagination in Fren. and Francophone Lit. and Film
FREN	251	The French Colonial Project and the "Civilizing Mission"
FREN	272	Politics & Culture in France & United States
FREN	275	The French "Exception" from Clovis to Hollande
FREN	279	Borders, Exile, & War in the Mashrek: Rep. in Media, Film, & Lit of the Francophone Middle East
FREN	300	Thinking Critically: Literature, Film, and Media in the French-Speaking World
FREN	301	Society and Culture in the French-Speaking World
FREN	302	Introduction to Francophone Literature and Culture
FREN	306	Contemporary France
FREN	328	The Art of Paris
FREN	330	Practical Phonetics
FREN	401	French for Business
FREN	402	Translation in Theory and Practice
FREN	488	Special Topics Seminar
FREN	489	Research Seminar
FREN	495	French Internship
FREN	498	Undergraduate Comprehensive Examination
GER	101	Elementary German I
GER	101M	Elementary German I
GER	102	Elementary German II
GER	102M	Elementary German II
GER	103	Intermediate German I
GER	104	Intermediate German II
GER	130	Berlin: A Walk through History
GER	150DTR	Transfer Credit Distribution
GER	150MTR	Transfer Credit for Concentration
GER	151DTR	Transfer Credit Distribution
GER	151MTR	Transfer Credit for Concentration
GER	152DTR	Transfer Credit Distribution
GER	152MTR	Transfer Credit for Concentration
GER	153DTR	Transfer Credit Distribution
GER	155TR	German Free Elective
GER	203	Advanced German I: German through Film
GER	204	Advanced German II: German through Literature
GER	220	Vienna in Literature and the Arts
GER	225	Magic in German and Hispanic Literature and Film
GER	230	Grimms' Fairy Tales

GER	230	Grimms' Fairy Tales
GER	242	Das Nibelungenlied: Myth and Ideology
GER	250	Berlin in Literature and Film
GER	260	100 Years of German Film
GER	300	Thinking Critically: Literature, Film, and Media in the German-Speaking World
GER	301	Society and Culture in the German-Speaking World
GER	320	Contemporary German Literature by Migrant Authors
GER	330	German Theater: Text and Performance
GER	360	Writing Since the 1990's
GER	401	German for Business
GER	402	Translation in Theory and Practice
GER	488	Special Topics Seminar
GER	489	Senior Research Seminar
GER	494	Independent Study
GER	495	German Internship
GER	498	Undergraduate Comprehensive Examination
IRSH	101	Irish Language and Culture I
IRSH	102	Beginners Irish Language & Culture II
IRSH	103	Irish Language and Culture III
IRSH	104	Lower Intermediate Irish Language & Culture
IRSH	110	Irish Language and Culture
IRSH	306	Dublin & the Invention of Ireland
IRSH	405	Yeats, Eliot, Pound
ITAL	100	Introduction to Italian
ITAL	101	Elementary Italian I
ITAL	101M	Elementary Italian I
ITAL	102	Elementary Italian II
ITAL	102M	Elementary Italian I
ITAL	103	Intermediate Italian I
ITAL	104	Intermediate Italian II
ITAL	120	Surfing Venice and its Splendors
ITAL	130	Introduction to Italian Culture and Language
ITAL	150DTR	Transfer Credits Distribution
ITAL	151DTR	Transfer Credits Distribution
ITAL	152DTR	Transfer Credits Distribution
ITAL	153DTR	Transfer Credits Distribution
ITAL	203	Advanced Italian I: Talking About Culture
ITAL	204	Advanced Italian II: Talking About Culture
ITAL	210	Italian Women Artists
ITAL	220	The Splendor of Rome in Literature & Film
ITAL	221	Mapping Italy Mapping Rome
ITAL	226	Fascism, Racism, and War in Italian Literature
ITAL	231	New Italian Cinema 1980-2005

ITAL	233	The Myth of Childhood in Italian Cinema
ITAL	240	Italy and the Renaissance
ITAL	250	The Italian American Experience; A Survey
ITAL	260	Dangerous Beauty: Venice and its Treasures
ITAL	303	Italy and Musical Tradition
ITAL	488	Senior Special Topics Seminar
ITAL	489	Research Seminar
ITAL	494	Independent Study
ML	101TR	Language Requirement
ML	102TR	Language Requirement
ML	103TR	Language Requirement
ML	104TR	Language Requirement
ML	155TR	Modern Languages Free Elective
ML	495	Modern Languages and Literatures Internship
PORT	201	Portuguese Language and Culture I
PORT	300	Portuguese for Spanish Speakers
PORT	330	Carnival and Samba in Brazilian Literature and Film
SPAN	101	Elementary Spanish I
SPAN	102	Elementary Spanish II
SPAN	103	Intermediate Spanish I
SPAN	104	Intermediate Spanish II
SPAN	107	Spanish for Health Care I
SPAN	107T	Spanish for Health Care I
SPAN	108	Spanish for Health Care II
SPAN	108P	International Clinical Practicum
SPAN	108T	Spanish for Health Care II
SPAN	111	Intermediate Spanish for Heritage Speakers
SPAN	112	Review of Elementary Spanish
SPAN	113	Intensive Intermediate Spanish
SPAN	120	Discovering Madrid Through the Arts
SPAN	150	Intensive Spanish Immersion Abroad
SPAN	150DTR	Transfer Credits Distribution
SPAN	150MTR	Transfer Credit for Concentration
SPAN	151DTR	Transfer Credits Distribution
SPAN	151MTR	Transfer Credit for Concentration
SPAN	152DTR	Transfer Credits Distribution
SPAN	152MTR	Transfer Credit for Concentration
SPAN	153DTR	Transfer Credits Distribution
SPAN	155TR	Spanish Free Elective
SPAN	198	Practical Spanish for Clinical Health Care Professionals
SPAN	203	Advanced Spanish Conversation & Composition I
SPAN	204	Advanced Spanish Conversation & Composition II
SPAN	205	Cultural Perspectives of Spain

SPAN	206	Topics in Latin American Culture
SPAN	207	Advanced Spanish for Health Care I
SPAN	208	Advanced Spanish for Health Care II
SPAN	210	Spanish for Heritage Speakers I
SPAN	211	Spanish for Heritage Speakers II
SPAN	213	Performing US Latino/a Identity
SPAN	215	Spain Through Art, Music and Literature
SPAN	225	Magic in German and Hispanic Literature and Film
SPAN	240	From Court to Modernity: Madrid Through the Arts
SPAN	267	Spanish as a Minority Language
SPAN	271	Spanish & Latin American Literature in Translation
SPAN	274	Costa Rica's Civilization and Culture
SPAN	277	Cultural Competence Awareness in Health Care
SPAN	277T	Cultural Competence Awareness in Health Care
SPAN	300	Thinking Critically: Literature, Film, and Media in the Spanish-Speaking World
SPAN	301	Society and Culture in the Spanish-Speaking World
SPAN	302	Mapping the Hispanic Worlds: Contemporary Issues, Trends and Debates in the US and Abroad
SPAN	304	Public Speaking: Strategies for Oral Communication in Spanish
SPAN	305	Public Speaking for Heritage Students
SPAN	306	Spanish Phonetics
SPAN	308	Applied Spanish in Health Care Education From Childhood To Advanced Years
SPAN	308	Applied Spanish in Health Care Education From Childhood To Advanced Years
SPAN	309	Taking Laughter Seriously: Humor in Latin American Cultures and Literatures
SPAN	310	Contemporary Hispanic Issues
SPAN	312	US Latino/a Literature, Film, and Music
SPAN	316	Advanced Writing and Grammar for Heritage Speakers
SPAN	321	Portraits of Spain: Literature and Culture in the Medieval and Early Modern Eras
SPAN	324	Mysticism in Literature and Film
SPAN	325	The Habsburg Dynasty in Spain: Politics and Past-Times
SPAN	333	Understanding How The Spanish Language Works
SPAN	345	Spanish in the United States: Debunking the Myths
SPAN	356	Latin/o American Popular Song: Socio-Political Movements
SPAN	376	20th Century Latin American Poetry
SPAN	380	Film, Culture and History
SPAN	401	Spanish for Business
SPAN	402	Translation in International Affairs
SPAN	412	Encounters: Exploration and Conquest of Latin America
SPAN	415	Latin American Short Fiction
SPAN	425	Memory of the Spanish Civil War
SPAN	448	Cervantes & Spanish Golden Age
SPAN	460	Spanish Variation in the World
SPAN	485	Legal Translation and Interpretation
SPAN	486	Special Projects in Advanced Translation

SPAN	488	Senior Special Topics Seminar
SPAN	489	Research Seminar
SPAN	494	Independent Study
SPAN	495A	Spanish Internship
SPAN	495B	Health Care Internship
SPAN	498	Undergraduate Comprehensive Examination
PHIL	103TR	Philosophy Elective Area 1
PHIL	104TR	Philosophy Elective Area 2
PHIL	150DTR	Transfer Credits Distribution
PHIL	150MTR	Transfer Credit for Concentration
PHIL	151DTR	Transfer Credits Distribution
PHIL	151MTR	Transfer Credit for Concentration
PHIL	152DTR	Transfer Credits Distribution
PHIL	152MTR	Transfer Credit for Concentration
PHIL	153DTR	Transfer Credits Distribution
PHIL	155TR	Philosophy Free Elective
PHIL	339	The Art of Greek and Roman Religion
PHYS	101	20th Century Physics I
PHYS	103	Astronomy
PHYS	104	Search of Extraterrestrial Life
PHYS	122	Sound & Light in Nature & Arts
PHYS	150DTR	Transfer Credits Distribution
PHYS	150MTR	Transfer Credit for Concentration
PHYS	151DTR	Transfer Credits Distribution
PHYS	151MTR	Transfer Credit for Concentration
PHYS	152DTR	Transfer Credits Distribution
PHYS	152MTR	Transfer Credit for Concentration
PHYS	153DTR	Transfer Credits Distribution
PHYS	155TR	Physics Free Elective
PHYS	177	Freshmen Seminar: The Atomic Age
PHYS	191	The Newtonian Revolution
PHYS	192	The Einstein/Bohr Revolution
PHYS	194	Space, Time, and Einstein's Theory of Relativity
PHYS	197	The Universe: The First 15 Billion Years
PHYS	199	Newton to Einstein & Beyond
PHYS	202	General College Phys II
PHYS	205	College Physics I
PHYS	205	College Physics I
PHYS	206	College Physics II
PHYS	206	College Physics II
PHYS	215	University Physics I
PHYS	215	University Physics I
PHYS	216	University Physics II

PHYS	216	University Physics II
PHYS	225	Introductory Mechanics Laboratory
PHYS	226	Introductory Electricity Laboratory
PHYS	240	Sun and Earth: Concepts & Connections
PHYS	406	Introduction to Modern Physics
PHYS	411	Mathematical Physics I
PHYS	412	Mathematical Physics II
PHYS	425	Thermodynamics & Statistical Physics
PHYS	428	Optics
PHYS	431	Quantum Theory I
PHYS	432	Quantum Theory II
PHYS	435	Analytical Mechanics
PHYS	436	Electricity and Magnetism
PHYS	437	Intermediate Nuclear Physics
PHYS	440	Materials Science: Structure and Properties of Solids
PHYS	441	Introduction to Nanotechnology and Device Characterization
PHYS	443	Introduction to Astrophysics
PHYS	451	Senior Seminar
PHYS	452	Senior Seminar II
PHYS	460	Data analysis tools & satellite instrumentation
PHYS	465	Intermediate Solid State Physics
PHYS	468	Introduction to Condensed Matter Physics
PHYS	469	Introduction to Biophysics
PHYS	475	Experimental Techniques and Modern Detectors
PHYS	492	Readings in Physics
PHYS	493	Advanced Research Practice
PHYS	494	Independent Research
PHYS	498	Undergraduate Comprehensive Examination
POL	111	Introduction to American Government
POL	112	Introduction to Comparative Politics
POL	150DTR	Transfer Credits Distribution
POL	150MTR	Transfer Credit for Concentration
POL	151DTR	Transfer Credits Distribution
POL	151MTR	Transfer Credit for Concentration
POL	152DTR	Transfer Credits Distribution
POL	152MTR	Transfer Credit for Concentration
POL	153DTR	Transfer Credits Distribution
POL	155TR	Politics Free Elective
POL	202	European Politics
POL	211	Introduction to Political Theory
POL	212	Introduction to International Relations
POL	220	Introduction to Law and Politics
POL	226	Introduction to Peace Studies

POL	230	Politics & The Media: An American-Global Perspective
POL	260	Introduction to American Intelligence
POL	270	Special Topics in Politics
POL	285	American Literature and Politics
POL	300	Introduction to Asian Politics
POL	301	Introduction to Public Administration, Governance, and Public Service
POL	302	Contemporary Issues of Public Policy
POL	303	Introduction to Environmental Political Theory
POL	305	Person and Polity
POL	307	Global Issues
POL	308	Transnational Politics
POL	310	The US Presidency
POL	310A	Islam and the Modern World
POL	312	The Civil Rights Movement
POL	313	Urban Government & Politics
POL	314	American Ethnic Politics
POL	316	The Congress
POL	317	American Public Opinion
POL	320	Comparative World Media
POL	322	Federalists and Anti-Federalists
POL	323	Constitutional Law I
POL	324	Constitutional Law II
POL	325	The Future of Europe
POL	326	Politics of the Middle East
POL	327	Nationalism and Islam: Post-Colonial Movements
POL	328	Catholic Social Teaching and Global Politics
POL	330	Counterinsurgency, Stabilization and Reconstruction
POL	333	Democracy and Democratization
POL	338	The Art of the Interview
POL	342	British Government and Politics
POL	343	Italian Politics (Rome)
POL	344	Brazil in World Affairs
POL	350	Latin American Politics
POL	351	The French Colonial Project and the "Civilizing Mission"
POL	356	Contemporary Islamic Political Theory
POL	357	Plato's Other Works
POL	359	Ancient & Medieval Political Thought
POL	360	Modern Political Thought
POL	361	American Politics in Film
POL	363	Politics of the 60's
POL	365	Post-Cold War Interventionism in U.S. Foreign Policy
POL	366	Democracy in Elections in France & US
POL	372	Politics and Culture in France and the United States

POL	375	The French "Exception" from Clovis to Hollande
POL	376	U.S. Foreign Policy Perspectives in the 21st Century
POL	400	American Political Parties
POL	400A	U.S. Foreign Policy in the Middle East
POL	400B	Comparative Politics of the Middle East
POL	401	Mass Media and American Politics
POL	402	The Values Divide: American Politics & Culture in Transition
POL	403	Poverty, Social Welfare, and Public Policy
POL	403A	Tocqueville's Political Thought: Hope, Religion, and Democracy
POL	403B	Crucial Cultural & Political Differences between France & America two centuries after Tocqueville
POL	404	Law and Morality
POL	405	National Elections
POL	405A	Constitutional Democracy
POL	407	U.S. Political Leadership to 1912
POL	407A	The Supreme Court
POL	408	Congressional Leadership
POL	410	American Political Thought I
POL	411	American Political Thought II
POL	412A	Homeland Security
POL	413A	Power in American Politics
POL	419	Interest Groups & American Politics
POL	420	Contemporary Issues in Congress
POL	423	Politics & Military Strategy
POL	424	Contemporary Issues in State and Local Government
POL	426	Al Qaeda and its Affiliates
POL	427	US Leadership Since 1912
POL	428	Conservatism and American Politics
POL	431A	East Asian Security
POL	432	Russian Foreign Policy, 1968 - 2008
POL	436	United States, China and International Relations of East Asia
POL	437	Countering Terrorists and Radicals
POL	438	Power, Ethics & Constitutionalism
POL	439	Who Are We? Modern Lit, Film, & Pop Culture
POL	440	Russian Defense and Security
POL	442	French Liberal Thought and Politics
POL	443	Politics of Overseas Bases and American Empire
POL	444	Politics in Film
POL	445	US Foreign Policy
POL	446	European Integration
POL	447	Nuclear Weapons After the Cold War
POL	448	Religion & World Politics
POL	454	Comparative Foreign Policy
POL	455	American Political Development

POL	456	Congress and Foreign Policy
POL	457	War in the Modern World
POL	458	The Media and Foreign Policy
POL	459	Human Rights Politics in Asia
POL	460	International Conflict Resolution
POL	463A	Russia Under Yeltsin, Putin, and Beyond
POL	469	Terrorism, Counterterrorism and Civil Liberties after 9/11: European and U.S. Approaches
POL	470	Communism Theory and Practice
POL	471	Issues in Contemporary U.S. Intelligence
POL	472	National Security Processes
POL	473	International Political Economy
POL	474	Topics in International Political Economy
POL	475	Advanced Special Topics in Politics
POL	476	Politics and Literature
POL	477	Political Theory of the American Framing
POL	478	Environmental Politics
POL	492	Undergraduate Directed Readings
POL	494	Undergraduate Independent Study
POL	495A	Congressional Internship
POL	495B	Washington Internship
POL	496A	Senior Honors Thesis
POL	496B	Senior Honors Thesis
POL	498	Undergraduate Comprehensive Examination
PSY	150DTR	Transfer Credits Distribution
PSY	150MTR	Transfer Credit for Concentration
PSY	151DTR	Transfer Credits Distribution
PSY	151MTR	Transfer Credit for Concentration
PSY	152DTR	Transfer Credits Distribution
PSY	152DTR	Transfer Credits Distribution
PSY	152MTR	Transfer Credit for Concentration
PSY	153DTR	Transfer Credits Distribution
PSY	155TR	Psychology Free Elective
PSY	201	General Psychology
PSY	207	Early Childhood Development
PSY	216	Psychology of Religion
PSY	224	Psychology of Women and Men
PSY	226	Close Interpersonal Relationships
PSY	228	Modern Look at Freudian Psychology
PSY	232	Psychology of Stress & Coping
PSY	240	The Aging Mind
PSY	243	Sport Psychology
PSY	245	Vocational Psychology
PSY	251	Psychology of Terrorism

PSY	261	Psychology and the Media
PSY	302	Forensic Psychology
PSY	303	Industrial Organizational Psychology
PSY	304	Brain and Behavior
PSY	305	Social Psychology
PSY	307	Child Development
PSY	308	Social Development
PSY	309	Psychology of Adolescence
PSY	310	Cognitive Development
PSY	322	Introductory Statistics
PSY	322	Introductory Statistics
PSY	345	Clinical Neuroscience
PSY	350	General Research Methods in Psychology
PSY	350	General Research Methods in Psychology
PSY	371	Sensation & Perception
PSY	373	Cognitive & Behavior Therapy
PSY	374	Personality Psychology
PSY	375	Psychology of Memory
PSY	376	Cognitive Psychology
PSY	379	Life Span Development
PSY	380	Abnormal Psychology
PSY	381	Clinical Psychology
PSY	382	Abnormal Child Psychology
PSY	383	Health Psychology
PSY	384	Community and Cultural Psychology
PSY	385	Psychology of Brain Injury
PSY	386	Developmental Disabilities
PSY	387	Community Interventions in Mental Health
PSY	407	Psychology of Parenting
PSY	411	Mindfulness and Meditation I
PSY	421	Positive Psychology
PSY	446	Cognitive Disabilities
PSY	447	Applied Cognitive Psychology
PSY	451	Senior Seminar
PSY	471	Laboratory in Sensation and Perception
PSY	473	Laboratory in Cognitive and Behavior Therapy
PSY	474	Laboratory in Personality
PSY	475	Lab in Psychology of Memory
PSY	476	Laboratory in Cognitive Psychology
PSY	479	Laboratory in Life Span Development
PSY	493	Research Apprenticeship for UG
PSY	495	Psychology Internship
PSY	496	Senior Thesis

PSY	498	Undergraduate Comprehensive Examination
MUS	150DTR	Transfer Credit Distribution
MUS	150MTR	Transfer Credit Concentration
MUS	151DTR	Transfer Credit Distribution
MUS	151MTR	Transfer Credit Concentration
MUS	152DTR	Transfer Credit Distribution
MUS	152MTR	Transfer Credit Concentration
MUS	153DTR	Transfer Credit Distribution
MUS	155TR	Music Free Elective
SEM	241	Introduction to Arabic
SEM	242	Introduction to Arabic
SEM	246	Introduction to Modern Standard Arabic
SEM	247	Arabic Literature in Translation
SEM	302	Ancient Israel in Its Near Eastern Context
SEM	311	Introduction to Biblical Hebrew
SEM	312	Introduction to Biblical Hebrew
SEM	331	Introduction to Syriac I
SEM	332	Introduction to Syriac II
SEM	381	Introduction to Coptic Studies
SOC	101	Introduction to Sociology
SOC	102	Global Social Problems and Social Justice
SOC	103	Pub Speaking
SOC	150DTR	Transfer Credits Distribution
SOC	150MTR	Transfer Credit for Concentration
SOC	151DTR	Transfer Credits Distribution
SOC	151MTR	Transfer Credit for Concentration
SOC	152DTR	Transfer Credits Distribution
SOC	152MTR	Transfer Credit for Concentration
SOC	153DTR	Transfer Credits Distribution
SOC	155TR	Sociology Free Elective
SOC	177	Freshman Seminar
SOC	201	The Human Condition: Culture, Society, and Personality
SOC	202	Research Methods
SOC	203	Intro to Statistics
SOC	204	Transnational Crime
SOC	205	Sociology of Crime and Justice
SOC	206	Families and Society
SOC	208	Sociology of Delinquency
SOC	225	Sociology of Culture
SOC	226	Peace Studies & Conflict Resolution
SOC	230	Jackie Robinson: Race, Sports, and the American Dream
SOC	235	Sociology of Media
SOC	241	Religion in the Modern World

SOC	270	Human Rights in a Global Society
SOC	301	Statistics of Analysis for Social Science I
SOC	305	Deviance
SOC	306	Sociology of Masculinity
SOC	307	Education and Society
SOC	308	Civil Society
SOC	309	Sociology of Law
SOC	310	Police, Law and Society
SOC	312	Minority Relations
SOC	315	Crimes in Urban America
SOC	316	World Poverty
SOC	317	Criminology
SOC	320	Terrorism and Counter Terrorism
SOC	321	Religion & International Development
SOC	322	Military and Society
SOC	323	Race Relations in Multicultural Societies
SOC	324	Race and Ethnic Relations
SOC	326	Pierre de Coubertin and the Olympic Movement
SOC	328	Death and Dying
SOC	331	Globalization & Social Movmnt
SOC	332	Popular Culture and Crime
SOC	334	Economic Sociology: Capitalism, Globalization and Development
SOC	335	Surveillance
SOC	336	Public Policy Around the World
SOC	337	International Organizations
SOC	338	The Urban Metropolis
SOC	339	Social Consequences of Global Natural Disasters
SOC	340	Catholic Social Doctrine and Social Justice
SOC	345	Sociology of Sports
SOC	349	Life in Fragments: The Future of Modern Society
SOC	350	Computer Applications for Policy Research
SOC	351	Inequality: The Intersection of Race, Class, and Gender
SOC	352	Contemporary Sociological Theory
SOC	357	National Security and Civil Liberties
SOC	360	Introduction to Social Psychology
SOC	361	Migration and Immigrant Communities
SOC	365	Controlling America's Borders: Issues and Problems
SOC	371	Deviance and Control
SOC	373	Cross Cultural Gender Studies
SOC	383	Disability Policies
SOC	401	Institutions and Organizations
SOC	407	Pillaging, Murder and Mayham: A Survey of Violent Crime
SOC	408	Religion and Terrorism

SOC	409	Class and Inequality in American Society
SOC	413	Gender and Society
SOC	420	Race, Housing and Urban Policy
SOC	423	Comparative Development and Social Change
SOC	424	Conflict and Conflict Resolution
SOC	425	Aging in a Global Society
SOC	433	Environmental Justice and Ethics
SOC	450	Race Relations in Feature Film
SOC	451	Senior Thesis Tutorial
SOC	452	Senior Coordinating Seminar
SOC	460	Political Sociology
SOC	473	Gender and Globalization
SOC	492	Directed Reading
SOC	493	Directed Research
SOC	494	Independent Study in Sociology
SOC	495	Internship
SOC	496	Thesis Guidance
SOC	498	Undergraduate Comprehensive Exam
SOC	499	Selected Topics in Sociology
WASH	101	Washington Past & Present: An Introductory Study