



COMMENCEMENT
THE UNIVERSITY OF MARYLAND COLLEGE PARK
DECEMBER 23, 1986



Chancellor's Message to the Graduates

It gives me great pleasure to congratulate each of you who is receiving a degree today. The College Park Campus community joins me in commending you on this singular accomplishment and in wishing you well in your future endeavors. We are proud of your success in achieving today's goal, and we hope that you carry the knowledge and talents you've developed into an exciting and challenging future.

Each of you, through your presence and participation, has made a contribution to the life of the College Park community. As you have grown and learned, those around you have learned from you. Now, by virtue of your achievements, you have an opportunity and a responsibility to enrich and enhance the world beyond the campus. I hope that each of you leaves this campus with both training for challenging work and the ability to be a clear-thinking, articulate, and compassionate member of our society.

Having achieved today's goal, let the next stage in your life be a period in which you dare to dream and dare to try. We face many problems—even crises—today in our world, but these are also exciting times that present exciting challenges. I believe that we must be willing to move away from the ordinary and be willing to take intelligent risks to accomplish many of the things we deem worthwhile.

Each of you is well on the way to a rewarding and promising future. You have demonstrated your ability and your determination, and I join your families, friends, and faculty in taking enormous pride in your success. I urge you to pursue your goals and your education as lifelong learners. I also urge you to shoulder your share of the responsibility for the next generation.

William Raspberry, the syndicated columnist of the *Washington Post*, reminded us at one of the University of Maryland's commencements that "Doing well is not enough. On this landmark day in your lives, I urge you—I seriously implore you—to do good." I believe that the educated person knows how to do well and how to do good. All of our futures depend upon our ability, as citizens and leaders, to strike that balance.



John B. Slaughter
Chancellor

Order of Convocation

December 23, 1986
9:30 a.m.

Cole Student
Activities Building

Presiding
Dr. John B. Slaughter
Chancellor
College Park Campus

Master of Ceremonies
Mr. C. John Sincell
Communication Arts and
Theatre

Processional
Symphonic Wind Ensemble
Conductor, Mr. John
Wakefield

Musical Selection
Alleluia
by Sven Lekberg
University Chorale
Conductor, Dr. Roger
Folstrom

Invocation
The Reverend Gerald
Buckner
Baptist Chaplain

The National Anthem
Led by Dr. Roger Folstrom

Greetings
Dr. John S. Toll
President
The University of Maryland

Mr. Allen L. Schwait
Chairman
Board of Regents

Address
Dr. Ira Michael Heyman
Chancellor
University of California at
Berkeley

**Conferring of Honorary
Degrees**
Dr. Toll

Remarks to the Graduates
Mr. Michael E. Lorenzen
Graduating Senior

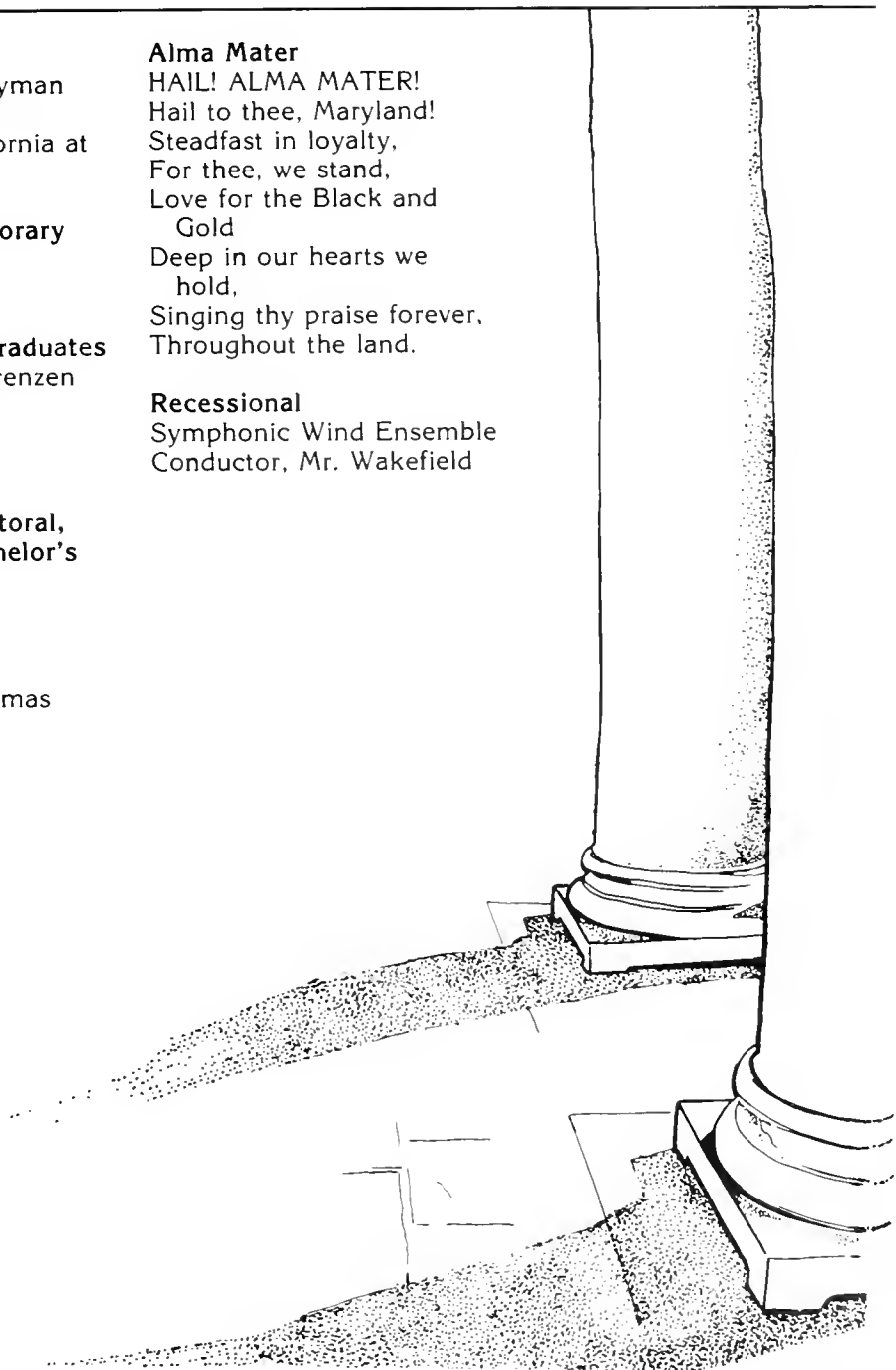
Dr. Slaughter

**Conferring of Doctoral,
Master's and Bachelor's
Degrees**
Dr. Slaughter

Benediction
The Reverend Thomas
Kalita
Catholic Chaplain

Alma Mater
HAIL! ALMA MATER!
Hail to thee, Maryland!
Steadfast in loyalty,
For thee, we stand,
Love for the Black and
Gold
Deep in our hearts we
hold,
Singing thy praise forever,
Throughout the land.

Recessional
Symphonic Wind Ensemble
Conductor, Mr. Wakefield



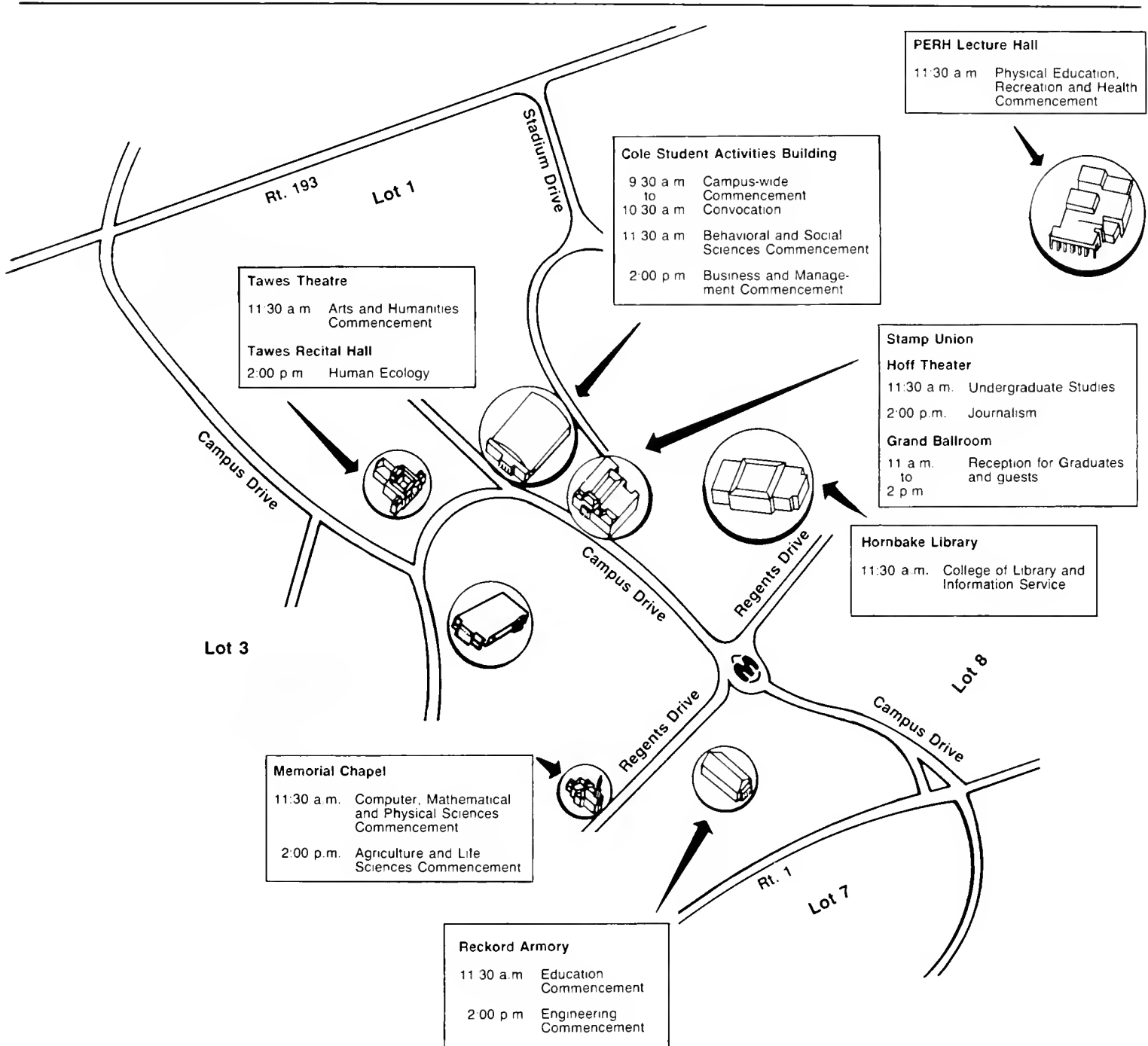
Schedule of Events

Following the Commencement Convocation, individual commencement exercises for Colleges and Schools will be held at several campus locations. Ceremonies are scheduled to begin at 11:30 a.m. and 2:00 p.m. *Please refer to the map on the opposite page for specific times and places.*

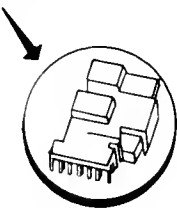
Graduates, their families and friends, are cordially invited and encouraged to join with University officials and members of the faculty at a reception to be held in the Grand Ballroom of the Adele H. Stamp Union between the hours of 11 a.m. and 2 p.m.

Limited shuttle bus service is available providing free transportation across the campus throughout the day.





PERH Lecture Hall
 11:30 a.m. Physical Education, Recreation and Health Commencement



Cole Student Activities Building
 9:30 a.m. Campus-wide Commencement
 10:30 a.m. Convocation
 11:30 a.m. Behavioral and Social Sciences Commencement
 2:00 p.m. Business and Management Commencement

Tawes Theatre
 11:30 a.m. Arts and Humanities Commencement
Tawes Recital Hall
 2:00 p.m. Human Ecology

Stamp Union
Hoff Theater
 11:30 a.m. Undergraduate Studies
 2:00 p.m. Journalism
Grand Ballroom
 11 a.m. Reception for Graduates and guests
 2 p.m.

Hornbake Library
 11:30 a.m. College of Library and Information Service

Memorial Chapel
 11:30 a.m. Computer, Mathematical and Physical Sciences Commencement
 2:00 p.m. Agriculture and Life Sciences Commencement

Reckord Armory
 11:30 a.m. Education Commencement
 2:00 p.m. Engineering Commencement

The College Park Campus and the University

The Graduates

Students graduating today from The University of Maryland College Park follow in the footsteps of many notable UMCP alumni who have distinguished themselves in such fields as science, entertainment, arts, journalism, business, law, medicine and government.

While he was a graduate student in mathematics at College Park, Herbert A. Hauptman (Ph.D. '54), worked simultaneously at the Naval Research Laboratory to devise a method for mapping three-dimensional structures of molecules. Three decades later he and Jerome Karle, his long-time collaborator at NRL, won the 1985 Nobel Prize in Chemistry for their pioneering research. Dr. Hauptman was awarded an honorary Doctor of Science degree by UMCP in 1985.

One of the youngest UMCP graduates ever, Charles Fefferman ('66), received a joint degree in mathematics and physics at age 17. Now a world-class mathematician and professor at Princeton University, he holds the Fields Medal, the most prestigious mathematics award.

NBC News anchor Connie Chung ('69) started her career at UMCP's *Diamondback* newspaper and the campus radio station WMUC.

One of the University's most devoted sons is A. James Clark ('50), president of the George Hyman Construction Co. and president and chairman of CEI Construction Inc., the umbrella organization for engineering and construction companies that include OMNI and Hyman. A member of the University's Board of Regents since 1981, Clark in 1983 made a major contribution to the College of Engineering which led to the establishment of the A.J. Clark Chair in Construction Engineering and Management.

Two-time Pulitzer Prize-winning journalist and science writer with Baltimore's *Evening Sun* Jon Franklin ('70) is a full-time professor of journalism at UMCP.

Other notable alumni include former Metropolitan Opera star and current UMCP associate professor of music, Carmen Balthrop ('71); George V. McGowan ('51), president of Baltimore Gas and Electric; Karl W. Meyer ('49), president of the University of Wisconsin, Superior Campus; Maryland's 5th District Congressman Steny Hoyer ('63); Tom McMillen ('74) formerly of the *Washington Bullets*, who was a Rhodes Scholar and member of the 1972 U.S. Olympic basketball team; Mary Stallings Coleman ('35), the first woman elected to the Supreme Court of Michigan; Fred O'Green ('49), retired

Curator of Textiles, Smithsonian Institution; James R. Buckler ('70), current Director of the Smithsonian's Office of Horticulture; Anne Truax Darlington ('52), creator of *Wall Street Week*, the director of the International Production Group for the Maryland Center for Public Broadcasting; and Allen J. Krowe ('54), senior vice president of the International Business Machines Corp.

The Campus

College Park is the seventh largest campus in the country in enrollment. In Fall 1986 undergraduates numbered 30,362 and graduate students 8,277 for a total enrollment of 38,639. This year's College Park operating budget is approximately \$330 million, including financial aid for some 19,300 students.

Students can choose from more than 125 undergraduate and 80 graduate programs leading to degrees. In 1985-86, the University awarded 5,447 bachelor's degrees, 1,075 master's and 371 doctorates.

History

The University began in Baltimore in 1807 as a faculty-owned College of Medicine, which granted the M.D. degree. Five years later, more degrees were added when the college was renamed The University of Maryland. The first dental school in America, the Baltimore College of Dental Surgery, became a part of the University in 1840. Later, the University opened schools of pharmacy, law and nursing.

The College Park Campus opened in 1859 under a charter secured in 1856 by a group of Maryland planters. Then called the Maryland Agricultural College, it became one of the original land-grant schools in 1865. After a disastrous fire in 1912, the state acquired control of the College and paid to rebuild it.

The present form of The University of Maryland dates back to a 1920 act of the state legislature joining the state-owned institution at College Park with the professional schools in Baltimore. The move created The University of Maryland College Park (UMCP) and The University of Maryland at Baltimore (UMAB). Three other campuses have since been added: Baltimore County (UMBC) in Catonsville; Eastern Shore (UMES) in Princess Anne; and the worldwide University College (UMUC), headquartered in College Park.



Stephen A. Devan

Libraries

Libraries on the College Park Campus include approximately 1.6 million volumes, 19,800 subscriptions to periodicals and newspapers, and more than 2.3 million units of microform. The Hornbake (Undergraduate) Library, for one, is among the nation's largest, with a seating capacity of 3,600.

Research Facilities

Among the exceptional research facilities on the campus are a computer vision laboratory; a full-scale low velocity wind tunnel; several smaller hypersonic helium wind tunnels; a 500 liter computer-controlled fermentation system for research in bioprocess scale-up programs; computer-assisted cartographic laboratories; the Center for Automation Research; a comfort perception laboratory; a quiescent plasma device (Q machine) for plasma research, and satellite remote sensing facilities.

The campus is home for the Engineering Research Center, a major vehicle for extending the technical and research expertise of The University of Maryland to businesses and industries throughout the State. The Center is both a catalyst for problem solving and a clearinghouse for information for technical information resources.

In 1985, the College Park Campus was awarded a five-year, \$16 million grant from the National Science Foundation to create a new Systems Research Center to facilitate research in artificial intelligence and computer-aided engineering. The Center complements a nationally recognized campus program of basic and applied research in computer science. In 1986, UMCP became one of 19 research institutions around the country to be linked via satellite to the Cray supercomputer facility at the University of California at San Diego.

The proximity of the campus to national research institutions such as the National Institutes of Health, the Smithsonian Institution, the USDA Beltsville National Agriculture Research Center and National Agricultural Library, and the Library of Congress ensures that prime research facilities are always available to the University's faculty and students.

Academic Costume

The black caps and gowns worn by the students and faculty in the academic procession have been the traditional costume of scholars since medieval times. They probably represent a kind of ecclesiastical dress, since many of the scholars of that period were members of monastic orders.

Most colleges and universities in the United States have adopted the uniform code for costumes drafted by an intercollegiate commission in 1893. Each of the three academic degrees—bachelor, master and doctor—has its own distinctive gown and hood. The bachelor's gown is distinguished by its long pointed sleeve. The master's gown has a longer, more narrow, closed sleeve extending below the knee; the arm fits through a slit at the elbow. The doctor's gown has a full, bell-shaped sleeve trimmed with three bars of velvet. The velvet trim on the gown can be black or a color indicating the wearer's general field of learning—for example, green for medicine or purple for law. A list of department colors follows.

Agriculture/Maize	Music/Pink
Arts, Letters, Humanities/White	Nursing/Apricot
Business Administration, Commercial Science/Drab	Oratory, Speech/Silver Gray
Dentistry/Lilac	Pharmacy/Olive
Economics/Copper	Philanthropy/Rose
Education/Light Blue	Philosophy/Dark Blue
Engineering/Orange	Public Administration, Foreign Service/Peacock Blue
Fine Arts, Architecture/Brown	Public Health/Salmon
Forestry/Russet	Physical Education/Sage Green
Home Economics/Maroon	Science/Golden Yellow
Journalism/Crimson	Social Work/Citron
Law/Purple	Theology and Divinity/Scarlet
Library Science/Lemon	Veterinary Sciences/Gray
Medicine/Green	

The most colorful and distinctive part of the academic costume is the hood extending down the back. The doctor's is the largest of the hoods and the bachelor's is the smallest. The bachelor's hood is often omitted.

Silk lining of various colors in the center of the hood indicates the college or university which conferred the degree. Consistent for all degrees is the cap, or mortar board, which has a tassel of black or another color indicating the field of learning. The tassel of the doctor's cap can be gold.

Academic Degrees

A degree is awarded for the successful completion of a course of study. There are more than 1,600 different academic degrees currently conferred by colleges and universities nationwide.

The first known degree was a doctorate bestowed by the University of Bologna, Italy, in the mid-12th century. Originally, the doctor's and master's degrees were used interchangeably, each indicating that the holder was qualified to instruct students. The bachelor's, or baccalaureate, degree only indicated entrance into a course of study preparatory to the doctorate or mastership. Gradually, though, the bachelor's degree came to mean successful completion of one level of study in advance of the higher degrees.

The Doctor's Degree

The term "doctor," meaning teacher or instructor, originated with the ancient Romans for those who lectured publicly on philosophical topics. During the Middle Ages, it was used as a title of honor for men of great learning. It was first made an academic title at the University of Bologna, which was allowed by the emperor to appoint *doctores legum* (doctors of laws). The University of Paris followed suit in the year 1145. Soon after, popes granted the universities the right to appoint *doctores canonum et decretalium* (teachers of the canon law) and, when the study of civil law was combined with that of the canon law, the title was changed to *doctor utriusque juris* (teacher of both laws). The faculties of theology and medicine followed that of law in conferring this title.

A doctorate is given beyond the baccalaureate degree and requires several years of advanced study, the successful completion of a thesis or dissertation, and written and oral examinations. The doctor's degree represents the most advanced earned degree conferred by American institutions. There are two distinct types: the practitioner's degree and the research degree. The first type represents advanced training for the practice of various professions, principally Doctor of Medicine, Doctor of Dental Surgery, Doctor of Veterinary Medicine, Juris Doctor and Doctor of Pharmacy. These degrees

carry no implication of original research. The University of Maryland awarded the first two dental degrees in history, on March 9, 1841, and invented the name of the degree, Doctor of Dental Surgery (D.D.S.).

The second type is a research doctorate representing prolonged periods of advanced study. A dissertation which usually accompanies the study is intended to contribute substantially to existing knowledge on the subject. The most important of these, the Doctor of Philosophy, no longer has an implication of philosophy for its holder, but represents advanced research in any of the major fields of knowledge. It was first awarded in the United States in 1861 by Yale University. The University of Maryland awarded a Ph.D. for the first time in 1920.

The Master's Degree

The master's degree is an academic honor bestowed upon students who have successfully completed work beyond the baccalaureate. A thesis and an oral examination are usually required. The word *magister* was used by the Romans as a title of honor, but its present meaning can be traced to the establishment of the oldest universities. Organized faculties as they now exist in universities were not known then; academic activity was limited to seven liberal arts. Those who were honored for their diligence and knowledge upon completion of their studies and who had already received the bachelor's degree were called *magistri artium* (masters of the liberal arts). In 1920, The University of Maryland awarded its first Master of Arts (M.A.) and Master of Science (M.S.) degrees in fields other than agriculture.

The Bachelor's Degree

The bachelor's degree represents completion of a four-year course of college-level study and is the oldest academic degree used by American institutions of higher learning. It was the first conferred in America in 1642 on the first nine graduates of Harvard College. Maryland Agriculture College, which later became The University of Maryland College Park, awarded its first Bachelor of Arts (B.A.) and Bachelor of Science (B.S.) degrees in 1862.

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and Occupational
Education.

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John E. Wakefield,
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Advancement.

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James M. Wallace,
Computer, Mathematics
and Physical Sciences.



Stephen A. Fenn

Dr. Lars V. Ahlfors

Honorary Doctor of Science

Dr. Lars V. Ahlfors, William Caspar Graustein Professor of Mathematics Emeritus at Harvard University, is among the world's most distinguished mathematicians.

In 1936, Dr. Ahlfors was one of the first two scholars to receive the prestigious Fields Medal for Mathematical Research. The awards, considered to be mathematics' equivalent of the Nobel Prize, are given every four years at the International Congress of Mathematicians. Only 29 other scholars have received the award which goes to mathematicians under 40 years of age who distinguish themselves with seminal research in their fields.

Throughout his career, Ahlfors has made valuable contributions in the studies of the theory of functions of a complex variable, Riemann surfaces and conformal mapping. He has published many papers on those

subjects and is the author of four books: *Complex Analysis* (1953), *Riemann Surfaces* (with Leo Sario, 1960), *Conformal Invariants* (1973) and *Collected Papers* (1982).

Ahlfors, 79, a naturalized citizen of the United States, was born in Helsingfors, Finland. He received his Ph.D. from the University of Helsingfors in 1930. In 1932, he was named Adjunct in Mathematics at the University of Helsingfors, where he remained until he was appointed Lecturer of Mathematics at Harvard University in 1935. Ahlfors returned to Finland in 1938 to serve as Professor of Mathematics at Helsingfors. Later, he spent a year at the University of Zurich before returning to Harvard in 1946, where soon he was appointed Professor of Mathematics.

At Harvard, Ahlfors served as chairman of the mathematics department from 1948 to 1950. In 1964, he was appointed William Casper Graustein Professor of Mathematics. He became Professor Emeritus in 1977.

Apart from the Fields Medal, Ahlfors has received many accolades. He has been granted honorary degrees from Boston College, the University of Zurich and the University of London. He has received the Wihuri International Prize in Science, the Wolf Prize for Mathematics and the Steele Prize of the American Mathematical Society.

Ahlfors is a member of many academic organizations including the National Academy of Sciences and the Swedish Royal Academy of Science, Societas Scientiarum Fennica, the Academia Scientiarum Fennica, the American Mathematics Society and the American Mathematics Association.

Today he is awarded the honorary degree of Doctor of Science.



Chancellor Ira Michael Heyman Honorary Doctor of Laws and Convocation Speaker

Ira Michael Heyman, chancellor of the University of California Berkeley, has led one of the nation's largest and most prestigious public universities for the last six years.

As chancellor at Berkeley, Heyman is the chief administrator of the oldest of nine schools in the California university system. Berkeley has an enrollment of approximately 31,000 students which includes 22,000 undergraduate and 9,000 graduate students. The school's annual budget is approximately \$600 million.

Heyman assumed his post in 1980, after 21 years with the university as a professor and an administrator. Upon taking office, he set a broad series of goals for his campus. Considerable progress has been made toward achieving these goals.

One of his primary goals was increasing the percentage of minority students at Berkeley. The percentage of those students has increased steadily over the past six years.

Another of Heyman's objectives was to increase the amount of private financial support Berkeley receives. The amount of money raised from private sources has increased from \$20 million in 1980 to \$56 million in 1986.

During the chancellor's tenure, Berkeley has added more than 50 endowed chairs, worked to improve undergraduate studies and life and started a program to renew campus facilities.

Heyman, 56, is a New York City native. He is a graduate of Dartmouth College (1951) and the Yale University Law School (1956).

In his early career as a lawyer, Heyman spent two years with a New York City law firm and worked as chief clerk for Supreme Court Chief Justice Earl Warren.

He joined the Berkeley faculty as a law professor in 1959. In 1966, he also became a professor of city and regional planning which corresponded with his emphasis on environmental law.

In 1974, Heyman was appointed vice chancellor of Berkeley, the senior administrative position below the chancellor of the university. As vice chancellor, one of his major responsibilities was formulating an affirmative action plan for the campus.

In addition to his university duties, the Berkeley chancellor is currently the chairman of the National Association of State Universities and Land-Grant Colleges.

Heyman is married to the former Therese Helen Thau. They have two children, Stephen and James.

Today he is awarded the honorary degree of Doctor of Laws.



Candidates for Degrees

AUGUST 1986

GRADUATE SCHOOL

Doctor of Philosophy

Marc Abrams

Computer Science:
*Performance of Distributed
Computer Programs.*

Moafak Mahmood Ahmad

Poultry Science: *Effect of
Antioxidants on Aflatoxigenic
Molds.*

Ruqia Bibi Ahmed-Schofield

Chemistry: *Sequential
Electron Transfer-Desilylation
Methods for Diradical
Photogeneration as Part of
Synthetic Routes for
Erythrina Alkaloid Synthesis.*

Virginia D. Ahrens

Textiles and Consumer
Economics: *Investigation of
the Mechanism of Carrier-
Assisted Dyeing of Polyester
Fibers.*

Kazuhiro Akimoto

Physics: *EM Radiation by
Strong Langmuir Turbulence.*

Muniswamappa Anjanappa

Mechanical Engineering:
*Error Minimization in
Machining.*

Rose-Marie Avin

Economics: *Windfall Gains
and Oil-Exporting Developing
Countries: A Comparative
Analysis.*

Janet Elaine Baldwin

Measurement, Statistics and
Evaluation: *Factor Structure
Invariance of a Cognitive
Measure Over Grouping
Variables and Replications.*

Gary Eben Ballmann

Education Policy, Planning
and Administration:
*Perceptions of State and
Institutional Officials with
Regard to State Actions
Relating to Transfer Between
Public Community Colleges
and Universities in Maryland
and Virginia.*

Norman Charles Bartelt

Physics: *Numerical Studies
of Two-Dimensional Lattice
Gases Relevant to the Study
of Phase Transitions of
Chemisorption Systems.*

Steven Russell Bauer

Biochemistry: *C-myc Gene
Transcriptional Activation
and mRNA Half-Life
Prolongation in Two Mouse
Plasma Cytomas.*

William Alexander Beck

Physics: *Study of Electron
Accumulation Layers on (Hg,
Cd)Te Using Surface
Potential-Modulated
Shubnikov-de Haas
Measurements; and
Determination of Electrical
Transport Properties Using a
Noval Low Magnetic Field
Hall Technique.*

Leandra Anne Bedini

Recreation: *An Analysis of
the Leisure Facilitation
Process.*

Dikka Marie S. Berven

French Language and
Literature: *Vision in the
Essais of Michel de
Montaigne.*

Roger Philippe Biraben

Human Development:
*Parenting Attitudes of
Fathers Who Are Adult
Children of Alcoholics.*

Kevin Gerald Bowcutt

Aerospace Engineering:
*Optimized Hypersonic
Waveriders Including Viscous
and Leading Edge Bluntness
Effects.*

Melanie Atkins Brown

Business Education: *A
Comparison of Two
Competency-Based Methods
of Teaching Word-Processing
Principles and Concepts.*

Linda Lee Caldwell

Recreation: *An Examination
of the Tradeoffs Made by
Saltwater Fishermen When
Deciding Where to Go
Fishing.*

Janson Chiousong Chang

Marine-Estuarine-
Environmental Sciences:
*Project Analysis and
Environmental Pollution
Control for the Expansion
Project of the Shanghai
Aluminum Plant.*

Suckjeong Chang

Business and Management:
*The Behavior of Security
Prices in Response to
Earnings and Dividend
Announcements:
Examination of
Corroboration Effect and
Estimation of Adjustment
Speed.*

Gary D. Chenoweth

Curriculum and Instruction:
*The Preliminary Scholastic
Aptitude Test: An
Investigation of Verbal
Performance Among
Students at a Select
Metropolitan High School.*

Amelia Annette Chesney

Business and Management:
*An Examination of the
Relationship Among Goals,
Strategies, and Performance:
A Simulation Study.*

Serap Nilgun Comezoglu

Chemistry: *Isolation and
Characterization of
Trichothecenes from
Baccharis megapotamica -
Chemical Modifications of
Baccharinoid B5.*

Demoi Smith Crawford

Agricultural Education:
*Legislation and Agricultural
Education: The Impact of the
Vocational Education Act of
1963 on Agricultural
Education in Public Schools
of the United States.*

Susan Mary Cunningham

Sociology: *Shift Work
Patterns Among Youth: A
Longitudinal Study.*

Evan Gaines DeRenzo

Human Development: *The
Effects of Age, Educational
Level, Health Status, Social
Support, and Personality
Traits on the Well-Being of
Wives of Retired Military
Officers.*

Hareesh Mitrachandra
Dhawale

Economics: *Adjustment to
Costs, Implicit Contracts and
Specific Human Capital.*

Andrew Lynn Dull

Aerospace Engineering:
*Aeroelastic Stability Analysis
of Bearingless Rotors in
Forward Flight.*

- Ko-Hui Michael Fan
Electrical Engineering:
*Optimization-Based
Computer-Aided Design of
Robust Linear Control
System with Structured
Uncertainties.*
- Marta Pearl Fishman
Applied Developmental
Psychology: *A New Look at
Time Estimation: A Model,
Some Parameters, and Its
Relationship to Planning.*
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Psychology: *Curvilinearity:
An Alternative Model of Life
Change.*
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Near the Cores of Extensive
Air Showers.*
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*An Exploratory Investigation
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HRM Practices and Top
Managers' Strategic
Readiness and Commitment.*
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Physics: *Relativistic
Momentum-Space Equations
with Applications to Atomic
and Elementary Particle
Physics.*
- Brian Timothy Healy
Human Development: *An
Analysis of the Genetic,
Physiological, and Behavioral
Correlates of Temperament
in Young Children.*
- Liam Michael Healy
Physics: *Lie Algebraic
Treatment of Machine Errors
in Particle Accelerator
Design.*
- Brian Allen Hollander
Zoology: *Pattern and
Regulation of Gap Junctions
in Insect Imaginal Tissue.*
- Terrence James Honan
Physics: *The Geometry of
Lattice Field Theory.*
- Allen Seymour Hope
Geography: *Parameterization
of Surface Moisture
Availability for
Evapotranspiration Using
Combined Remotely Sensed
Spectral Reflectance and
Thermal Observations.*
- Gary Richard Irby
Curriculum and Instruction:
*Creativity Will Begin at 3:14
this Afternoon: An
Examination of the
Correspondence Between
Student Creative Thinking,
Student Concepts of Their
Own Creativity, Student
Type, and Instructor
Observation of Student
Characteristics.*
- Cheeha Kim
Computer Science: *Transient
Virtual Waiting Time on an
Erlangian Single Server
Queueing System and Its
Application.*
- Daniel Kolak
Philosophy: *A One-Person
Theory of Personal Identity.*
- Geok Koon Kuah
Civil Engineering: *Designing
of Feeder Bus System
Serving Existing Rail Transit
System.*
- Theodore Nicholas LaRosa
Astronomy: *On the
Propagation of an Electron
Beam Through the Solar
Corona.*
- Shirley Little
Education Policy, Planning,
and Administration:
*Perceptions of Community
College Liberal Arts Faculty
About Cooperative
Education: Implications for
Cooperative Education
Directors.*
- Salah Mohamed Mahmoud
Agronomy: *Effect of
Soybean Root Exudates on
Rhizobia.*
- Andrew Gerard Malizio
Measurement, Statistics and
Evaluation: *Effects of Item
Feedback and Format on
Achievement, Confidence,
Perceived Difficulty and
Response Latency Using
Microcomputer-Assisted
Testing Procedure.*
- Mahmoud Massoud
Nuclear Engineering: *An
Experimental and Analytical
Thermal-Hydraulics Analysis
of a Model PWR Transients.*
- Prosenjit Mazumdar
Physics: *Magnetic Phases in
Amorphous Alloys.*
- Martin Gary Minter
Recreation: *A Comparative
Study of the Causal
Attributions of Deaf and
Hearing Students Following
Outcome on a Motor
Performance Task.*
- Michael John Monsour
Mathematical Statistics:
*Optimality and Other
Asymptotic Properties of the
Maximum Likelihood
Estimator in the First Order
Autoregressive Process.*
- Patricia Hobson Moritz
Education Policy, Planning,
and Administration:
*Interorganizational
Collaboration in Multihospital
Systems: An Analysis Using
the Intriligator
Interorganizational
Relationship (IOR) Model.*
- Margery Fels Palmer
Curriculum and Instruction:
*Student Teachers as Aides
for Middle School
Mathematics: An Exploration
of Possibilities.*
- Larry C. Rampp
Education Policy, Planning,
and Administration: *An
Administrative Analysis of
the Department of
Education.*
- Jose N. Reyes, Jr.
Nuclear Engineering: *A
Study of Nonequilibrium
Dispersed Two Phase Flow.*
- Hamid Saadatmanesh
Civil Engineering: *Analytical
and Experimental Study of
Prestressed Composite Steel-
Concrete Beams.*
- Cynthia Julia Saltzman
Economics: *A Financial
Model for Less Developed
Countries.*
- Morna Conway Schmick
Education Policy, Planning,
and Administration: *An
Exploratory Study of
Environmental, Relational,
Procedural, and Structural
Characteristics of a Mature
Inter-Organizational
Relationship (IOR).*

Margaret Bowman Schwartz
Zoology: *Ovarian Ecdysteroid Production in Drosophila melanogaster: Effects of Nutrition, Juvenile Hormone and Genotype.*

Clifford Alan Shaffer
Computer Science: *Relaxing Decomposition Restrictions of Quadrees and Techniques for Improving Linear Quadtree Algorithms.*

Paul Shepherd
Human Development: *Rural Elder Value Systems: Implication for Public Policy.*

Youngsook Shin
Textiles and Consumer Economics: *Polymerization-Crosslinking of Cotton Fabrics for Superior Textile Performance.*

Anita Singh
Food, Nutrition and Institution Administration: *Relationship Between Zinc, Copper and Iron Status and Amenorrhea in Exercising and Sedentary Women.*

Jayanta Kumar Sircar
Civil Engineering: *A Framework for Spatially Distributed Hydrologic Modeling.*

Darlene Brannigan Smith
Business and Management: *An Empirical Examination of the Economics of Information.*

Eric Lynden Smith
Psychology: *The Effects of d-amphetamine Upon Differing Rates of Pigeons' Keypecking in the Absence of Differential Response Pattern or Reinforcement Frequency.*

Mary Jennifer Smyth
Zoology: *Interactions Among Bioeroding Organisms, Gastropod Shells, and Coralline Algae.*

Mark Douglas Somers
Physics: *An Investigation of the Strong Equivalence Principle Through the Use of Freely Falling Geocentric Coordinates.*

Christopher Rhodes Stephens
Physics: *Dynamical Finite Temperature Effects in Field Theory.*

Frances Gill Sussman
Economics: *The Role of the Family in Valuation of Risks to Life.*

Anasuya N. Swamy
Curriculum and Instruction: *An Analysis of Students' Conceptions of Pressure-Related Gas Behavior.*

Anne Louise Swisher
Recreation: *The Efficacy of Multiple Attitude Change Theories Measured by In-Service Training and Continuing Education in Therapeutic Recreation.*

Audrey Suzanne Theis
Education Policy, Planning, and Administration: *Interorganizational Coordination as a Policy Implementation Strategy: Determinants of Employment and Training/Community College Linkages in Maryland Under the Job Training Partnership Act.*

June Louise Tveekrem
Chemical Physics: *Dielectric Measurements on a Near-Critical Binary Fluid Mixture.*

Catherine Ukachi Uzoma
Health Education: *Relationship Between Adult Black Diabetic Patients' Perceptions and Compliance with Medical Regimen (Insulin).*

Satyendra K. Verma
Economics: *Productivity and Organization in India.*

Trudy Anne Vincent
Psychology: *The Relationship of Classroom Environment and Structure to Peer Interaction.*

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Zoology: *Calcium Regulation in the Frog Peripheral Nerve by the Blood-Nerve Barrier.*

Kathryn Kostin Weston
Counseling and Personnel Services: *Development of an Instrument to Assess Teachers' Knowledge of Behavioral Principles.*

Jin Yoo
Physical Education: *The Effects of Cognitive/Somatic Anxiety on the Attentional Processes: A Test of Easterbrook's Cue-Utilization Hypothesis.*

David William Zang
Physical Education: *Winning and Losing in the Vietnam Era: Redefining Athletic Excellence at the University of Pennsylvania.*

Doctor of Education

Frank Joseph Hager
Curriculum and Instruction: *The Effect of Item Location on Student Written Response on Faculty Evaluation Forms.*

Brenda Hurbanis
Education Policy, Planning, and Administration: *The School Climate Survey.*

Master of Arts

American Studies:

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Applied Mathematics:

Philip Chukwurah
Emeagwali
Michael James Lijewski

Art:

Pamela Diane King

Communication Arts and Theatre:

Lewis Dean Adams
Lucius L. DeAngelo
Joan Karen Schreier

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Jayne Mead Gresch
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Marie Terese Sergent

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Shahid Hamid
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Sherry Jean Wetchler

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French Language and Literature:

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Sana Abed Kotob

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Tandi Vettel

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Matthew Curtis McCutcheon

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Ira Andrew Abramowitz
Harumi Kobayashi
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Judith Ann Gambill
Anne Marie Herink

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Christine Smith Cox
Jacquelyn Scarville

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Graciela Uequin

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Andrew Seth Elliott
Yong Hyup Kim
Stephen King Mouritsen
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Mark Winfield Scott
John Gerald Vorwald

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Collin Roy Burrell

Agricultural and Resource Economics:

Rodney B. W. Smith

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Djime Djibrine Adoum
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Peter Wertheimer Benedetto
Kathryn Claire Haering
James Frank Holderbaum
Brian Karl Kinkle
John Thomas Russell
Arthur Davenport Wall III
Faye Mills Wilhite

Animal Sciences:

Nathan Gideon Birnbaum

Biochemistry:

Mary Diana Stemple Strem

Botany:

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Klaus Hermann Kaestner

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Roberto Jose Samson
Kevin Joseph Smith

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Homonnay-Preyer
John Martin Kindervater
Richard H. McBride
Jeff Stanley Morrill

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Shelley McNab Burg
Chaoyi Chia
Chen-Ping Ku
Jiayang Liu
Abbas Motamedi
Hossein Shahrezaei Rahimi
Chin-Ming Tsai
Roy Gill White
Stanley Everett Wildesen
Zohreh Yousefi

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Shu-Jen Hsiao Chang
Hsin Huei Fang
Shang-Hsiu Sue Hsiung
Debabrata Patnaik
Joseph Francis Reisel
Jeffrey Henry Straathof
Krishnan Subramanian

Electrical Engineering:

Chaitali Chakrabarti
Pau-Chen Cheng
Christopher Joseph Clark
Richard Paul Fischer

Hung Wang Goh
Levent Gün
William Wei Hu
Sheejarng Hwong
Sung Shin Kang
Anil K. Kapoor
Chun Chieh Kung
Shyh-Wei Luan
Jerome G. Schaefer
Eng Ho Soo
Gerard Nordeen Stenbakken
Wayne S. Thayer
Vinay A. Vaishampayan
Luiz Antonio Vitoria
Joseph Anthony Zott

**Family and Community
Development:**

Pilar Medina de López
Patricia Hawkins
Patricia Lutz Roland

Food Science:

Cecil Ellen La Grenade
Youn Hee Yoo

**Food, Nutrition, and
Institution Administration:**

Holly Berry Irving
Celia López Martin

Marine:

Lorie Winchell Staver

Mechanical Engineering:

John Roland Berger
David A. Frommer
Sanjay S. Gupta
Saurabh Dhansukhlal Mehta
Kirk K. Rhee
Katherine Marsh Ruben

Meteorology:

Peter Rath Ahnert
Christopher Alan Burr
Jennifer Layne Looper
Andrew Mark Vogelmann
Jung Moon Yoo

Microbiology:

Stephen Thomas Gregoire
Marcia Lynn Hyde

Nutritional Sciences:

Joan Given Proctor
John David Putney

Physics:

Clayton Roy Chinn
Mark Daniel Matlin
Stephen Charles O'Day
Neil Andrew Ottenstein
Yi Pang
John Anthony Paquette

Textiles and Consumer

Economics:

Shu-Hwa Hwang
Bernadette Jane Kovacic

Zoology:

Suzanne Martel Pitts
Timothy J. Schoen

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**Counseling and Personnel
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Teri Ann Emis
Kay Louise McGuire
April Lynn Vari

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Elizabeth Jo Benson
Stephanie Scanlan Brown
Sheryl Kaye Burke
Lynne Susan Harding
Barbara Diane Macri
Gail Markowitz
Sharon Lee Pimsler
JoAnn W. Price
Johanna Zmud Provenzano
John Anthony Randell
Dale Grimes Schirra
Karen Wells

**Education Policy, Planning,
and Administration:**

Jean M. Copeland
Pamela Christine Jones
Michael John Stratford
Latham

Ruth Ann Markulis
Gloria Elnora Parker

Human Development:

Lucy Barwell Bernstein
Shirley Jean Rogers

**Industrial, Technological and
Occupational Education:**

Irene Mathews Bournazou
Nicholas Lazaris

Special Education:

Connie Lynn Fouchard
Beth E. Matcham-Shepherd
Mary Ellen Sousa

Master of Business Administration

Business and Management:

Thomas Townsend Amlie
Elaine Virginia Berg
Richard Landreth Boales
David Julian Borsos
Wen-Lei Chen
James Thomas Clifford
Andrew Michael Dagen
Nancy Louise Dydak
Linda Beth Fitzgerald
Prabhat Garg
Carol Susan Gilbert
Scott Mitchell Greenhaus
John Patrick Halpin
Lin Hou
Edward Lawrence Levy
Timothy David Lewis
Ling-I Liu
Jordan Eymard Luhr
Gary Michael McQuarrie
Keith Richard Pauley
Vipul Chandra Prakash
Brian Joseph Quinlan
Alice McElfresh Recknagel
James Edmund Robertshaw
Hedy Jean Ross
Margaret Joan Ross
Russell Bruce Scholl
Oliver Schueftan
David Aloysius Schule
Wayne Alan Shore
Amy Ruth Spiegel

N. Steven Stavrou
William Bryan Stroube, Jr.
Carole S. Sutter
Daniel Christopher Thomas
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Music:

Julia Ann Larson
Kimble Louis Rose

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Services:**

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Anthony Paul Amabile
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Saroj Kumari Bhatia
Elizabeth Arapis Brencher
Holly L. Buchanan
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EUROPE

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Thomas Allen Bowermeister

TOKYO

Master of Education

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Erma J. Gupton
Ardis Vale Crossman
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Cheryl L. Shirley
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John Zemlin

GRADUATE CERTIFICATES IN GERONTOLOGY

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Patricia Hawkins
Anne Long Morris
Charles W. Trawick
Doctoral Level:
Patrick Thomas Harnett

Master of Applied Anthropology

Anthropology:
Lysbeth Burcham Acuff

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Paula Canelos Morris
Robert Manuel Rodriguez

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Mary Elizabeth Carroll
Hoan Minh Tu

College of Agriculture

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Agronomy-Crop Science:

William David Amoss

Animal Sciences:

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Combined Agriculture-Veterinary Science:

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P. Christine Gaiser
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Jacqueline Sheryl Kraus
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Marshall Poe Fitzgerald
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Music (Liberal Arts Program):

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College of Behavioral and Social Sciences

Bachelor of Arts

Afro-American Studies:

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Anthropology:

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John Alfred Friel

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Laurel Alice Lovett

James Christopher

Matthews

David Perry Meyers

Mark Rowan Miller

Suzanne Marie Milroy

Paul Thomas Moore

Wizie Prakash

Pamela Marie Rachal

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Craig Steven Wilson

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Joseph Gerard Baldwin

* Kathryn Susan Berthot

Caroline Drew Campbell

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Jeanine Casey

Keith K. Cheung

Patrick Oliver Collins

Brett Richard Diamond

John Gray Donnelly

Thomas Clark Eagan

Gretchen Ewers

John Francomacaro

Stephen Joseph Freitag

Neil Brentlee Gambill

Christopher Lee Gibbs

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Eric John Norman

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Tammy Lynn Lawson

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Eric Wayne Simenauer

Gene Peter Spiegelman

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Laverne Angela Johnson

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Jeffrey Scott Force

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Jayne Jo Ross

Jiu Leslie Schechter

Ariel Jay Segal

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Rachel Chaya Tadmor

Christopher Charles

Vaughan

Corliss Yolanda Walker

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Scott Duane Andersen

Erica Gardner Barbee

Saowalee Coyle

* Joy Celeste Gordon

Doreen Deschamp Messer

Karen Kaye Venable

Diana Maria Waddle

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Jeffery J. Pollak

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Josephine S. Hung

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C. James Morrissey
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James Reed Burnett, Jr.
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Jaleh Zahra Eslami
Ronald Dean Jeffreys
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College of Business and Management

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Bernard Bethke
Leslie Regina Bilbro
Michelle Brasure
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Michele Ann Edmondson
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Timothy Matthew Hogan
Steven Jay Isaac
Ronald Tobin Kouzel
Cary Ira Loeser
James Paul Martinko
Betty Christine Miller
Randy Mark Mordes
Julie Ann Nelson
† Cynthia Anne Pehl
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John Brander Pettway
Henry Robert Potter
Mark Richard Rados
Walter J. Rine

James Carl Rodante
Margaret E. Schmelz
Karen Sue Schneider
* David Andrew Scordy
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Victor Nathan Arthur Swint
David Traficanti
Priscilla S. Wells

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Anthony John Atmonavage
Tamara Ellen Bader
Cathleen Brady
Joseph James Burns, Jr.
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Gerald Steven Casey
Christina Eunha Choe
Charles Franklin Converse III
Daniel Leo Cox
Jennifer Lynne Donecker
Susan Craig-Lynn Elliott
Mark Hamilton Frieman
Lawrence Gemmell
Michael Adam Gomolisky
(2nd Major: Economics)
Kirk Ellis Herbst
Frank Rodney Hoffman, Jr.
Gillian Andrew Hope
Mark Alan Hourihan
Paul D. Kin
Jill Levine
Charles William Lichtmann
Robert Scott Logan
Lucia Maria Lulli
Ira Jay Miller
Stephen Alexander Miller III
Robert David Minlionica
Sandra Lee Mitchell
Jimmy Lee Moore
Gordon Lee Myers
Stacy Lynn Needle
William Joseph Potter
Ezzedine Abdul Razak
Nancye Adelaide Schap
Eric Isadore Smookler
Kevin Robert Swawite
James Brian Thomas
Steven David Tish

Sandra Lynn Warren
Kevin Edward Williams
Susan Ellen Wise

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Richard S. Botwinick
Thomas Lee Bowen
Sharon Jill Boyd
Harold Edward Detwiler
Marlene Embrey
Babette Helen Fisher
Gregg Lawrence Gottsegen
Kelly Ann Ickes
Marjorie Jean Lewis
* Paul Otto Marstaller, Jr.
Todd Thurston Mayo
Karen Maria Pfeiffer
Linda Carol Riffe
Sharon Ann Schwartz
Perry Lee Spies
Colleen G. Thompson
Margo Louise Vann

Management Science and Statistics:

María Victoria Carballo
Jee-Ho Loh
(2nd Major: Transportation)
Shira Michelle Low
Jimmy R. Migneault
Stephen Alexander Miller III
Vijayalaxmi Pemmarazu
Ezzedine Abdul Razak

Marketing:

Judy Shira Abramowitz
(2nd Major: Sociology)
John Francis Bello, Jr.
Charles Franklin Brady, Jr.
Nancy Ellen Brown
Corinn Wanda Cheney
Steven David Clements
Stephanie Joy Cohen
Gregory Scott Collins
Ivonne Camille Cunarro
Gail Catherine d'Agostino
Stella Marie Donovan
Amanda S. Gayle
Eileen Marie Harmon
Janet Sharon Horne

Gregg Michael Indovina
Melissa Ann Jones
Adrienne Jules
Duane Lance Lamar
Beverly M. Lambie
John Dewitt Lisle
(2nd Major: Transportation)

* Paul Otto Marstaller, Jr.
Daniel Stoddart Meck III
Clayton Hayes Newman
Steven Anthony Noyes
(2nd Major: General Business)
Karen Lynne Oetker
Christopher Scott Payne
Bruce Lawrence Roberts
Karen Sauer
Timothy Philip Snyder
John Edward Talbot
Pamela Sue Vinik
Sara Lee Vorpahl
Sharon Lynne Wells
Robert Allan Wood
Cynthia Anne Zur Nedden

Personnel and Labor Relations:

Anthony Craig Hampton
Denise Mary McDonough
(2nd Major: Sociology)
Carlo Alfred Montemayor
Karen Lea Primm

Production Management:

Philip Caplan
Transportation:
Ivan Michael Cohen
Stuart Howard Gottlieb
(2nd Major: Finance)
Craig Alan Siegel

College of Computer, Mathematical and Physical Sciences

Bachelor of Science

Computer Science:
Amrita Ahluwalia
Hector Luis Alicea

Maria Eugenia Campos
 James Marshall Casey
 Kent Thomas Crotty
 Michael Trieu Ba Do
 Timothy James Dunne
 † Daryl Eugene Eicher, Jr.
 Sharon LáMour Eskridge
 David Bernard Fabiszak
 John Quentin Gilbert
 Marcos Jose Goldchain
 * Lise Michelle Greenberg
 Justin Hahn
 Whitney Anne Harvey
 Lynn Nguyen Hoang
 Daniel Pappan John
 Shawn Hyonmi Kim
 Barbara Jean Lake
 Charles Michael La Motta
 John Liney
 Jerome Mortman
 Maung Htay Myint
 Mai-Phuong Xuan Nguyen
 * Van Thanh Nguyen
 Jae M. Pak
 Nancy H. Park
 Julia Ann Party
 Huong Thi Phan
 Thomas William Potthast
 Robert Walker Prentiss, Jr.
 Eileen Patricia Stewart
 Sandra Dee Stewart
 Christopher James Thorpe
 Margaret Elizabeth Tremain
 De Quang Vo
 Tet-Sin Yong
 Rochelle Ann Zilist

Geology:

Emad Mekheal Awadalla
 Dana Maurice D'Aria
 Deborah Jane Knox
 Jennifer L. Thomas
 * Melisa Elayne Walter

Mathematics:

Todd Gregory Baker
 Benjamin Edward Foy
 * Lise Michelle Greenberg
 Peter Thomas Haley
 Lawrence Bruce Hodges
 Gary Randall Litofsky

Physical Sciences:

Richard Draper Hitchens

Physics:

Fermin Aldabe
 Todd Stanley Aven
 Scott Roger Douglass
 (2nd Major: Astronomy)

College of Education

Bachelor of Arts

Art Education:

Majorie Ellen Brecker

English Education:

Jeffrey Daniel Leone
 Regina Ann McCoy
 Thomas Edward McHugh
 Vivia Leleith Mighty

Foreign Language Education:

Karen Elizabeth Lorenz
 Robert Allen Roos

Social Studies Education:

Lauri Ann Gerber
 Brent Tower McCallum

Speech Education:

Curtis Wayne Somers

Bachelor of Science

Art Education:

Denise Richardson

Early Childhood Education:

Elizabeth Louise Hardy

Elementary Education:

David Samuel Adelman
 Marcia Rosalie Green
 Anne Lucille Haas
 Cynthia Jo Luhman
 Stacey Leah Mitchell
 Renee Julie Pintzuk
 Elyse Renée Porambo
 Stevie D. Prather
 Lynn E. Rome
 Christine Urka
 Amy Lynn Zuskin

General Business Education:

Marie Darcey Warner

Industrial Technology Education:

Leonardo Antonio Arce Nufio
 James Edward Buckeridge
 Compton Edward Douglas
 Paul Anthony Fagiolo
 Jeffrey Scott Leatherwood
 David Frederick Link
 Ronald Glenn Mathews
 Dale Morgan Osterndorf
 David Edward Puhl
 Mark Joseph Reeves
 Gregory Bryson Ruff
 Robert L. Swaim

Library Science Education:

Michael-Anne House Lowry

Mathematics Education:

William John Calderhead
 Cecilia Montes Martinez
 Kenneth Herman Procell
 Clare Ann Sazama

Science Education:

Andrea Teresa Bennett
 Timothy Douglas Pruett

Social Studies Education:

David Neil Binn
 * James Joseph Campbell
 Virginia Lee Cooper
 Mark Bennett Faust
 Beverly Anne Meador
 Sharon Dianne Pietsch
 Susan Nicole Silverberg

Special Education:

Ann Elizabeth Ritter

Vocational Technical Education:

Thomas Jeffery Bennett

College of Engineering

Bachelor of Science in Aerospace Engineering

Daniel Matthew Bergbauer, Jr.
 Abraham Ramón Chaves

John Edward Greco
 Stephanie Susan Green
 Angelo Charles Guarino
 Joseph Mark Guthrie
 Jeffrey Scott Heron
 Evan Richard Holman Smith
 Joseph Michael Stopper
 Chih Wei Yeh

Bachelor of Science in Chemical Engineering

Huy Viet Huynh
 Pamela Lynn Miller
 Gilbert Glenn Olsen II
 Dominik Thomas Uznanski
 Evelyn Ruth Washington

Bachelor of Science in Civil Engineering

Gita Amiri
 Rodney Allen Brown
 Okju Cha
 John William Collins

Bachelor of Science in Electrical Engineering

Guy Robert Allen
 Kenneth Bruce Baicar
 André Jacques Barbeau
 Arnold Pope Burr
 * Douglas Llewellyn Butler
 Craig Robert Capiello
 Dennis Kwang-Hsuan Chang
 Wayne David Darney
 Eric James Ewing
 Lawrence Guy Fess
 Michael William Fitzmaurice, Jr.
 Martin Jay Geesaman
 David Bruce Gorman
 Michelle Marie Goussy
 Mark Newman Huddleston
 Max David Jacobs
 David Wilson James
 Eric Scott Johnson
 Timothy Michael Johnson
 James Michael La
 Larry Lau
 Catherine Ann Long

Chi Hung Lu
 Ben Yun-Kwai Lui
 James Steven Montanaro
 Robert Glenn Moreland
 Hai Phuoc Nguyen
 Hien Duc Nguyen
 Tien Phuoc Nguyen
 † Tuong Phuoc Nguyen
 Sokratis Papageorgiou
 Yagyensh Chandra Pati
 John Paul Perkins
 Ly Minh Phan
 Steven Joseph Piluk
 Howard Craig Posner
 Jay Michael Renbaum
 John Vea Speer
 James Martin Stewart
 Florence W. M. Tan
 † Richard Martin Thompson
 David Cary Tolbert
 George Tragas
 Quang Tuan Truong
 Darrell Wilson
 Diane Snowden Word
 Bruce Foster Zink

**Bachelor of Science in
 Fire Protection
 Engineering**

Gerald Merritt Bell, Jr.
 Karen Ann Kretschmann

**Bachelor of Science in
 Mechanical Engineering**

Kevin Dale Burnley
 William Douglas Butz
 Albany Charles Chester, Jr.
 Brenda Green Code
 Sheryar Durrani
 Leonard Gerard Famiglietti
 Rufus McKinley Gant III
 Kathryn Ann Goetz
 Gail Ann Heim
 William Martin Hertel III
 James Carlton Hoffman
 Lawrence A. Howe
 Samuel Thomas Hughes
 Kristin Margaret Larsen
 Michael Derrick Linton
 William Preston Ljungquist

Mohamad Reza
 Lotfalikhan-Zand
 Esther Jean Mahanes
 George Salim Malouf
 Richard Stuart Margolis
 † Eric Joseph Oberson
 Reynaldo José Quintana
 † Bonnie Bernstein Rich
 * Stacy Linda Rosenberg
 Rebecca S. Soland
 Matthew Bernard Stewart
 Kathy Leigh Strickler
 Meng Teck Tan

Bachelor of Science

Undesignated Major:

Michael Alan Cox
 Ellen Ramona Thomas

**College of
 Human Ecology**

Bachelor of Science

Apparel Design:
 Pascale Marguerite Lemaire

Dietetics:
 Maia Marie Baudelaire
 Laura Elizabeth Benarick
 Emily Wing-Yu Chan
 Cheryl L. Gilbert
 Ruth Gwynne
 Susan Mary Hunt
 Susan Denise Schultz
 Deborah Jean Wolcott

Family Studies:
 Jennifer Reneé Ben
 † Joye Marie Fenerty
 Paula Renee Liano
 Laura Ann Olcott
 Michelle Francesca Oleksak
 Doris Jo Osborne
 Dana Leigh Slyh

**Management and Consumer
 Studies:**

Kristin Maria Cornwell
 Rhonda Nelson
 Gregory Alan Sopp
 Rodell Liwanag Villamor

**Textile Marketing/Fashion
 Merchandising:**

Carol Anne Anderson
 Rhonda Lynne Haines
 Lynn D. Hirshman
 Kim Johnson
 Constance Marie Kight
 Kelle Lynn Palmer
 Laura Wnorowski

College of Journalism

Bachelor of Science

Andrew Clark Arnold
 Adam Todd Cohen
 Karen Susan Cohen
 Kelley Margaret Colihan
 Mary H. Curran
 * Carolyn Rose DeBona
 Sue Ellen Feder
 Holly Lynn Graves
 Felicia Martese Hall
 Christopher J. Harmon
 Natalie Carole Herzberg
 * Dana Ann Horning
 David Evans Lewis
 Lesley H. Mabrey
 Erin Elizabeth McCoy
 Mark Donald McGee
 Andrew Edward Monaco
 Lisa Ellen Ozio
 Scott Michael Sherwood
 Karen Lynn Shinskie
 Randi Hope Sinel
 Sandra Jean Svoboda
 Debra Sue Trolman
 Elizabeth Weaver
 Gregory Leon Wright
 * Lynn Michelle Yosick

College of Life Sciences

Bachelor of Science

Biochemistry:

Stephen Anthony Bouchard
 Jaleh Zahra Eslami
 Michael Steven Lemar
 Maureen O'Donnell
 Olga Marta Roviralta
 Babak Parvaneh Tehrani

General Biological Sciences:

Tara Michele Ford
 Viviana Pilar Fuster
 Freeda Emilie Isaac
 Richard Brian Sexton
 Gail Annette Warren
 Duane R. Western

Botany:

Thomas More Heutte

Chemistry:

David Richard Joy
 Basem Fayez Khawaja
 Ricardo Daniel Ramos

Microbiology:

Valerie Kristine Anderson
 Delores Jeanette Dobson
 Debra L. Farling
 Dagmar Danielle
 Hendrickson
 Grace Ingegneri
 Jeffrey Morris Jacobus
 Audrey T. Louie
 Stephen Lawrence Parker
 Hiam Salim
 Fouad Salim Sayegh
 Gregory Carl Thornwall
 Sangeeta Vohra

Zoology:

David Lee Adler
 * Willie June Brickey
 Richard Paul Campbell
 Richard Knorr Esherick
 † Avrim Brett Fishkind
 Jeffrey Alan Molloy
 Floyd Irvine Sandlin III
 David Robert Sears
 Lorie L. Thomas

College of Physical Education, Recreation and Health

Bachelor of Science

Health Education:

Pamela Ann Northrop

Kinesiological Sciences:

Leslie Anderson, Jr.

Jude Anne Brown

Mitchell Shawn Frid

* Denise Jaynes

Linda Lee Rathfelder

Colleen Marie Reilly

Tony Orrin Temerario

Physical Education:

Jay Atlee Allen

Robert Stephen Betz

Terri Sue Carroll

Recreation:

Cheryl Elaine Brown

† Lisa Catherine Colletti

Janette Dawn Cummins

Deborah Lynn D'Andrea

Cheryl Lynn Fuller

Philip Edwin Nibali

Patricia Lynn Sullivan

Undergraduate Studies

Bachelor of General Studies

Michael Joseph Berger

Christopher John Bierwagen

Lynn Robin Bookman

David Keith Catrett

Stacy Fran Chanin

Thomas Allen Clark, Jr.

Teresa Marie Creegan

Jennifer Anne Davis

Brian Woodruff Dawson

Dennis John Doherty

Kevin Paul Donas

Lynn Patrice Durbin

Frederic Paul Felperin

Hollis Lucretia Gentry

Susan L. Goldstein
Fredric David Greenspan
* Thomas Grainger Guthrie
Alec E. Harper

Uta Dittbrenner Hobbes

Haydee Irizarry

Michael David Jabick

Cheryl Doreen Jackson

Steven William Kahler

Christopher Knight

Haejoo Judy Lee

Derek Lamart Lloyd

Rocco Thomas Maiorano,

Jr.

Delbert Earl Melvin

Wendy Barri Meyers

Peter John Michela

Stacie René Morton

Michael Fergus Brian

Norton

David Michael Reisman

Randolph Phillip Richardson

Laura Louise Robinson

Douglas William Roper

Jeffrey Boyd Russell

Marlene Joy Sadowsky

† Kimberly Jean Schultz

Sabrina Ann Schwartz

Frederick Thomas Smith

Elizabeth Ann Sohn

Andrew Frank Soskin

Mark Scott Stogo

Dara Lynn Summers

Tracy Ann Summers

Laurel Jeanne Thompson

William Carlyle Turner

Andrew Evans Vaughan

Kellett Hugh Welch

John Matthew Welsh

Mary W. Wetmore

Caroline Leigh Woods

Song Su Yi

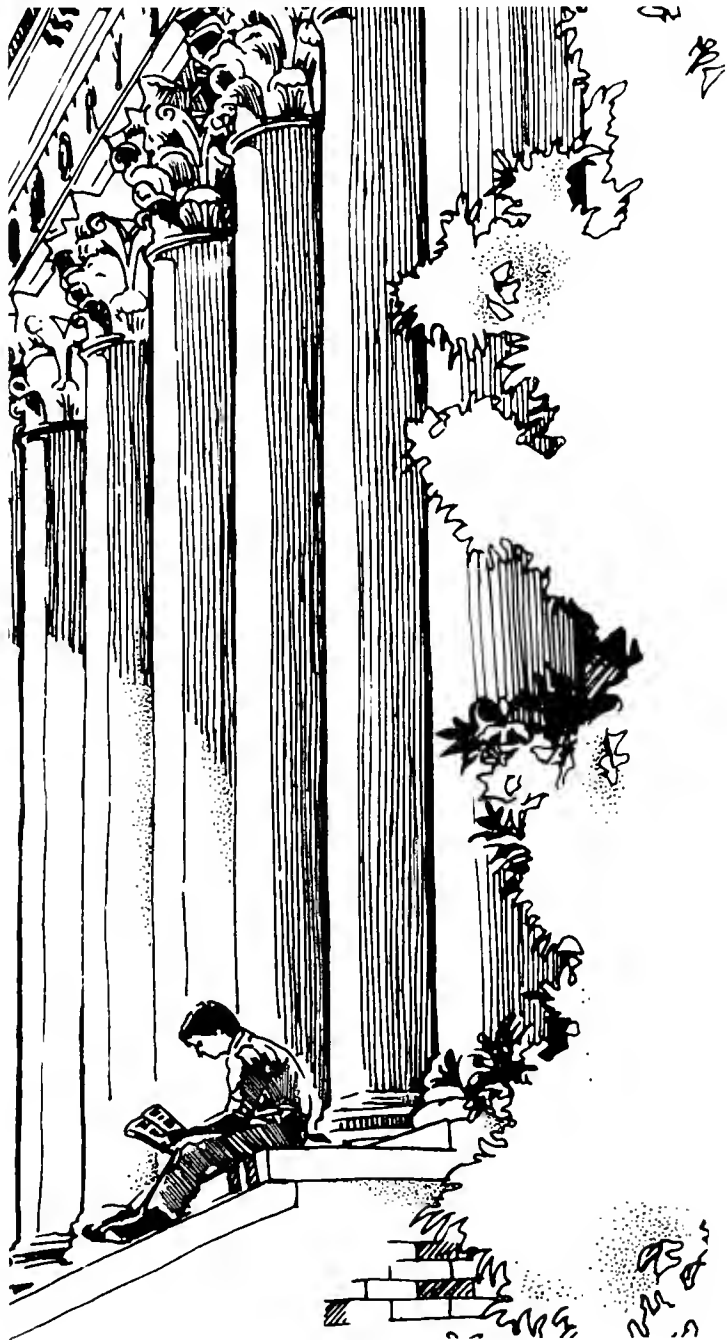
Rona Beverly Zimberg

Bachelor of Science

Individual Studies:

Anna Magdalena Josenhans

Andrew Wayne Zink



Candidates for Degrees

DECEMBER 23, 1986

The December 1986 class roster comprises degree candidates from the undergraduate and graduate programs at The University of Maryland College Park. As final action cannot always be taken for candidates by the time this program is printed, the list of candidates here is tentative only. The University reserves the right to withdraw or add names. Diplomas (for other than doctoral degrees) will be mailed by the Office of Records and Registrations.

GRADUATE SCHOOL

Doctor of Philosophy

Ibrahim Bin Abushah

Government and Politics:
The Use of Higher Education as an Intervention Strategy in the Economic Development of a Plural Society: A Case Study of Mara Institute of Technology in the Economic Policy of Malaysia.

Charles Agho Adamu

Agronomy: *Examination of the Availability of Heavy Metals in Selected Soils for Uptake by Maryland Tobacco as Influenced by Their Chemical and Physical Properties and Prior Sludge Amendments.*

Mario Alai

Philosophy: *Realism, Realisms and Naturalized Philosophy.*

Neil M. Alperstein

American Studies: *An Ethnographic Approach to the Study of Advertising in Everyday Life.*

Farshad Amini

Civil Engineering: *Dynamic Soil Behavior Under Random Excitation Conditions.*

Carol Marie Amoia

Special Education: *A Comparative Analysis of the Structural Properties of Organizations Collaborating to Serve Handicapped Children and Youth.*

Ellen Marie Anderson

Chemistry: *Viscosity of Pure Sulfur and Phase Diagram for Sulfur-Biphenyl Mixtures.*

Nehama Ella Babin

Sociology: *The Impact of Military Expenditures on Economic Growth and Development in the Less Developed Countries.*

Vicki Elaine Hancock Baer

Education Policy, Planning, and Administration: *Case Study: Children, Word Processing, and Attitudes Toward Writing.*

Virgil E. Ball

Agricultural and Resource Economics: *Modelling the Structure of Production in U.S. Agriculture.*

Richard Andrew Barczewski

Animal Sciences: *Studies on the Pre-Parturient Behaviors of Sows and the Post-Parturient Behaviors of Piglets.*

Vittoria Marie Barge

Education Policy, Planning, and Administration: *The Effect of Selected Cultural and Attitudinal Factors on Participation in Adult Education of Vietnamese Refugee Women.*

Robert Joel Barry

Biochemistry: *Enzymic Phosphoryl Transfer to Oxygen and Carbon Acceptors: The Kinetic Mechanism and Substrate Specificity of Yeast Inorganic Pyrophosphate and an Investigation of the Biosynthesis of a 2-Aminoethylphosphonic Acid in *Tetrahymena pyriformis* W.*

Mary Katherine Batchelor

Measurement, Statistics and Evaluation: *Maximum Likelihood Multidimensional Scaling, a Multivariate Approach.*

Stephen Michael Beasley

Human Development: *The Mind-Body Problem and Psychological Explanations of Mental Illness.*

Nabih Elias Bedewi

Mechanical Engineering: *The Mathematical Basis for the Random Decrement and Cross-Random Decrement Techniques with Applications in Structural Dynamics Problems.*

Zoltan Laszlo Benko

Chemistry: *Applications of the Diels-Adler Reaction and a Phono-Induced Carbon-Carbon Bond Forming Reaction to the Synthesis of Natural Products from Carbohydrates.*

David Sinclair Birdsell

Public Communication: *Tropological Perspectives on Public Policy Discourse.*

Jay Arthur Blundon

Zoology: *Chela Morphology and Neuromuscular Performance in Temperate and Tropical Populations Within Decapod Crustacean Species.*

Lester Hal Bodian

Psychology: *So, Do You Think You're Going to Finish?: Career Instrumentality of Degree Completion as a Major Factor in Doctoral Student Attrition.*

- Jerry Tighe Bonnell
Astronomy: *Spectroscopic Determinations of the Surface Gravities of Giant Stars.*
- Laure Weber Brooks
Criminology: *Examining Determinants of Police Orientations and Their Impact on Discretionary Police Behaviors: The Effects of Organizational and Neighborhood Factors.*
- Reginald Paul Brown
Physics: *Aspects of Chaotic Dynamics in One or More Dimensions.*
- Virginia S. Cain
Sociology: *Changing Fertility Expectations of American Youth.*
- Kenneth Ray Carroll
Physics: *Investigation of Noise in a Point-Contact dc SQUID.*
- Marianne Pace Celano
Psychology: *Acculturation, Adjustment, and Length of Residence of Vietnamese Refugees.*
- Sharon Kaye Cessna
Physical Education: *Academic Learning Time in Physical Education as it Relates to Teacher Effectiveness, Student Achievement and the Teacher Evaluation Process.*
- Chryssoula Chairpoulou
Physical Education: *Effectiveness and Personal Rhythm in the Production and Control of Upper Limb Movements.*
- Chein-I Chang
Electrical Engineering: *A Generalized Minimax Approach to Statistical Decision Problems with Applications to Rate Distortion Theory.*
- Chen-Shiung Chang
Electrical Engineering: *Picosecond Optoelectronic Switching and Applications.*
- Lih-Ming Chao
Mechanical Engineering: *Robot Positioning Accuracy Improvement by Kinematic Parameter Identification Technique.*
- Raymond Sheng-Chieh Cheng
Applied Mathematics: *Delta-Trigonometric and Spline-Trigonometric Methods Using the Single Layer Potential Representation.*
- Elizabeth Jane Clark
Engineering Materials: *Crystallization and Fibril Formation in Polymers.*
- Loren Dean Coen
Zoology: *Tropical Plant-Animal Interactions: Ecology and Comparative Functional Morphology of Plant-Grazing Decapod (Brachyura) Crustaceans.*
- Fahri Taha Comezoglu
Chemistry: *Trichothecenes-I: The Isolation of Myrotoxins and Mytoxins and II: Mechanistic Studies of Rearrangements and Biosyntheses.*
- Alanna Connors
Physics: *The HEAO 1 A-2 All-Sky Study of Fast X-ray Transients.*
- John Michael Conroy
Computer Science: *Parallel Direct Solution of Sparse Linear Systems of Equations.*
- Diana Kay Corley
Public Communication: *The Relationship of Visual, Verbal, and Tonal Channels to Concepts in Multidimensional Space.*
- Sara Jane Corse
Psychology: *The Reactions of Male and Female Subordinates to a Pregnant Manager.*
- Michael Peter Crosby
Marine-Estuarine-Environmental Sciences: *Oysters, Bacteria, and Detritus: A Menage a Trois.*
- Severino Endaya Cuevas
Agricultural and Extension Education: *Occupational Aspirations, Plans Beyond High School and Changes in Sophomore VOAG Students of 1980 - A Time Series Study.*
- Carol Brown Daniels
Marine-Estuarine-Environmental Sciences: *Development of Mutagenicity Assays Using Microbial Indicators and Marine Microsomal Activating Systems.*
- Anne Robinson Davis
Government and Politics: *The Medicare Prospective Payment System: Results Intended and Unintended.*
- Pilar de la Torre
Computer Science: *Analysis of Tries for Variable Length Keys: Storage and Retrieval of Prefix Keys.*
- Richard Eugene Denton
Physics: *The Dynamics of Sawteeth in Tokamak Plasmas.*
- Lynn Ellen Dickey
Nutritional Sciences: *Characterization of Platelets Isolated from Mice Fed Diets Containing trans Fatty Acids.*
- Carol DiPace
Counseling and Personnel Services: *Preschool/Kindergarten Curriculum as Judged by Preschool and Kindergarten Teachers.*
- H. Minnie Dunbar
Education Policy, Planning, and Administration: *The Effects of Personal and Institutional Characteristics on the Marketing Attitude of Community College Faculty.*
- Bradley James Ebersole
Education Policy, Planning, and Administration: *Community Colleges and International Education: Analysis of Policy and Administration.*
- Raymond Lamont Ellis
Criminal Justice and Criminology: *Pretrial Release Decisionmaking, Failure to Appear and Case Outcome in a Court of Limited Jurisdiction: A Baltimore Study.*
- William Patrick Emley
Curriculum and Instruction: *The Relative Effectiveness of Cooperative Learning Versus Individualized Instruction in a College Level Remedial Mathematics Course, and the Corresponding Relationships Between Attitude and Personality Types. A Time Series Study.*

- William Alan Erb
Horticulture: *The Evaluation of Vaccinium Interspecific Hybrids in Different Water Deficit Environments.*
- John Albert Ernst
Geography: *Spatial-Temporal Variability of North Pacific Sea Surface Temperature Anomaly Patterns, 1947-1983.*
- Sharon Spitz Fagin
Counseling and Personnel Services: *Emotional and Behavioral Correlates of Emotional Reactivity.*
- Nicholas Joseph Fendinger
Chemistry: *Chemical Characterization of Organic Components in Leachates from Coal.*
- Gregory Peck Fenner
Botany: *Developmental Aspects of Sterol Biosynthesis in Cucurbita Maxima.*
- Jaime Alberto Fernandez-Baca
Physics: *Neutron Scattering Study of the Spin Dynamics of Amorphous Invar Alloys.*
- Louis Douglas Finney
Economics: *A Rational Choice Theory of Political Violence.*
- Jeffre Dale Firman
Poultry Science: *The Aminostatic Theory and Neuroregulation of Food Intake in Broiler Chicks.*
- William Michael Folkner
Physics: *Performance of a Three Mode Gravitational Radiation Antenna.*
- Gregory Louis Fritz
Chemistry: *The Photochemistry of Aromatic Imides in the Presence of Alkenes.*
- Barbara Ann Gage
Curriculum and Instruction: *An Analysis of Problem Solving Processes in Quantitative Equilibrium Problems in College Chemistry.*
- Doris Wessmann Garner
Human Development: *The Difference in Impulsivity, Error, Laterality and Speed as a Partial Explanation of Differences in Achievement Between Hearing and Deaf Students.*
- Gene Elizabeth Gary-Williams
Human Development: *Well Being of Retired Black Males Measured by Selected Psychosocial Variables.*
- Madonna Therese Goodspeed
Counseling and Personnel Services: *A Teacher Training Program to Enhance Regular Classroom Teachers' Competencies for Mainstreaming.*
- Timothy John Goodspeed
Economics: *Local Income Taxation: Equilibrium, Efficiency, and Welfare Loss in a General Equilibrium Model of a System of Cities.*
- Ponani S. Gopalakrishnan
Computer Science: *Parallel Approximate Algorithms for Combinatorially Hard Problems.*
- David Michael Gorzo
Horticulture: *Characterization, Physical and Gene Mapping of Chloroplast and Chromoplast DNAs of Zinnia elegans.*
- Andrea Gould
Education Policy, Planning, and Administration: *Perceptions of Professional Accreditation by Major University Actors. A Case Study: University of Baltimore.*
- Janet Gorman Graham
Curriculum and Instruction: *A Comparison of the Writing of College Freshmen and College Seniors with a Focus on Indications of Cognitive Development.*
- William Alexander Gray
History: *Labor in Vain: The Weakness of the Workers Class Movement in French Lorraine, 1871-1914.*
- Roberta Gamble Gropper
Education Policy, Planning, and Administration: *Specialized Accreditation in Nursing: A Measure of Quality?*
- Kathleen McKenna Groutt
Health Education: *A Metahealth Analysis of the Lives of Gwendolyn Gordon, Dorothy Day, Ruth Gordon, Anais Nin, and Georgia O'Keefe.*
- Franklin Roy Guenther
Chemistry: *Residential Wood Combustion as a Source of Air Particulate Matter.*
- Keith Gregory Haddaway
Chemistry: *Mechanistic Studies in Single Electron Transfer Photochemical Processes.*
- Jae Hong Han
Electrical Engineering: *Symmetries in Nonlinear Control Systems and Their Applications.*
- Kyu San Han
Electrical Engineering: *Simultaneous Detection and Estimation of Diffusion Type Signals.*
- Susan Atherton Hanson
American Studies: *Home Sweet Home: Industrialization's Impact on Rural Households, 1865-1920s.*
- Robert Alexander Haynes
Human Development: *The Relationship Between Attitudes Toward Social Interdependence and Adjustment in Individuals Between 21 and 65.*
- Douglas Lee Henne
Business and Management: *Instructor, Owen Graduate School of Management, Vanderbilt University. Thoughts and Actions as Consequences of Job Dissatisfaction.*
- Haitham A. Hijazi
Civil Engineering: *Generalized Static and Dynamic Analysis of Tube Structure.*
- Lorenzo Oscar Hilliard
Applied Mathematics: *The Case of Equality in Hopf's Inequality.*

- Robert Bruce Hindsley
Astronomy: *An Investigation of Cepheid Variable Stars Using Hydrostatic Model Atmospheres.*
- Behjat Hojjati
Agricultural and Resource Economics: *The Demand for Crop Insurance.*
- Kevin Craig Holley
Applied Mathematics: *VLSI Signal Processing Applied to Nonlinear Filtering.*
- Judith Anne Holt
Measurement, Statistics and Evaluation: *A Monte Carlo Study of the Likelihood Ratio Difference Chi-Square Statistic for the Comparison of Subsuming Latent Class Models with Parameters at Boundary Values.*
- Juliette Coupain Howe
Nutritional Science: *The Postprandial Response of Calcium and Phosphorous Metabolism to Single Meals Varying in Protein Level and Source.*
- Gary D. Hughes
Mechanical Engineering: *The Effect of Grain Style on the Hardness of Electrodeposited Nickel.*
- Ken Hung
Business and Management: *The Effects of Misspecifications in Vector Autoregressive Moving Average Models on Parameter Estimation and Forecasting.*
- Dawn Lynn Hunter-King
Special Education: *An Investigation of the Affect of Tutoring Versus Social Contact with Severely Handicapped Students on the Attitudes of Nonhandicapped High School Students.*
- William J. Hussar
Economics: *The Testing of Several Explanations of the Flypaper Effect.*
- David Hussong
Microbiology: *Incidence of Legionella pneumophila in the Environment: Evidence for a Viable but Non-Culturable Form.*
- Paula Ann Hutzell
Botany: *Studies on the Biology of the Corn Cyst Nematode, Heterodera zaeae.*
- Robert Christopher Jambou
Microbiology: *Identification of Human Parainfluenza-3 Virus Associated Polypeptides and Nucleotide Sequence of the mRNA Encoding the Viral Nucleoprotein.*
- Stephen James Jordan
Marine-Estuarine-Environmental Sciences: *Ecological and Biochemical Significance of Oyster Biodeposition.*
- Augusto Jugo
Civil Engineering: *Development of a Rehabilitation Methodology Approach for Flexible Pavements.*
- Ashima Kakar Kant
Food, Nutrition and Institution Administration: *The Effect of Aging on Vitamin B-6 Absorption and Metabolism in Men.*
- Carolyn Hack Kaplan
Chemical Engineering: *Agglomeration Due to Brownian Motion of Fractal-Structured Combustion Aerosols.*
- Namir Kassim
Astronomy: *The Clark Lake 30.9 MHz Galactic Plane Survey.*
- Patricia A. Keenan
Curriculum and Instruction: *Stimulating Children's Imagination Through the Use of Creative Storytelling.*
- Caroline Kertzman
Psychology: *Size-Difference Thresholds After Lesions of Visual Thalamic Nuclei in Pigeons.*
- James David Kestenbaum
Psychology: *The Effects of Personal Counseling on Counseling Psychology Graduate Students: Training and Support Issues.*
- Hee Kim
Sociology: *The Architectonic of Georg Simmel's Social Theory.*
- Jai Ok Kim
Textiles and Consumer Economics: *Measurements of Surface Temperature Changes and Moisture Vapor Transfer through Fabric and Micro-Porous Film Assemblies.*
- Clifford Riley King
Chemistry: *The Synthesis of Aporphoadane Alkaloid Analogs.*
- Joseph Trum Kirkby
Agronomy: *The Response of Top-Clipped Johnsongrass to Glyphosate Applications.*
- Catherine Louise Kling
Economics: *Measuring the Recreational Benefits of Environmental Amenities Using Multiple Site Models: An Evaluation of Techniques.*
- Job Kozharnthadam
Philosophy: *The Influence of the Interaction Among Religion, Philosophy, and Empirical Science on the Discovery of the Laws of Kepler.*
- Francisco G. Ladaga
Agricultural and Extension Education: *Development of an Extension Model for Philippine Cocoa Smallholders.*
- T. V. Lakshman
Computer Science: *Message Complexity Versus Delay Tradeoffs in Decentralized Algorithms.*
- Hyunok Lee
Agricultural and Resource Economics: *Nonlinear Credit Pricing in U.S. Agriculture.*
- Virginia Campbell Lemon
Agricultural and Extension Education: *Assateague Island: Dynamics and Management Policy.*
- I-Cheng Lin
Civil Engineering: *Optimization of Prestressed Steel Beams.*
- Wei-Keng Lin
Chemical Engineering: *Effect of Channel Curvature on Void and Velocity Profiles.*

- Joyce Anne Lowry
Curriculum and Instruction: *An Investigation of Nine-Year-Olds' Geometric Concept of Area and Perimeter.*
- Mark Scott Lutz
Economics: *The Effects of Investment-Targeted Tax Changes in a Two-Country Model with Capital Accumulation.*
- Carolyn Dupont Lynch
Economics: *The Fiscal Limitation Movement and Its Implications for the Median Voter Model.*
- Shirley Willis Maase
Communication Arts and Theatre: *Multidimensional Scaling Applied to the Cognitive Response to Humor.*
- Loris A. Magnani
Astronomy: *Molecular Clouds at High Galactic Latitudes.*
- Brent Stephen Mallinckrodt
Psychology: *Social Support in Self-Help Groups for Unemployed Professionals.*
- Daniel Margulies
Marine-Estuarine-Environmental Sciences: *Effects of Food Concentration and Temperature on Development, Growth, Survival and Susceptibility to Predation of Larval White Perch (*Morone americana*).*
- Alyce Cristina Martinez
Psychology: *Counselor Responses to Termination as a Function of Counselor Sex and Experience Level.*
- Paul Joseph Mastradone
Chemistry: *Rates and Reactions of Arsenic Species in Aquatic Systems.*
- Michael Joseph McCarrick
Physics: *Quasilinear Saturation of the Drift-Cyclotron Loss-Cone Mode.*
- Conley Kirby McMullen
Botany: *A Study of Self-Compatibility, Self-Incompatibility, and Pollination Agents of Representative Galapagos Islands Angiosperms.*
- Debra A. Miller
Curriculum and Instruction: *Post Reading Instruction: Questioning Strategies, Individual Learning Activities, and the Use of Basal Manuals.*
- Ebraahim Moghaddam-Taaheri
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Computer Science: *Matrix Computations by Monte Carlo Optimization.*
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Physics: *The Effects of Inversion Asymmetry on Diluted Magnetic Semiconductors with the Zinablende Structure.*
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Spanish Language and Literature: *Produccion Literaria Y Critica Social En Las Novelas De Mario Vargas Llosa (1963-1981).*
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Physics: *Baryon-Baryon Force in a Quiral Quark Model.*
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Physics: *Study on a Non-Linear Dynamical Model of Plasma Turbulence.*

- Venkatraman Raghavan
Aerospace Engineering:
*Unsteady Boundary Layer
Flows and its Applications to
Circulation Control.*
- Kenneth James Ritter
Physics: *A High Resolution
Spectroscopic Study of
Absorption Line Profiles in
the A-Band of Molecular
Oxygen.*
- John David Robertson
Chemistry: *A Search for
Reflection Asymmetry in
Medium Mass Nuclei. A
Study of the Structure of
145Ba, 147Ce, 143Ba, and
139Xe.*
- Mohammad A. Rokni
Mechanical Engineering:
*The Computation of
Liapunov Exponents.*
- David Michael Rollins
Microbiology: *Evaluation of
the Viable, But Nonculturable
Stage of Campylobacter
jejuni.*
- Robin Sue Rosenberg
Psychology:
*Psychotherapists' Defensive
Style, Life Stage Issues, and
Level of Empathy: Factors
Influencing Bias in the
Conceptualization of Clients'
Problems?*
- Rae Sheila Rosenthal
English Language and
Literature: *Narrative Power
and Patriarchy: Elizabeth
Gaskell and William
Thackeray.*
- Henry John Roth
Biochemistry: *Myelin Basic
Protein Structure and Gene
Expression in Human and
Mouse Central Nervous
System Tissue.*
- Sandra Vee Rumore
Curriculum and Instruction:
*Teaching a Unit on Functions
from a Conceptual
Approach: Will It Affect the
Number of States Attained in
Understanding the Concept?*
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Sociology: *Trouble and
Issues: Maternal Perspectives
in Childcare.*
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Spanish Language and
Literature: *El Discurso
Indigenista En Bolivia
(1900-1956).*
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Botany: *Effects of
Cyclopropenoid Fatty Acids
on the Growth and Lipid
Composition of Plant
Pathogenic Fungi.*
- Kathleen Doherty Schmid
Psychology: *Coping: An
Analysis of Perception-
Response Congruency
Across Situations and
Gender in a College Age
Sample.*
- Craig Schulze
Human Development: *The
Effect of Four Different
Teaching Strategies on the
Honesty of Kindergarten and
Second Grade Children.*
- Sherry Bromser Scott
Curriculum and Instruction:
*The Effects of Topic Specific
and Audience Specific Pre-
Writing Questions on Tenth
Grade Students' Persuasive
Letter Writing.*
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Physical Education: *The
Effects of Rhythmical
Exercise on Isometric Fatigue
of the Non-Involved Muscles.*
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Federal Anti-Discrimination
Program Upon the Wage
Rates and Employment of
Women Across Major
Industry and Occupational
Groups.*
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Civil Engineering: *Probable
Maximum Flood in
Hydrologic Design.*
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Study of Static Critical
Phenomena in Binary Liquid
Mixtures.*
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English: *Black Ethos and
Baraka's Audiences: A Study
of Amiri Baraka's Drama
Written During the Black
Arts Movement from 1964
to 1969.*
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Health Education: *Argentine
Hemorrhagic Fever: A Study
to Assess the Effect of
Communication and
Educational Interventions,
and of Social Support to
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Individual-Particle Analysis of
the Arctic Haze Aerosol.*
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Nutritional Sciences: *The
Effect of Ovariectomy and
Dietary Factors on Bone
Metabolism and Calcium
Homeostasis in Rats.*
- Toru Shimizu
Psychology: *Reversal
Learning Performance After
Selective Lesions of the
Wulst in Pigeons.*
- Bernita Maria Sims-Tucker
Special Education: *A
Comparison of Two
Nonverbal Language Training
Programs With Severely
Handicapped Preschoolers.*
- Rashmi Sinha
Nutritional Sciences: *Effects
of Age And Nutrition on
Bone Metabolism.*
- Jane Elizabeth Smedley
Chemistry: *Close-Coupling
Calculations for Collisions of
NO⁽²⁾ with a Ag(111)
Surface.*
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Nutritional Sciences: *Blood
and Urinary Zinc and Copper
Changes Following a
Glucose Challenge in Early
and Late Pregnant Women.*
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Education Policy, Planning,
and Administration: *A Test
of the Assumption that
Teachers Can Self-Assess
Instructional Behavior with
Only General Professional
Education.*
- Barbara Smothers
Human Development: *The
Relationships Among Patient
Functional Behaviors, Patient
Characteristics, Staff
Practices, and Social Climate
in a Psychiatric Hospital.*
- Barbara Ann Sorg
Biochemistry: *Expression of
Myelin Proteolipid Protein
and Basic Protein Genes in
Normal and Dysmyelinating
Mutant Mice.*
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Business and Management:
*Loan Losses, Interest Rate
Risk and Common Stock
Return of Commercial
Banks.*

- Cluney Moses Stagg
Marine-Estuarine-
Environmental Sciences: *An Expert System for Fishery Management with Application to Chesapeake Bay Fisheries.*
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Special Education: *Deinstitutionalization of Mentally Retarded Persons in Maryland: A Status Report of Community Residential Services.*
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Mechanical Engineering: *A Dynamic Study of Flexible Robot Manipulators: Analytical and Experimental Approach.*
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Criminal Justice and Criminology: *A Model of Compliance to Supreme Court Decisions.*
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Criminal Justice and Criminology: *The Future of Law Enforcement: A Delphi Analysis.*
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Civil Engineering: *Effect of Time on Dynamic Soil Properties of Cohesive Soils.*
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Human Development: *The Relationship of Birth Order, Perception of Parents' Child Rearing Behavior and Parental Modeling to Daughters' Sex Role Identity.*
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French Language and Literature: *L'écriture du voyage: de l'exotisme romantique à la crise de l'exotisme dans la littérature moderne.*
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Industrial, Technological and Occupational Education: *A Comparative Analysis of the Effect of the Use of the Audio-Visual/Tactile Approach and the Audio-Visual or Conventional Approach on Achievement in Shorthand Theory.*
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Sociology: *Family Processes and Family Structural Effects on Black and White Children's Socialization Outcomes in Single and Two Parented Homes.*
- Juan Francisco Tituana, Jr.
Education Policy, Planning, and Administration: *Occupational Portrayals of Hispanic Television Characters on the Spanish International Network.*
- Jorge Abril Trigo
Spanish Language and Literature: *El espejo y su imagen: Caudillo, estado, nación. Translation: The Mirror and Its Image: Caudillo, State and Nation.*
- Myron J. Veenstra
Counseling and Personnel Services: *Therapist Response to Sex Role Stereotypic Vocational and Social Issues.*
- Mahendran Velauthapillai
Computer Science: *On the Inference of Approximate Programs.*
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Psychology: *Relationships Among Managers' Past Experiences, Self-Perceptions, Job Choice, and Job Success.*
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Zoology: *The Influence of a Predaceous Midge Larva on the Composition of Pond Zooplankton Communities.*
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Botany: *Fatty Acid Composition and Membrane Characteristics of *Ustilago maydis* Following Exposure to an Ergosterol Biosynthesis Inhibitor.*
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Chemistry: *Diphosphine Disulfides: Types and Mechanism of Formation by a Grignard Reaction.*
- Michele Ann Weidner
Chemistry: *The Total Synthesis of DC-81, a Pyrrolo (1,4)benzodiazepine Antitumor Antibiotic.*
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Computer Science: *Reasoning About What You Can and Can't See in Computer Vision.*
- Stephen Wayne Wharton
Civil Engineering: *An Image Understanding System for Road Detection in Thematic Mapper Data.*
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Counseling and Personnel Services: *The Relationship of Conceptual Level to Facilitative Conditions and Structure in the Counseling Process.*

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- Lorraine Beth Wodiska
Counseling and Personnel Services: *Concern About Confidentiality: Its Relationship to Self-Disclosure and Group Climate in a Small Group Setting.*
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Agriculture and Extension Education: *Present Job Status of Veterans as a Consequence of Black Educational Attitudes, Past Life Cycle Aspirations, and Military Training.*
- Sau-Mou Wu
Electrical Engineering: *SYMBL: A New Boolean Compiler.*
- Shao Bin Wu
Engineering Materials: *Unusual W-Shape Galvanic Cell Model and Dislocation Behavior of SCC of -Brass in Neutral Mattsson's Solution.*
- Sihua Xu
Botany: *Sterol Distribution in Caryophyllidae with Emphasis on Its Chemotaxonomic Value.*
- Chan Su Yim
Civil Engineering: *Development and Testings of Granular Filter Design Criteria for Storm Water Management Infiltration Structures (SWMIS).*
- Charles Edward Yoe
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- Tzu-Ming Yu
Chemical Engineering: *Modular Dynamic Simulation Techniques for Chemical Processes.*
- Joseph Louis Zelibor, Jr.
Microbiology: *Geomicrobiological Processes Associated with Organic Accumulation and Mineral Precipitation in Aquatic Systems.*
- Doctor of Education**
- Carl Roosevelt Bennett
Education Policy, Planning, and Administration: *Students' Concept of "Old".*
- Jennifer Ann Comer
Education Policy, Planning, and Administration: *Selected Administrators', Teachers' and Students' Perceptions of Effective Gifted and Talented Programs.*
- Betty Lou Cover
Curriculum and Instruction: *Blue-Pencil Workers: The Effects of a Peer-Editing Technique on Students' Editing Skills and Attitudes Toward Writing at the Seventh Grade Level.*
- Gary Irwin Geiger
Education Policy, Planning, and Administration: *The Effectiveness of the District of Columbia Public School System's Administrators' Leadership Training Academy.*
- Carter Lee Hammersla
Education Policy, Planning, and Administration: *Factors Influencing the Passage of House Bill 378 in 1967.*
- Gwendolyn Bishop Handy
Curriculum and Instruction: *The Development and Evaluation of a Volunteer Handbook for the Middle Schools of Dorchester County.*
- Gary Lee Hendrickson
Curriculum and Instruction: *The Effect of Selected Myers-Briggs Personality Types and Learning Styles on Geometry Achievement in High School Students.*
- Benjamin K. Hirsh
Curriculum and Instruction: *Development and Evaluation of an Inservice Education Program for Mainstreaming Handicapped Children.*
- Marie F. Hutton
Curriculum and Instruction: *Perceptions of the Role of Academic Advisor Held by Students, Academic Advisors, and Administrators at Delaware State College.*
- Spencer H. Klevenow
Curriculum and Instruction: *A Comparison of the Text Editing Features of Two Microcomputer Word Processing Programs.*
- Dorothy A. Kunkel
Curriculum and Instruction: *Computer-Assisted Instruction in Reading: The Comprehension Achievement and Attitudes of Field-dependent and Field-independent Students.*
- Samuel H. Lasko
Education Policy, Planning, and Administration: *A Study of Stressors and Coping Techniques Utilized by Jewish Day School Administrators.*
- Allenna Dungan Leonard
Education Policy, Planning, and Administration: *Broadcast Policy Concepts: A Comparison of Perspectives.*
- Patricia K. Lesnick
Education Policy, Planning, and Administration: *Critical Organizational Processes that Promote/Inhibit the Implementation of an Innovative Integration Program for Special Education Students.*
- Ellen Ann McFadden
Education Policy, Planning, and Administration: *Clinical Decision Making and Its Relationship to Learning Style and Personality Type.*
- Patricia Schumacher Oliphant
Curriculum and Instruction: *Textbook Selection Practices and Procedures in the State of Delaware.*
- Joseph Maurice Petrone
Curriculum and Instruction: *The Relationship Between Teachers' Personality Type and Their Level of Concern Regarding the Use of Microcomputers.*
- Jane Bankert Schuchardt
Curriculum and Instruction: *Instructional Reading Strategies Designed to Match Teaching Reading According to Individualized Learning Styles of Children.*
- Gerald Frederick Snelson
Curriculum and Instruction: *Teacher, Garrett County Public Schools.*

Stanley Nathan Truman
Education Policy, Planning,
and Administration: *Profiling
and Predicting Ninth Grade
One-Time and Multiple
Suspendees.*

Evelyn Pasteur Valentine
Education Policy, Planning,
and Administration: *An
Exploratory Study to
Determine the Feasibility of
Strategic Planning in Selected
School Systems in the State
of Maryland.*

Edward Robert Zenker
Curriculum and Instruction:
*The Effect of a Relaxation
Experience that Utilizes
Breath-Control and Guides
Fantasy on the Ability of
Learning Disabled Students
to Attend to a Task of
Compliance to Oral
Directions While
Experiencing Auditory,
Verbal Distraction.*

Doctor of Musical Arts

Socrates Armenak Boyajian
Music: *Music for Flute/
Percussion/Tape.*

Deborah Brown
Music: *Ned Rorem: The
Complete Works for Solo
Piano.*

Vern Clifford Falby
Music: *Music In and Out of
Words: Musical/Textual
Relations in English-
Language Works
(1948-1954) by Igor
Stravinsky.*

Nancy Rita Matarazzo
Music: *The Art Songs of
Ottorino Respighi.*

Master of Arts

American Studies:

Carl Samuel Choper
Michelle M. Elliott
Matthew Paul Kochanski
Christine K. Kubo
Roni Lynn Polisar
Vanessa Lee Vick

Applied Mathematics:

Elvira Agrón
Shymala B. Dason
Donald James Dichmann
Jay Gary Rosansky

Art:

Mary Kathleen Dolan
Pamela Rae Hall
Ruth Garbisch Manchester

Communication Arts and Theatre:

Ruth Elisabeth Anderson
Kathleen J. Bies
Heather Glenon Dunn
Gloria Peabody Gallagher
Mary Frances Kiley
Margaret Anne Klein
Jennifer Anne Lincoln
Shiou Yun Liu
Chandra Rachele Norman
David Samuel Paglin
Roberta Cheryl Penn
Gay S. Plungas
Rodney Burgess Schwartz
Dwight Hall Sullivan
Joseph Ignatious Tomczak
Ann Marie Tonner

Comparative Literature:

Maria Helena M. Lima

Counseling and Personnel Services:

Valerie Patricia Cohen
Joanna Der-Stepanian
Michelle Lori Friedman
Wanda J. Jones
Barbara Levitz
Barbara E. Morris-Troiano
Mary Ann Rieder
Karen Swetz Wood

Criminal Justice and Crimology:

Douglas Mark Gross
Karyn Lynn King

Curriculum and Instruction:

Linda Ruth Sanders
Charlene Sheets

Economics:

Yahya Yahya Almutawakel
Peter Henry Barlerin
Kara Teevan Boatman
Marcos André Bonturi
Cynthia Lynn Clement
Richard Jonathan Gering
Mark Timothy Gibson
Holly Elizabeth Glenn
Berhane Kassahun
Paul Semyano Kiingi
John Charles Langer
Jeffrey Andrew Lemieux
Jonathan Edward Lubick
Christopher Eugene
Pastelak
Carol Elizabeth Sattler
Peter P. Schaffer
Lien Huong Tran

Education Policy, Planning, and Administration:

Jo Ellen Johnson
Francis Michael Joseph
O'Brien

English Language and Literature:

Abdeljawad Mohamad
Al-Atrash
Mary Jane Barnett
Michele R. Beach
Ronald Timothy Charles
Boyd
Linda Carol Brigham
Rowena Rachael
Cross-Najafi
Barbara Louise Eaton
Kirk Arthur Ewalt
Elisabeth Carter Foad
Daniel Denton Honemann
Kathleen M. Krivak
Colleen Frances McDowell
David Paul Meng

Roger Allan Reynolds
Michael E. Schiefelbein
Sarah Elizabeth Sinopoli
Josie L. Sprowl
Madeline Frances Suss
Judith Smith Young

French Language and Literature:

Vincent Andrews

Geography:

Elizabeth Joan Agayoff
Mary Lee Anne Helmsen
William Francis Henaghan
Barbara A. Melvin
Brian Carl Rimar
Barbara McDougall Young

Germanic Language and Literature:

Virginia Sue Alexander

Government and Politics:

Ryoichi Arakawa
Pamela J. Edwards
Patrick James Elder
Joan Frances Greenwell
Paul Erik Parker
James C. Thomas
Alexander Von Cube
Francois Toe Suo Tepo
Wurah

Health Education:

Joseph R. Adlesic
Joyce Maloney Barnett
Ruth Sharon Feldstein
Melinda Cochran Hieber
John F. Kunz
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Hearing and Speech Sciences:

Inderjit Kaur Bhathal
Linda Elaine Carr-Kraft
Francine Beth Friedman
Kathy Elaine Gates
Carole Loreen Goss
Helen E. Hargadon
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Laurel Campbell Martin
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Lynne Miller Scheib
Celeste Patterson Schindler
Astrid Boch Stephan
Thomas Edward Twigg
Joseph Eugene Walukonis
Kenneth Clarke Wenzel

Human Development:

David Guy Codner
Mary Kathryn Mead
Phyllis Maurer Rumbarger

Industrial-Technological-

Occupational Education:
Simon A. Zerihun

Journalism:

Wanda Rose Baldwin
Robert D. Benincasa
Laurie A. Evans
Angela Winter Gambill
Randi Jo Land
Alan Thomas Lipke
Ruth Anne Marshall
Timothy Joseph
McDonough
Charles Ramon Miro
Debra Ann Gainer Nelson
Robin Angela Smith
Lyn Yacovelle

Mathematical Statistics:

Mitchel Levy

Mathematics:

Spencer Bernard Fellows
Catherine B. Madden

Measurement, Statistics and Evaluation:

Carol Brignoli Gable
Shu-Jing Yen

Philosophy:

Kevin Mark Stanley

Physical Education:

Lisa Anne Amico
McClinton Brown, Jr.
Joseph Francis Grikis
Paulette Alyse Guy
Barbara Marie Jaeger
Anthony Drexel Mahon
Patricia D. Miller
Cindy Lee Norden
Susan Beauchamp Parker
Daniel M. Reeks
Karen Teresa Sullivan
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Psychology:

Robyn Ann Davidson
Christina Ann Douglas
Marie-Jocelyne Gessner
Catherine Louise Kelley
James Russell Mahalik
Colleen Margaret McHale
Shelly Lynne Ossana
Jacqueline Lois Clephane
Royal
Sharon Smith Stolaroff

Recreation:

Janice Lyn Atwood
Tammy J. Buckley
Lawrence David Eastman
Jeffrey Colin Gardner
Roger Philip Martin
Jayne S. Miller
Donna A. Zanetti

Sociology:

Ratchaneekorn Dibbayawan
David George Geiger
Omar L. Gutierrez

Spanish Language and Literature:

Elizabeth Daghlian
Sergio Alejandro Dahbar
Jeanne Marie
Downey-Vanover

Mañanita Gottberg
Elina Agüero McPherson
Luz I. Perez
Graciela Nelida Salto

Special Education:

Sandra Newcomb Dobbins
Kristin E. Secan

Urban Studies:

Natalie Cantor
Karen Darlene Gray

Master of Science

Aerospace Engineering:

Donald Wayne Ausherman
Randal Barber
John Edward Bate
Shmuel Fledel
Kumiko Iso Higman
Anthony Fitzgerald Istvan
Mark Ellis Kammeyer
Ki-Chung Kim
Alan John Lindenmoyer
Daniel Vincent MacInnis
Hieu Thien Ngo
Michael Joseph Nusca
Aaron A. Salzberg
Dhananjay Krishnaji Samak
John George Sekas
Alan Douglas Stemple
Michael Linwood Stickler
Michael S. Torok
Andrea Traversi

Agricultural Engineering:

Aniruddha Duttagupta
Joel Michael Milano
Percy Alberto Pacheco
Patricia Tojeiro

Agricultural and Extension Education:

Robert Allan Beavan
James Kenneth Ferrant
Anandan Narayanan
Susan Nicholson
Sondheimer

Agricultural and Resource Economics:

Theresa Marie D'Addio
William Charles Lewis
Mauricio Pizarro Vera
Sandra Marie Zavolta

Agromony:

Kay Mitchell Calavan
Frances Ann Caulfield
Dar-Guam Cheng
Elizabeth Ann Hirsh
Ruth K. Kamala
Sylvester Hirrorane Lipscomb
Roman Christian Pausch
Amanda Mary Prigg
Mwaffak Taib
Abdul-Rahman Tarawali
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Animal Sciences:

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Norma B. Firman
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Astronomy:

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Kiran B. Sakhuja

Botany:

Dolores Marie Batholomew
Stacey A. Frost
Rose Eileen Hilbert
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Business and Management:

Mou-Mei Fu
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Cheryl Potochnik Post
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Chemical Engineering:

Afeef A. Khan
Coreen Y. Lee
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Timothy Michael McMahon
Bahram Meyssami
Craig Kenji Sakai
Larry C. Tarshis
Lee Charles Wright

Chemical Physics:

Ying Chu

Chemistry:

Edward Mark Baum
Anita Louise Fiesel
Lauren Elizabeth McCarthy
Zinna Northington
Kiran B. Sakhuja

Civil Engineering:

Dulcy Mary Abraham
Syed Neyaz Ahmed
Mohammed Akbar
Siddique S. M. Alemneghad
Ghazi Sabri Barrawi
Juan Sturgis Boston
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Computer Science:

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Susan Chang
Show-Fune Chen
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Peter Brennan Cottrell
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Hatem Amine Sleem
Candace Marguerite Streuli
Judin Sukri
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Brian Keith Sutton
Jon Drake Valett
Phillip Alan Veatch
Li Qun Wu
Yong Xue
Kiam S. Yap

Electrical Engineering:

Mohammed Gomaa
Abutaleb
Ouassima Akhrif
Edgard Francis Bertaut, Jr.

Joe Earl Brewer
Jeffrey Paul Calame
Kwang-Cheng Chen
Gloria Hong Chien
Charles David Conner
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Lorenzo Finesso
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Gilbert Haven Frank
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Thomas Edward Herald, Jr.
James D. Horner
Stuart Tin Fah Huang
Ching-Yuh Jan
Thomas J. Ketseoglou
Edward Stephen Kozlosky
Ha Nhu Le
Chang-Shuoh Lee
Michael Quentin Lee
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David Charles MacEnany
Kevin D. Nibbelink
Wilfredo Valentin Perez
James Hunter Reinhart
Gary Thomas Roan
Jose Manuel Santiago
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Zachary Scott Stern
Midori Tanino
George John Theodorakos
Carlos Ricardo Valverde
Russell Neil VanAllen
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Stanley Bruce Wernek
Qiang Xu
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Paul Daniel Young
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Entomology:

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Jonathan Jay Kandell
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Food, Nutrition, and Institution Administration:

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Soon-Seon Kim
Phyllis Brooks McCarron
Pamela Ruth Pehrsson
Jody Siegel
Martha Jean Stubbs

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Virginia Nall Scott
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Randolph Jerome Faux
John Joseph Fitzgerald
Ramachandran Suresh

Horticulture:

Stephen Parker Dubik
Ignacio J. Espinosa
James Finnesey Harbage
Jon Tranel Lindstrom
Steven Fredric Patterson
Hui Shih

Marine-Estuarine-Environmental Sciences:

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Anil Ranvirsagar Agrawal

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Ying-Fa Chen
Bhavdeep S. Chhabra
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Marian Schutz Elsasser

Nuclear Engineering:

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Monique Therese Osborne
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Keng Min Low
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Master of Education

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Human Development:

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Industrial-Technological

Occupational Education:

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Master of Business Administration

Business and Management:

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Michael Dale Sweat
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Music:

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Nora S. Gibson
Matthew Greynolds
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Julia Ann Larson
Bruce Kevin McClurg
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Master of Library Science

Library and Information Services:

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Wollam
Ming Kan Wong

Master of Fine Arts

Ester Linger Clark
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Master of Architecture

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Master of Public Management

Paul Leonard Albert
Marcia Catherine Carroll
Mitchell Reagan Coffey
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Elizabeth N. Taylor

Master of Public Policy

David Lewis Aiken
Anthony Frank Fazio
L. Arthur Woodruff, Jr.

GRADUATE CERTIFICATES IN GERONTOLOGY

Master's Level:

Karen Renee Thatcher
Jodi Lynn Leatherman



College of Agriculture

Bachelor of Science

Agricultural Chemistry:

Jody Lynn Coleman
Dawson Monett Wood, Jr.

Agricultural Engineering:

Mir Vahid Roghani
John P. Welsh

Agricultural and Extension Education:

Virginia Clarice Apodaca
Chadwick
Brenda Sue Collins

Agricultural and Resource Economics:

EITayeb Ahmed Ei Dagany
Madani Maki Tall

Agronomy-Crop Science:

Olayinka Abiola Williams
(2nd Major: General
Agriculture)
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William Bryan Skaradek
Mary Ann Spiro

Animal Sciences:

Deborah Lynn Eckard
Michele Vrooman Haskins
Lori Ann Howells
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Laura Ann Thorsell

Food Science:

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David Verne Lishness

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School of Architecture

Bachelor of Science

Said Salim Al-Mukhtar
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Tod David Elzinga
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Suzanne Avery Patton
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Art History:

Elizabeth Starr Bernheisel
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* Terry A. Reiland
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Art Studio:

Rauzia Rhuana Ally
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Ali Nematollahy
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Preston William Sampson III
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Dance:

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Vicki Renee Finn
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East Asian Languages and Literatures:

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English Language and Literature:

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(2nd Major: Linguistics)
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French Language and Literature:

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Germanic Language and Literature:

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Linguistics:

Abigail Ziff

Music:

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Philosophy:

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Russian Area Studies:

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Russian Language and Literature:

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Spanish Language and Literature:

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Speech Communication:

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Theatre:

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Bachelor of Music

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Bachelor of Science

Advertising Design:

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College of Behavioral and Social Sciences

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Afro-American Studies:

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 (2nd Major: Economics)
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 Alvina Maria Long
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 Schmidt
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 Margarita Caridad Valdes
 Michael Joseph Viqueira
 Lisa F. Western
 Harold Richard Williamson
 Amanda I. Wolf
 Eric Luke Wong
 * Thomas Craig Woodrow
 Thomas Nelson Yeager
 Bennett Edmond Zinman

**Hearing and Speech
 Sciences:**

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 Loree Chryssinda Cobb
 Leigh Ann Kirchner
 Kathleen Marie O'Haver
 Elizabeth J. Page
 Gary Alan Troia
 Deborah Lee Winnicki

Law Enforcement:

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 Grant Robert McDaniel
 John Finn Norman, Jr.
 Douglas Patrick O'Clery
 Robert Garfield O'Leary
 James Davis Walker, Jr.

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 Caroline Anne Chiazzie
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 Edward Charles Constantine
 Jill Marie Davies
 Leigh Duncan
 John Simmons Fanning
 Margaret Ann Flaherty
 Timothy Wayne Flora

Benjamin Seth Fox
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 Eric Scott Gorinson
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 * Avis Levy King
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 Elizabeth Lynne Segal
 Robert David Shaub
 Maureen Hilary Sporn
 (2nd Major: Criminal
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Sociology:

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 Leslie Jay Genner
 Gayle Elizabeth Greenhow
 (2nd Major: Criminology)
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 Charles Henry Hoover III
 Christina Mary Hurst
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Aaron Eugene McMahon
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 Hamilton
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 Ingrid Raquel Mendez
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 Kim Lorena Zook

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Geography:

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 † David Michael Danko
 Juan Carlos Deguara
 Allan J. Dix
 Grover Bache Gill III
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 Lisan M. Lyau
 Ernest Vincent Monti
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 Adam Bennett Smith
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Information Systems

Management:

Sirena King Cheung

Psychology:

Matthew Alan Anderson

Leila Annette Bakry
 Tondeleyo Lang Dale
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 Konstantinos Karavasilis
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 † Andrew Daniel Shore
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College of Business and Management

Bachelor of Science

Accounting:

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(2nd Major: Finance)
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 Ronnit Martine Berman
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Lisa Jean Prosser
 Daniel Roy Sandstrom
 Shawn Adair Sinclair
 Richard Devon Sommers
 D'Andrea Van Kimberly
 Spriggs
 Marc Todd Steele
 Tobi Dina Stern
 Elizabeth Louise Tafoya
 Robert Charles Tarleton
 Marc Douglas Thomas
(2nd Major: Finance)
 Susan Jean Tom
 Joseph Eric Vinson
 Michael Louis Wajsgas
 Susan Elaine Webb
 Robert Henry Wehland, Jr.
 Connie René Whitaker
 † Sara Judy Wiley
 Tamara Wodarczyk
 Billy S. T. Wong
 Francis Xavier Woods
 Hari Jeevan Babu
 Yalamanchili
 Richard John Zurcher, Jr.
 Eric Marc Zwerling

Finance:

Douglas Mark Amann
 Susan Lewis Baker
 Michael Shawn Barrett
 Gregory Eugene Becker
 John Wells Blandford
 † Mary Elizabeth Bond
 Laura Angela Boughter
 David Anthony Brougher
 Thomas F. Buck
 Michael Robert Chacos
(2nd Major: Finance)
 Christopher Brian Chatten
 Bryan Jeffrey Chilton
 Norman Cohen
 James Dearien Condry, Jr.
 Michael J. Conger, Jr.
 Paul Fitzgerald Cooney
 Christine Ann Creswell
(2nd Major: Finance)
 Scott Douglas Crown
 Giuseppi Antonio Decinti
 Ronald Anthony de Feo
 Michael Louis De Grace
 Denise Anne DeJarnette
 Daniel William Demmer

John David DeSantis
 Kevin Christopher Devlin
 Debra Ann Doherty
 Lawrence Michael Epstein
 Robert Greg Ettlin
 Antonio D. Evans
 Essex Eugene Finney III
 Thomas James Foster
 * Leslie Catherine Genung
 Catherine Eve Gomezplata
 Eric Josef Gotsch
 Maria Rita Granata
 Michael Steven Greene
 Randolph Doye Hackett
 John Henry Hagegeorge
 William Daniel Hall, Jr.
 Miriam Yvette Harper
 James Edward Harvey, Jr.
 Karin Hannah Hayden
 Steven Claire Hinckley
 * James Michael Huber
(2nd Major: Marketing)
 § Laura A. Hugus
 Bruce Earl Jaccard
 Glenn F. Jaggard
 Linda K. Kilby
 David Scott Klarman
 Eric David Korvin
 Elias David LaChina
 Mu Song Lee
 Angelika Romana Leimer
 Cara Beth Levinson
 James Edward Lewis
 Mark Steven Licsko
 Rimas Tomas Liogys
 Barbara Ann Lutz
 Kevin Willis Lynch
(2nd Major: Economics)
 Gael Michael Mahoney
 Sandra Malek
 Reymundo Tizon Martinez
 § Daniel David Mayo
 § Linda Diane Moskov
 John Murray
 Nikhil Ramesh Nayak
(2nd Major: Economics)
 Misao Oldfield
 John William Pflugrad
 Daniel Sean Phelan
(2nd Major: Management Science and Statistics)
 Alton Pride, Jr.

Timothy Joseph Quinlan
Dalia Maritza Quiñones
Michael Charles Radvansky
Jeffrey Todd Raines
Steven Thomas Randolph
James Gordon Reilly
Lawrence Fredrick Riemer
Lawrence Michael
Rossomondo
Robert Sibley Schwenger,
Jr.

§ Faryar Shirzad
Joseph Charles Smith III
Augustine John Smyth
Deborah Ellen Stanton
(2nd Major: Economics)
Chor Pheng Tay
Marsha Elizabeth Turner
William Scott Van Lowe
Regina Beanca Warong
Chester Patchen White III
Eleanor Dorothy Zappone
(2nd Major: Economics)
Carol Diane Zuckerman
David Gabriel Zuckerman

**General Business
Administration:**

Joan Frances Allen
Katreah Tamar Bey
* Joanne Susan Bloom
Sally Ann Bourgeois
Anna Marie Bufo
Eva Cervenka
Myles Douglas Crew
Joseph John DiNatale, Jr.
* Wayne Andrew Diehl
Kimberly Ann Doyle
Carl Douglas Dreskler
John Brian Fitzgerald
(2nd Major: Economics)
William Andrew Foard
Gregg Derrell Freese
Plácido Sebastiano Freni
David Carl Gromen
Jeffrey John Hibbs
Robert Ernest Keen
Kenneth Gerard Keller
Martin Gerard Kelly
† Laurence Jay Laskin
Karen Ursula Lindo
Laura Jane Lippy

Lisa Jean Magruder
Charles Stanley Mays
William Francis McGarry
Norman Aloysius Norris III
David Guy Pellegrino
William Robert Richards, Jr.
Lee Michele Rosenthal
Steven Charles Siska
Cheryl Lynette Skewis
Karen Lynn Smithwick
Deborah Rachel Snyder
David Gary Stahley
Charles Edward Webster
Scott Christopher
Wlodychak
Natalie Zabavsky
James Zafirooulos

**Management Science and
Statistics:**

Christos Bettios
Brandi Victoria Chaffin
Elizabeth Ann Cruz
Christopher Steven
Davidson
* Anne Pellicciotto
Gerschefski
Jennifer Sue Horine
(2nd Major: Accounting)
Kenneth Scott Lew
Hwa Jung Liu
Herbert Christopher Malone
III
Donald Foster Miller
Paul Francis Summers III
Chee Yeong Teng
Keith Anthony Vallacchi
Dennis Edwin Webb

Marketing:

* Bruce Marc Arbit
Carl Joseph Armbruster
Michelle Diane Austin
Patrick James Bellor
Joel Craig Binder
Alan Paul Bronfein
Christopher Ronald Brown
Kimberlee Renee Brown
John Vincent Bruno, Jr.
Thomas Michael Burke
Deborah Lynn Busada
Troy Glenn Butler

Andrew Steven Cabana
Matthew James Casciano
Jon Mason Coakley
Brian Joseph Collins
Carmen Margaret Delgado
Jeanette Carol Dolan
Carol Ann Dowd
Nancy Joy Drobnis
Yvonne Dunn
Moeiz Eliassian
Paul Andrew Erskine
Dennis Thomas Facius
(2nd Major:
Transportation)

Kevin Terrence Fitzpatrick
Jennifer Ann Foster
Andrew Neil Friedheim
* Robert Dale Fulcher
Maribel Garrido
(2nd Major: Accounting)
Dionyssia F. Garyfalou
Patricia Ann Glaze
Michele Goller
Dana Lynn Gorsuch
Robin Lee Griffin
Cheryl Lynn Groff
Patricia Darlene Guenther
Joseph George Habeeb
Mary Joyce Haley
Daniel R. Harrington
Stephen James Hennessey
Robert Michael Hodak
Nancy Ann Hourigan
Donald Kenneth Hughes, Jr.
Carl Lowell James
Joseph William Janssens III
Susan Lydia Jess
Theresa Lynn Jett
Pamela Johanning
Christine Johnbrier
Janet Teresa Joyce
Kevin Adrian Kempel
Shireen Khan
Michael Burton Kline
* Kimberly Ruth Koenig
† Christine Lynn Kramer
Jerold Allen Kraus
Karen Lynn Kushner
Jacqueline Marie Lagreca
Linda J. Lizzio
John Victor Long

Alan Jay Lubash
Silvia Margarita Maceyras
James Istvan Maday
Sanjna Malhotra
§ Joan Marie Manno
Theresa Anne Marstaller
Crystal Dawn Matthews
Jeffrey Daryl Matthews
Sean Patrick McDonald
Patricia Dyane Mercado
Sheryl Turpie Muñoz
Loretta Mary Murphy
Thomas Michael Napoli
Leon Charles Nickel
Stephen Gerard Nowicki
(2nd Major: Finance)
Patricia Jean Petrone
Theresa Ann Phillips
Phyllis Joyce Pinto
Michael Joseph Pipitone
Mita Pradhan
Nicole Marie Rausa
Kent Gordon Rippey
Denise Irene Rivoal
Gene Patrick Roberts
Jill Walton Robinson
* Elliott Jon Root
(2nd Major: Economics)
Melissa E. Schatz
* Marshall Mayer Shigon
Brooke Michelle Sklar
Kevin Brian Smigel
Kenneth Ronald Smith
Richard Thomas Stahovec
David Alan Stout
Robin Joy Strier
Anthony Edward Sutherland
Arzu Yasemin Tanman
Barbara Nancy Trager
Wendy Lynn Tumminello
Dawn Lynn Van Voorhis
Mark Joseph Villani
Frances Elizabeth Woll
Vicki Beth Zweig

**Personnel and Labor
Relations:**

Foluke Abimbola Adesola
Hedy Denise Blau
Bernard Francis Breighner
III

Larry Arthur Brown
Katherine Lien Dorton
Mary Katherine Hafer
Melanie Ann Hearn
James William Henry
Judith Lisa Kay
Ian Scott Kessler
Vicky Lynn Klenz
Robin Lynn Murdock
James Bradley Myers
Henrietta Diane Norton
Stephen Todd Orsino
* Kathryn Marie Palmer
Susan Everett Pumphrey
Sheryl Lynn Serpas
William Henry Sutton, Jr.
Randy Sue Wase
§ Denise Ann Yaag

Production Management:

Jerome Linkins
(2nd Major: General Business)

Transportation:

Judi T. Chang
Peter Greene Hart
(2nd Major: Finance)
Peter Hunter Kristiansen
Pamela Ann Mooney
† Dennis Andrew Murphy
Patricia Ruth Nimmons
June Marie Quackenbush
Stanley Alan Rubinstein
Michael Wallace Sheppard
Gary Charles Trupo
Barry Howard Woolfson
Irene Xeron
(2nd Major: Economics)
Laura Elizabeth Zeichner

**College of Computer,
Mathematical and
Physical Sciences**

Bachelor of Science

Astronomy:

Christopher Stephen Koch

Computer Science:

§ Lorette Marie Aberasturi
Jerry Andre Anderson

Jeanne Marie Arcaro
Mohammad Ali Arvaneh
Christopher Lawrence Austell
David William Baker
Lawrence Adam Baker
Karen Sue Beal
Gail Elise Beckman
Robert Lionel Beliveau
Eric Weldon Bell
Vicki J. Birchfield
Stephanie A. Bird
Gracie Borzoo
Barbara Anne Brown
Mark Lee Burton
§ Denny Ding Bong Chan
† Hsiung-Fei Chen
Judy Tzu-Ying Cheng
Ravinn Chhut
Chun Lam Cho
Chang Sik Choe
Mi A. Choi
Myong Hui Chon
Joshua Mingkuang Chow
George Burns Clark
† Lawrence H. Compton
Patricia Ann Devine
John Peter DiLorenzo
Patrick John Downing
* Joelle René Dreher
Constance J. Eppich
James Mack Folsom, Jr.
Mark William Ford
Michelle Christine Francis
Jovlyn George Fraser
Donna Marie Gladhill
Robert Ernest Gladhill
Peter Christian Gough
Michael Allen Grant
§ Paul Tadashi Greenberg
LaVern Denise Greenfield
Sun Kyung Hahn
Carolyn Anne Haiber
Sung Chun Han
Mark William Hickey
Kim Hanh Dinh Hoang
Michael Robert Hund
Patsy Ann Hurst
John Martin Jacobs
Seung Eun Jeong
Suk Yong Kang

Davor Kapelina
Lorry Ann Kaskaske
Jon Broughton Kasner, Jr.
Nancy Bauernschmidt Kasner
Manesseh Joel Katz
† Seth Benjamin Katz
Anita Marie Klalo
Rajendra R. Kulkarni
Mary Michaelen Kurt
Diane Joy Lambird
Barbara Ann Lane
Laureen Lee Laughlin
§ David Joel Lawrence
Huyen Bich Le
Mark Allen Leaphart
* Chun Tak Lee
Mei-Chiu Lee
Scott Dennis Loughrey
Reza Maghsadi
Richard Gregory Marlow
Kenneth David Martin
Michael James Martin
Mathew Eapen Mathai
Efsthathios Mavrotheris
René Guillermo Miranda
Kenneth H. Naing
Frederick Alfred Najmy, Jr.
Nina Lenora Newby
Manh-Hien Ngo
Hai Phuoc Nguyen
Tam Thu Nguyen
Thanh Duy Nguyen
Maria Gay Nuskievicz
Sherreen Lynette Ogletree
Mary Russell Oleson
Hyon H. Park
Kenneth Clay Porter
Mildred Alexandra Prieto
Ralph G. Puga
Christine Marie Rafferty
Madelyn Wendy Rall
Manthripragada Padmaja Rao
David Lyle Rehbehn
David Charles Ritchie
Manpreet Kaur Riyait
Jeffrey Michael Robinson
Paul William Robinson
§ Renée Lillian Rochester
Milissa Elizabeth Rok

Nabil Jamil Saah
David Brian Sabotka
Yiman Fadia Salim
Mark Randolph Schutt
George Cameron Sellner
Charles John Shaw
Todd Steven Shope
Jagdeep Singh
(2nd Major: Economics)
Eric Dasie Smith III
Vivian Maria Smith
Sheila Ann Snyder
Gloria Hsueh-Wen Soong
Robert Benson Spears
Richard Alan Starbuck
Winny I. Sun
Martin Bruce Swank
Peter Leslie Toth
Dung Toan Trinh
Faramarz Vahdatshoar
Wayne Clarence Valentine
John Robert Vanderpool
Hung Vo
Henry H. Walbesser III
Shih-Lun Wang
Michael Aquinas Waters
§ Donna Marie West
Larry Allen Will, Jr.
Andrew Austin Wood
Chin-Chiu Wu
Jason Kyong-Min Yi
Sandy Sungjoo Yi
Sung Kun You
Elizabeth Susan Zachariah
Marc David Zlotnikoff

Geology:

Stephen Jay Cohen
Dana Maurice D'Aria
* Katherine Lynne Davis
George David Hecht
Mark Ian Jirgal
David Karl Miller
Diana Miriam Obler
Judith Faith Owens
George Alexander Sauer

Mathematics:

Grace Shan-Shan Cheng
Constance Lynn Dutton
Penny Lolita Foster

Susan Anne Groves
Paul Robert Harris
Son Kim Huynh
Jeffrey James Jorgensen
Eric Gordon Kirksey
Thao Mong Le
Paul Daniel Loftus
Elleni Letta

Mitchell C. Murphy
Joelle Ohayon
Anthony William Rogers
Kimberly Torres Salins

† Carole Ann Salter
Gary Stephen Sapperstein
Anil Kumar Sharma
Angela Mary Sigmund
Carl Austin Snyder
Dominik Thomas Uznanski
† Leroy Anthony Woods

Physical Sciences:

Mary Lynn Balash
Eugene Joseph Barrett
Martin William Gerich
David F. Jones
Terrence Carroll Roop
William Blair Thurmond, Jr.
Richard Guy Tobasco

Physics:

Sakun Jason Jung
Andrew Robert Korb
John Richard Lee
§ Kanwal Gurbax Singh

College of Education

Bachelor of Arts

Art Education:

Angela White Harker
Penny S. G. Jacoby
Lisa Emilie Kahn
Louise Duprè Runion
Rebecca Ann Sullivan

English Education:

Angela Denise Johnson

Foreign Language Education:

Margaret Ellen Burris
Christina Irene Cammack
Karen M. Pokoyk

Library Science Education:

Dwayne Francis Lindsay

Social Studies Education:

Rudolph William Bauss
Philip George Herner
Michael Philip Rosenthal
Thomas Mead Saunders

Speech Education:

Colette Suzanne Owens

Bachelor of Science

Art Education:

Elizabeth Louise Barillaro
Kathleen Annette
Bendowsky
Marcy Sue Brightman
Sheryl Anne Courtney
Lee Anne LeDoyen

Early Childhood Education:

Susanne Britton Angle
Melanie Lynn Disney
Marjory Denise Godbout
Maureen Christine McMahon
Jeannette Eileen Rivenbark
Karen Marie Toepfer

Elementary Education:

Jeanine Carey Arnsmeier
Christine Beverly Ball
Ellen Debra Bangel
Lori Jean Beasley
Stacey Ann Beitel
Margaret Mary Blacker
Theresa Marie Bradburn
Maria Christine Burgee
Christine Marie Carson
Nancy Dansky
Gail Marie DeIGreco
Catherine Rhett Dooley
Rebecca Pierce Eldredge
Sarah Ann Fitzgerald
Joan Yvonne Friend
Michele Susan Garfinkle
Steven Michael Hirsch
Rolesa Ruth Holman

Patrice Marie Howard
Leanna Kay Jeo
Tammy Beth Lawrence
Frances Levenstein
Steven James Lewis
Mary Elizabeth Linder
Colleen Mary McAskill
Julia Anne McDonald
Megan Jean McGann
Timothy Alan Montgomery
Marcella Ruth Murphy
Jill Ellen Nicholas
Lynda Marie Nossick
Lisa Michelle Rozman
Evangeline Chris Samaras
Lori Rose Sclar
Tamera Addenbrook Sherr
Alane Wendy Spaulding
Trudie Ann Toussaint
Susan Elizabeth Valentine
MariaLourdes de Dios
Viernes
Terry Lee Volmer
Sharon L. Walker
Barbara Ann Wilhelm
Linda Rae Wittig

General Business Education:

Betty Baldwin Barney

Home Economics Education:

† Sarah Woolley Beacom

Industrial Technology Education:

Lawrence Joseph Brauch
Mitchell Louis Coccia
Steven Patrick Daly
Kenneth Alan Delaney
Bruce David Griffin
Sean Patrick Harmon
Barry Lee Howard
Gregory Paul Hughes
Robert Paul Lamolinara
Aaron Joseph Lewis
Christina Marie Lofaro
Jill Ann Massal
John H. Michel
Philip Loring Paquin, Jr.
David Stuart Purcell
Carl A. Tucker
Charles Christian Veres

Mark J. Williams
Linda Suzanne Zubeck

Mathematics Education:

Mary Ann Sodano

Music Education:

Thomas Alan Young

Science Education:

David Elliot Boyarsky
Janice Louise Doherty
Lisa Louise Harrison
John William Leader
Sahfeyah Ezzat Talaat
Robert Tucci

Secretarial Education:

Ruth R. Cramer

Social Studies Education:

Robert Carl Ahlstrom
Virginia Lee Cooper
Joseph Patrick DuBoyce

College of Engineering

Bachelor of Science in Aerospace Engineering

Timothy Adam Andryszak
Carlos Alberto Ariza
William Joseph Briggs
David Edward Canter
Randolph Kemper Cline
Michael Joseph Colony
Donald Glenn Cuppett
Robert Evan Edgin
Steven Edmund Euerle
Michael Alfred Fallavollita
Debra Rae Friedrick
Kevin Robert Gillen
Aaditya Goswami
Herbert Stephen Graham
Anis Hanif
Daniel Evan Hanson
Brian Thomas Hawks
Alexander Lee Holder
Paul George Kahl, Jr.
Shahid Mushtaq Khan
Kenneth Lawrence Kueny
Antonio Santiago Llanos
James Frank Mullen
Amy Leigh Murphy

William Thomas Newbill
Lisa Jane Pfanneschlag
William Robert Sauerwald
Ingrid Ann Schweers
Nicholas Edward Seidel
Mylene Dale Sluyter
Clayton Arthur Smith
Simon Peter Howard Smith
Vicki J. van Duyl
Kathleen Claire Walsh
Reginald Guy Williams
Donald Stuart Young

Bachelor of Science in Agricultural Engineering

Andrew Lewis McCrackin
Brett Loren Morris
Ward Landis Oberholtzer
William Paul Seiger

Bachelor of Science in Chemical Engineering

* Yvonne Lynette Althouse
Wilmer Scott Du Bree III
Jacqueline Taylor Kelly
Brian Kenneth Littleton
Long Xuan Ngo
Terri Alayne Towers
Trieu The Truong
John Michael West

Bachelor of Science in Civil Engineering

Lois Feldman Bayless
Andrew Michael Cary
Joel Vincent Caudill
YouWei Chang
Aaron Zachary Chanowitz
Brian Paul Considine
Florentino Manuel Gregorio
Gerhard Michael Groeger
Jay Donald Hergenroeder
Kirk Francis Hobson-Garcia
Edward Reginald Hood
Lynne Kathryn Hooker
Timothy Luke Kassir
Russell Edward Marsh
Michael Barrett McNeil
Mehrddad Naderimoshaei
Stephen Keith Nolan
Gerald Anthony Placek

Egidio Rossano
David Edward Schuster
Ann Marie Semeniuk
David John Sulerzyski
Jerome Edward Tolodziecki
Donald Joseph Weaver
James Morrison Wilson III

Bachelor of Science in Electrical Engineering

Shahryar Arvin
Stephen Andrew Asch
Marwan Issa Bannourah
Michael Eric Barbaza
Richard Baldwin Barclay
Jonathan James Barrow
* John David Bartusek
Charles G. Benevento
David Robin Bergstein
Eytan Meir Berman
Gary Maynard Boardley, Jr.
Tammy Marie Borkowski
John Daniel Brandon
Thomas Michael Buchanan
Dung Quang Bui
Mary Elizabeth Bulkley
Matthew James Butcher
Lisa Johanna Ceder
Kwan Y. Cheung
Chun Lam Cho
Yong Kwan Choi
Peter Chivan Chu
Russell Alan Davidson
Walter Edward Davis, Jr.
Joseph Michael Dedrick
Roberto Sapanhila de
Ocampo
Swati Desai
Diogenes Fune Dichoso
Gabriele Else Distler
Deborah Grace Dohmeier
William George Doyen
Paula Sue DuFour
Janet Lynn Edghill
John Martin Edwards
Bryan Anthony Fafaul
Ernest Brian Falcone
Robert Dale Flickner
David A. Friese
Leon Kelven Fuller
John Thomson Fusting

Gregg Henry Gabrilska
Christina Eleni Georgatsos
Theodore William Gordon
Joseph John Gorski
Dean Gregory Goutos
Mark Allan Graves
Robert Anthony Graziano
Daniel Mark Hall
* Samuel Edward Hawkins III
Jennifer Lynn Helton
Robert Carroll Herr
Susan Bell Hewins
Scott Allen Hilterbrick
Charles Anthony Jewett
Jeffrey James Johnson
Min Jung
William David Kafig
Michael Scott Ketchem
Ali Reza Khaighadam
Dheeraj Khara
Katherine Colleen Kissh
Eric John Kominski
* So Lung Kong
Jeffrey Arnold Krause
Michael Joseph Kreft
Hoshik Kwon
Phi B. Lam
† Phuong Nhat Lam
Quyen Quang Le
Thao Mong Le
Fong Kuen Lee
§ James Charles Lee
Elleni Letta
Lawrence Owen Liberman
Zong-Ci Liu
John Edward Lloyd
Paul Ashby Loomis III
Margaret Mary Lord
Christine Louise Lounsbury
Brian Patrick Ludden
Michael Karl Lukas
Rodney William Lustan
* Canh Ly
† Sze-Chung Mak
William Micah Markowitz
§ David Louis Mazzoni
Donald John McGettigan
Susan Eckhart McNeil
Theresa Victoria Meath
* Gary Seth Meyers
Hamed Saghatchi
Moghaddam

§ Kevin Thomas Moore
† Amy Pauline Morrison
Lisa Gail Morton
Douglas B. Newman
† Diep Thuy Ngo
Nina Ngo
Camvan Thi Nguyen
Oanhtho Thi Nguyen
(2nd Major: Mathematics)
Jeffrey Robert Nickel
Songthareth S. Omkar
Eugene Gerard Paolino
Kenneth David Parrish
Rajen Lallubhai Patel
William Todd Patton
William Hanley Payne, Jr.
George Joseph Pelikan
George Charles Petts
Hien Minh Phan
Lee John Phelps
Michael Polgreen
Carol Ann Politi
William Myers Powell
Samuel Alexander
Rabinovich
Victor Viesturs Ratermanis
Vanessa Dawn Reed
Michael Joseph Rekus
George Raymond Ritmiller
III
John Charles Rodgers
Heidi Maria Rothstein
Pete Roumeliotis
Angela Maria Rumi
Stephen Matthew Sacker
* Carole Ann Salter
Frederick Ngosi Samuels
Kevin Lee Sands
Hasan Erdal Sarper
Lauren Susan Schaake
Yvonne Shapard Schaefer
Michael Brian Schneider
Carolina Schwegler
David Brenise Sears
Khaled Shami
Payam F. Sharifi
George Shawki Shiblee
Franklin Carroll Smith
† Lawrence Brian Speckler
Brenda Page Sperbeck
Joseph Bronislaw Szczesny

Ali Reza Tabassi
(2nd Major: Mathematics)
 Vikrant Tannan
 Jonathan McKay Terrell
 Dan That Ton
 Vincent Lee Tong
 John Rogers Touart
 Thien Fuong Tran
 Anthony Y. Tse
 Thanh Ngoc Van
 J. Timothy Van Sant
 David Reid Via
 Kenneth Louis Vidmar
 Charles Matthias Vorsteg
 Karen Leslie Watkins
 Robert David Weed
 Jeffrey Scott Weir
 David Michael Welch
 John Alan Wells
 John Melville Wille
 Randall Scott Winchester
 Thomas Kleiner Winkert
 Estefanos Woldemariam
 Brian Keith Wright
 Chen Zhou

Bachelor of Science in Fire Protection Engineering

William Charles Aceto
 David Watson Clark
 Edward Abbott Connell III
 William F. Coutts
 John August Denhardt
 David Theodore Edelmann
 Robert Russell Haney
 Ivan Jay Humberson
 Kenneth Edward Isman
 Keith Hamilton Powell
 Glen Saraduke
 Charles Lester Shew, Jr.
 Michael B. Stevens
 Sarah Elizabeth Strasser
 Robert John Tabet
 Robert Louis Vettori
 Frank Michael Zakowski

Bachelor of Science in Mechanical Engineering

Anuphot Bamrungtrakun

Thomas Jay Bodine
 Michael Andrew Brantley
 • Byron Todd Brezina
 James Robert Brown
 • James Lee Brun
 • Terri Lynn Burinsky
 Dennis A. Campbell
 Michael Mutsumi Canaday
 Kevin Cavanaugh
 Stephen Choi
 Brian Edward Coker
 Elizabeth Catherine Cooke
 Richard Joseph Cronin
 Kenneth Robert Crowley
 § Robert Wesley Cutlip
 Gregory Lee Daily
 Richard T. DeFelice
 Bernice Dill
 Michael Walter Enderlein
 John Warren Fairbanks, Jr.
 Warren Keith Foster
 Kenneth Brodie Frank
 * John Peter Fuchs
 Mark Benjamin Goble
 Gregory Michael Guthrie
 Thomas Patrick Hamill, Jr.
 § Robin Elizabeth Hamilton
 Charles Hillary Harris
 Mark Edward Hooker
 Daniel Cory Hudson
 Suk B. Kang
 James Nicholas Kiladis
 Ronald Lynn Kimble
 Michael Ross Kistler
 Gary Paul LaFontaine, Jr.
 Paul Lafayette Lanthier, Jr.
 Keith Alan Latham
 Roger Christopher Link
 John Charles Lugmayer
 Wallace Bennet Lum
 Joseph Frederick Mackes
 Modisana Z. Malepe
 John Francis Meier
 Mark MacFalls Miller
 * Louis Nicholis Molino
 Ramona Ohri
 William Bernard Owings
 Edward Arthur Packard
 Richard Edgar Percy
 Robert Glenn Peranich
 Anthony Thomas Pezza, Jr.
 John Thomas Phillips

Reynaldo José Quintana
 Robert Neil Renner
 Jeffrey Scott Robertson
 Joseph Gerald Roche
 Douglas Scott Rowand
 Matthew Paul Sadowski
 Marcelo De Zito Salles
 Christopher Paul Sanford
 John Joseph Schreiber, Jr.
 Robert Louis Schwartz
 Kevin John Seicke
 Penny Campbell Simpson
 Richard Guy Skinner, Jr.
 John Douglas Smith
 Rene Largoza Sorra
 † Cheryl Lynn Sullins
 Richard Larry Summers
 Jasper Allen Swim
 Colin S. Taitt
 Arman Tanman
 Christopher John Tinto
 Brian Lee Tussing
 Norman Lee Van Rensselaer
 Gary Wechsler
 Michael Craig Whitman
 John Theodore Wigand
 John Ronald Williams
 Scott Gillian Wolfe
 John Michael Yancone

Bachelor of Science

Undesignated Major:

Marie Anne Danner
 David J. Roseman

College of Human Ecology

Bachelor of Science

Apparel Design:

Emily Anne Hartman
 Julie Lynn Hendricks

Community Nutrition:

Franca Bossi

Consumer Economics:

Ann Margaret Akers
 Maureen Patricia Dillon

Costume Design:

Patrishia Davis-Wack

Dietetics:

Sharon R. Bernard
 Christine Lynn Calomeris
 • Mary Laurel Cutlip
 Rosemary González
 Patricia Crowley Guay
 Tracey Ann Higgins
 Elizabeth Jean Saffran
 † Rhonda Stanerson Sebastian

Family Studies:

Patricia Ann Duchesne
 Jennifer L. Felman
 Darnese Renee Ferguson
 Virginia M. Harasti
 Susan Ellen Hart
 Tri Asraini Mamoer
 Diane Lee Markowitz
 Lois Ann Movshin
 Christine Anne Norris
 Joan Alice Odorow
 † Patricia Ann Smith
 Margaret Anne Lillis Sugar
 Gwyn A. Tash
 Leigh Anne Wratten

Institution Administration:

Brian James Beiter
 Andrea Mary Ciccone
 † Hai Yan Wu

Management and Consumer Studies:

Stephen Charles Brown
 • Kathryn Marie Centra
 Cynthia Marie Crosby
 Joan Javier Dickson
 Gayle Lynn Grass
 Donna Lynn Kaplan
 Karen Denise Pichney
 Ronna Shari Rosoff

Nutrition Research:

Cynthia Marie Buckner
 Carol Virginia Cope
 Joanne Marie Germain
 David Lawrence Peritt

Textile Marketing/Fashion Merchandising:

Marilyn Ivy Berman

Jacqueline Marie Burgess
Cynthia Marie Camus
Mark Anthony Garrison
Natalia Maria Gouveia
Sheryl Jacquelyn Greenberg
Leslie Ann Harris
Patricia A. Harvey
Shara Anne Humphries
Grace A. La Forgia
Teresa Diane Lloyd
Catherine Judith Manley
Donna Jean McKenzie
Despena Notara
Lisa Beth Schnee
Donna Keiko Tsunoda
Pamela Renee Wong
Sharon Ida Zemil

Textile Science:

Delisa Rose Flowers
Troy A. Pepper

College of Journalism

Bachelor of Science

Kimberley Shareese Adams
Dirk Lee Allen
Lise Ribeiro Alves
* Elizabeth Allyn Ashton
Alicia Michele Benjamin
Robert Jonathan Bennett
Karin Anne Berzins
* Scott Andrew Betler
(*2nd Major: Economics*)
Daniel Joseph Beyer
Sandra Marie Burt
Diane Laura Callis
Donald Louis Carter
Alicia Helaine Chapman
Constance Patricia Charles
Christine Marie Chatham
Lawrence Scott Chernack
Jean Jiwon Choe
Shari Jill Cohen
Shyrl Ann Coker
* Brian Lindsay Daly
Robert Kevin Davisson
Michael R. Donkis
Munira Osman Egal
† Christopher Scott Ender
Hazel June Fox
Mark Ira Ginsberg

Rachelle Goldstein
Steven Adam Goldstein
Gary Bernard Graves
Jill Anne Gruber
Alison Lee Hancock
Elyse Faith Hartman
* Joanne Michele Hellebrand
Michael Alan Herbert
Bruce Alan Herzig
Christiann Hoddinott
Alfred Robert Hogan
Kimberly Anne Hook
Terry-Frances Jefferson
Steven Henry Kalman
Victoria Wen-Hwei Kao
Karen R. Kartzman
Stephen Roger Kay
Beth Michelle Kemper
Karen Ellen Kenner
Vickie Lee Kite
Vincent Eric Latchford
Margot Levin
Lisa Beth Lincoln
Krista Linnæe Lininger
Mary E. Longa
Teresa Jeanette Lyles
Carol A. MacLeod
Kelly O'Brien Maratta
* Andrew Steven Markowitz
† Deven Claire McGraw
Marie Elena Mellis
Renee Tina Mellis
Kathryn Jean Mentall
Nancy Yoshiko Miyahira
Robert Joseph Mosier
Marianna Murota
Dan Franklin Noyes
Scott Allen O'Dell
Maryann Pafitis
Esther Samayla Proctor
Andrew Warren Reed
Shyleen Robinson
Eleanor Mary Sandler
§ Betty Carol Scott
Douglas Edward Sewell
Maureen Louise Shields
* Dana Lynn Shimoda
Cynthia Anne Shiner
† Laurie Ann Shuster
Kristina Marie Siomkajlo
Tracey Ann Smith
Linda G. Soper

Mary Ann Spiro
Keith Robert St. Clair
Andrew Jackson Steele, Jr.
David Andrew Super
Paige Duncan Swanson
Jane Marie Talbert
Cynthia Trudel Turner
Michael Francis Wells
Stacey Lashawn Williams
Vanessa Elaine Williams
Jacqueline Marie Wolny
Montgomery Fitzgerald
Wood
Lynne Patricia Woodfork
Madelyn Irene Woods
Valerie Katherine Wrona
Amy Elizabeth Young
Jamie Beth Young

College of Life Sciences

Bachelor of Science

Biochemistry:

Paul Enique Ayarza
Elisa Maria-Theresa
DeGuzman
Kim Marie Heilman
Kathleen Laurel Imlay
Robin Koo
Kenneth Salvator Rotondi
Kory Lynne Williams

Botany:

Marjorie Barrett Knowles

Chemistry:

Fatima Abugideiri
Todd Stevens Beal
Letitia Michelle Deas
Quynh Hoang
Robert Scott Lillard
Vivian Monique McKoy
Soon-Duk Park
Samir Hussien Shaban
Stephen Albert Simpson
Donna Kaye Smith
Paul Alan Stokley
Brian Steven Weekley
Natanael Wijaya

Entomology:

Timothy David Zastrow

General Biological Sciences:

Robert John Danaher
Todd Steven Erlandson
* Teresa Gertrude Felver
Sandra Jean Frain
Miguel Malheiro Garcia
Steven Ira Glassband
Diane Rosalie Juras
Elizabeth Mary Linstrom
Julie Ann Mergerian
Roger Lewis Naylor
Tamara Ann Pumphrey
Lewis G. Rainone, Jr.
* Helen Marie Shade
William J. Skowronski
Kenneth Anthony Songy, Jr.
Annie Chem Tran
Nga Thu Tran

Microbiology:

Clement Vincent Adams II
Janet Rebecca Allen
Michael Lynn Ault
Christopher Coker
Patricia Ann Conley
Allan John Daniel
Mae Lynn Deynes
John Roderic Ellison
Cheryl Susan Gardner
Wayne Byron Hardy
Wayne Karl Knoll, Jr.
Ann Louise Levri
Sherry Ann Lundholm
Brenda Bernice Phillips
Gregory Scott Phillips
Steven John Tierney

Zoology:

Peter C. Byrne
§ Nancy Ellen Carl
Mark Anthony Donaghy
Wynelle S. Gibson
Susan Ellen Izard
Thomas Anthony Kolf
John Joseph Oidtman
Mario Alonso Ramirez
Maria Teresa Riddlespurger
Donald Avram Saroff
Jean Margaret Schuerholz
Sharlyn Ollette Turner
Nimish Bhanu Vyas

**College of Physical
Education, Recreation
and Health**

Bachelor of Science

Health Education:

Sheila Lynn Hoeck

Kinesiological Sciences:

Laura A. Beal
Victor Lee Bradford
Ann Marie Buysse
Tina Marie Carlisle
Cathleen Susan Cramer
Alfred Wayne Daniels
Kathleen A. Donelan
Daniel King Eilertsen
Michele Patricia Fetter
Mary E. Flynn
Kellie Ann Foster
Nelson Spalding Greene
* Elisabeth Rood Hayes
James Albert Kasoff
Angela Elaine Lewis
Christine Mary Lewis
Julie Lynn Metzler
Mark Dale Mundy
Marianne Pechnik
Edmund Francis Ryan
Wendy Lynette Savage
Cindy Anne Sellers
Michelle Elaine Shuman
Kirstin Disa Steinhart
Kevin Francis Uhler
Scott Rawlings Werber
† Kim Mary Zubrinic

Physical Education:

Catherine Teresa Cardillo
Sharlene Linette Long
* Mary Christine Morgan
Brenda Barbara Perusse
Eric Charles Stocky

Recreation:

Valerie Ann Fitzpatrick
Alicia Barrie McGuckian
Peter Foster McGunigle
Kelly Renee Schaeffer
Kira Lee Sekulow
Nancy Kay Wilkins
Lisa Valentina Williams

Mary Katharine
Wohlgemuth

Undergraduate Studies

Bachelor of Arts

Individual Studies:

Mary Ellen Doherty
Lisa Joan Finkle
Daniel Brent Hyde Garrison
Charles Andrew Hill
Charles Frederick Stephen
Kuttner
Kelly Jean Schoen
Bryan Keith Whittington

General Studies:

Therese E. Abblett
Steven Andrew Abramowitz
Carla Rose Arban
Christine Ann Bahner
Carol Ann Baird
Kenneth Craig Baron
Audrey Anne Bartley
Donald Jeffery Baxter
† Christopher John Beattie
Samuel Jay Bergman
Kenneth D. Berkman
Susan Anne Boehle
Steven Edward Brecher
* Laurianne Brickner
Richard L. Brot
Kathy Lynn Brown
Diana Kay Burkhalter
Michael Ledwith Burrey
Ernest Rocco Cavallaro
† Hilda Martha Chacon
Edward Arthur Chapman
Kyung H. Cho
Bruce S. Chu
Roy Terrence Chung
Lisa Camille Claps
Diane Wolman Cohen
Michelle Nicole Countee
Josette Elizabeth Creighton
Alan Scott Culver
Amy Joy Cutler
Pamela Beall Davis
Dorothea Nanette Dudek
Kurt Matthew Dutton
Thomas H. Eigelsbach
James Allen Evans, Jr.

Michelle Louise Fales
Catalina Aparisi Ferrari
Wesley Lane Fleming
Howard Bruce Foer
Martin Jerome Freeman
Jordan Marc Friedman
Bruce Joel Glazer
David William Goodacre
Leonard R. Gordon
Stacie Eilene Gordon
Jeffrey Scott Grado
Christopher James Grant
Jonathan Francis Harding
Honoré Dorie Hastings
Jodi Sue Haught
Jim Stephen Hawk
* Marjorie Jill Heller
Laura Janet Henderson
Lisa Jane Henneman
Julie Lyn Hennick
Tracy A. Henshaw
Gwen Marla Hirsch
Marcia Lalyce Housen
† Vera Anita Sellers Howse
Allison Huyett
Robin Lynn Isquith
Marie Charlotte Nicolas
Jeune
Brinda Anne Johnson
Glenn A. Katz
Mindy Klein
Jeffrey Scott Kornfeld
Laura Jean Kurie
Lauren Paige Landau
Alan Lang
Eunice Yun Kyong Lee
Heh-Ja Joanne Lee
Leslie Carol Levy
Deborah L. Lewis
Stanley B. Lindner
Ann Madeleine Lipscomb
Daniel Patrick Mangan
Deborah Alicia Mantilla
Marguerite Joan Mazzitti
Thomas J. McDonough
Lisanne Marie McElwee
William Giles McGuire
Bruce M. Mesner
Eric Brian Mitchell
Ruby Ann Moy
Sandra Louise Mullenhoff
Nancy Ann Murray

Jeffrey Lee Nelson
James Austin O'Brien
§ John Henry O'Brien, Jr.
Robert Wertz Ogle III
Carlos Rafael Osorio
Jennifer Lynn Parr
David Scott Pasquito
James M. Paxton
Laura Elizabeth Penland
Donna Marie Perrini
Susan Hunt-Holly Peverley
David Lloyd Pierce
Hilary Ann Pierce
Maureen Ann Raftery
Jacques Benezet J. Read,
Jr.
Tracy Ann Reed
Juliet Floreta Reeves
Yehuda M. Rice
John Francis Roberts
Paul Joseph Roberts
Brenda Rogovin
Seth Andrew Rosen
Gary Jay Rudden
Barbara M. Sanchez
Sandra Ellen Scher
Heidi Schwartz
Lynn Kirsten Schwartz
Stewart J. Schwartz
Phillip Nelsen Scott
Frederick Glenn
Shaneybrook
Mark S. Shapiro
Mary Teresa Shaughnessy
David Uk Shin
Donald Thomas Snyder
Young S. Song
Lisa Margaret Steel
Brian Scott Stuckelman
Caren Janet Thaler
* Douglas Jorge Thomas
Peter Dustin Thomas
Monique Lisé Thompson
Emma Jane Travis
Douglas Frederick Trettin
Elizabeth Anne Tygett
† Catherine J. Virzi
Susan Beth Wahrhaftig
Elizabeth Anice Walker
Lisa B. Walker
Christine Marie Ward
Pamela Mae Webster

* Deborah Michelle Weissman
Rene James Wetherell
Susan Deborah Woolf
Thomas Henry Worpell
Anthony James Wyvill
Lori Alyse Zucker

Bachelor of Science

Individual Studies:

Mitchell Alan Aronson
Michael Steven Catlett
§ Theresa Ann Cunningham
Maura Frances DeDominicis
Allen Bradley McGuckian
Ellen Beth Davidson St.
Aubin

CERTIFICATE IN EAST ASIAN STUDIES

Arlen Lyle Busch

COMMISSIONS

Second Lieutenants U.S. Air Force Reserves

Edward Bruce Brown, Jr.
Darren Patrick Gibbs
Alexander Lee Holder
Kenneth Lawrence Kueny
Richard Edgar Percy
Ingrid Ann Schweers
Richard Guy Tobasco



Scholarship Honors

Bachelor's degree candidates who have qualified for scholarship honors upon graduation are designated by appropriate symbols adjacent to their names within the alphabetical listings of colleges or schools.

To be eligible for consideration for such honors a candidate must meet the following general criteria: (1) have completed at least two years of work at The University of Maryland (60 semester hours, 30 of which were earned at the College Park Campus) and (2) have a scholastic average of B (grade point average of 3.000) or higher in University of Maryland work prior to the last semester of registration before award of degree.

August and December 1986 candidates who have met these criteria are shown in the listings as qualifying, upon graduation, for the designations *Summa cum Laude* (if they ranked in the top two percent of the candidates in their respective colleges or schools), *Magna cum Laude* (if in the next three percent), or *cum Laude* (if in the next five percent), based on the grade point averages of students in the preceding three graduating classes of their degree-granting unit.

General Honors Program

With General Honors

William Earl Boyer***
Chee Sju Chia**
Mark E. Chorvinsky***
Beth Michelle Kemper
Gary Seth Meyers
Rachel Teresa Sengers**
Maureen Louise Shields
Lawrence Brian Speckler

Departmental Honors

With High Honors in Government and Politics

Ralph Roy Merritt**
Thomas Craig Woodrow

With Honors in Botany

Nicholas Brendan Duck**

With Honors in Computer Science

Marc Howard Levy**

With Honors in Criminology

Samuel E. Bramhall***

With Honors in Economics

Charles Gerard Hiep
Jonna McArtor Strong
Gretchen Cope Weinbach

With Honors in History

Cathy Elvira Fox***

With Honors in Physics

Kanwal Gurbax Singh

With Honors in Psychology

Sharon Lynn Epstein
Susan Kathryn McCaa***

With Honors in Zoology

Avrim Brett Fishkind***
Theodore Llana III**
Sangeeta Pati**
Peter Aegan Tromba**
Allen Yat-Cheung Tsui**

**Graduated May 27, 1986

***Graduated August 25, 1986



