COMMENCEMENT
Congratulations to Members of the Class of 2012 on this Very Special Occasion.
Order of Exercises

PROCESSIONAL

PRESENTATION OF THE COLORS
UNIVERSITY OF DELAWARE AIR FORCE ROTC

NATIONAL ANTHEM
KEITH SCHWARTZ
MEMBER OF THE CLASS OF 2012

PRESIDENT’S REMARKS
PATRICK T. HARKER
PRESIDENT OF THE UNIVERSITY OF DELAWARE

PRESENTATION OF HONORARY DEGREES
A. GILCHRIST SPARKS III
CHAIRMAN OF THE BOARD OF TRUSTEES

INTRODUCTION OF COMMENCEMENT SPEAKER
THOMAS M. APPLE, ’82PH.D.
PROVOST

ADDRESS
SOLEDAD O’BRIEN

RECOGNITION OF THE GRADUATING SENIORS
WITH THE HIGHEST CUMULATIVE GRADE INDEX
PROVOST APPLE

GREETINGS FROM THE FACULTY
SHELDON POLLACK, J.D.
PRESIDENT-ELECT, UNIVERSITY FACULTY SENATE

CONFERRING OF DEGREES
MR. SPARKS
AND
DR. HARKER

Degrees are conferred en masse to all candidates. Degree candidates receive individual recognition at their college and departmental convocation ceremonies.

PRESENTATION OF THE SENIOR CLASS GIFT
KEVIN COLLINS AND CHRISTOPHER McELWEE
CO-CHAIRS OF THE 2012 SENIOR CLASS GIFT COMMITTEE

GREETINGS AND INDUCTION CEREMONY
DARELLE LAKE RIABOV ’73
PRESIDENT, UNIVERSITY OF DELAWARE ALUMNI ASSOCIATION

CLOSING REMARKS
DR. HARKER

SINGING OF THE ALMA MATER
AS SUNG BY SENIOR MEMBERS OF THE UNIVERSITY’S
A CAPPELLA SINGING GROUPS AND THE UNIVERSITY CHORALE

RECESSIONAL

The audience is requested to remain seated until after the recession of the Platform Group and graduates.
Commencement Speaker

Soledad O’Brien is the anchor for CNN morning show Starting Point with Soledad O’Brien and special correspondent for CNN/U.S. Since joining the network in 2003, O’Brien has reported breaking news from around the globe and has produced award-winning, record-breaking and critically acclaimed documentaries on the most important stories facing the world today. She also covers political news as part of CNN’s “Best Political Team on Television.” In 2010, she wrote a critically-acclaimed memoir The Next Big Story: My Journey Through the Land of Possibilities, which chronicles her biggest reporting moments and how her upbringing and background have influenced these experiences.

In 2009, Soledad reported for Latino in America, a wide-ranging look at Latinos living in this country; how they’re reshaping America and how America is reshaping them. Prior, O’Brien reported for “Black in America 2,” a four-hour documentary focusing on successful community leaders who are improving the lives of African-Americans. O’Brien’s reporting for Black in America in 2008 revealed the state of Black America 40 years after the assassination of Dr. Martin Luther King Jr. She has also reported for the CNN documentary “Words That Changed a Nation,” featuring a never-before-seen look at Dr. King’s private writings and notes, and investigated his assassination in “Eyewitness to Murder: The King Assassination.” Her “Children of the Storm” project and “One Crime at a Time” documentary demonstrate O’Brien’s continued commitment to covering stories out of New Orleans.

O’Brien joined CNN as the co-anchor of the network’s flagship morning program, American Morning, and distinguished herself by reporting from the scene on the transformational stories that broke on her watch. For CNN’s Katrina coverage, O’Brien’s reports on the storm’s impact included an in-depth interview with former FEMA chief Michael Brown. She also covered the Japan earthquake and tsunami in 2011, London terrorism attacks in July 2005, and in December 2004, she was among a handful of CNN anchors sent to Thailand to cover the disaster and aftermath of the tsunami.

In 2011, Soledad won her first Emmy for “Crisis in Haiti” (Anderson Cooper 360) in the category of Outstanding Live Coverage of a Current News Story – Long Form. O’Brien was part of the coverage teams that earned CNN a George Foster Peabody award for its BP oil spill and Katrina coverage and an Alfred I. duPont Award for its coverage of the Southeast Asia tsunami. The National Association of Black Journalists named O’Brien the Journalist of the Year and Edward R. Murrow Awards lauded her with the RTDNA/UNITY award for Latino in America in 2010.


Soledad O’Brien is a graduate of Harvard University and currently lives with her husband and four children in Manhattan.

Alma Mater

Hail to thee proud Delaware,
In loyalty we stand.

We give thee thanks for glorious days
Beneath thy guiding hand.

Full often will we praise thy name,
Thy colors proudly bear;

We lift our voices now to sing
All hail to Delaware.

Lyrics by Robert Currie; Music by A.J. Loudis
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Attendance at the University’s Commencement is voluntary. This program, therefore, lists the names of all of those candidates who are eligible to participate in this Commencement, nor just those attending the ceremony. Because the printing of the program was completed before the final certification of grades, the graduation honors listed herein are tentative and are based on the cumulative grade-point average after the conclusion of the candidate’s next-to-last semester.

Final honors for graduates will be determined after final grade-point averages have been calculated. The top one percent of the candidates of each undergraduate college’s graduating class will graduate summa cum laude. The next four percent of the candidates of each undergraduate college’s graduating class will graduate magna cum laude. The next highest eight percent of the candidates of each undergraduate college’s graduating class will graduate cum laude.

The appearance of a name in this program is not necessarily a valid indication of graduation or of honors. The diploma of the University and an official transcript provide authentic testimony to the conferring of a degree.
THE BOARD OF TRUSTEES

EX-OFFICIO MEMBERS

JACK A. MARKELL, GOVERNOR OF THE STATE OF DELAWARE

TERI QUINN GRAY, PRESIDENT, STATE BOARD OF EDUCATION

WILLIAM H. NARVEL JR., MASTER OF THE STATE GRANGE

PATRICK T. HARKER, PRESIDENT OF THE UNIVERSITY

ELECTED AND APPOINTED MEMBERS

TONY ALLEN ’93, ’01PH.D.
GRACE E. BENNETT ’11
JAMES C. BOREL
THOMAS J. BURNS ’74
IRWIN G. BURTON III
R.R.M. CARPENTER III
ALLISON BURRIS CASTELLANOS
WILLIAM B. CHANDLER III ’73
JOHN R. COCHRAN
HOWARD E. COSGROVE ’70M
ROBERT A. FISCHER JR. ’70
MICHAEL S. GELTZEILER ’80
STUART M. GRANT
T. HENLEY GRAVES ’70
SCOTT A. GREEN ’77
TERI KELLY ’83
DENNIS E. KLIMA
CAREY M. KOPENHAVER ’94
CYNTHIA PRIMO MARTIN ’69, ’71M
CHRISTOPHER H. SCHELL
A. GILCHRIST SPARKS III
EVERETT C. TOOMEY
H. WESLEY TOWERS JR. ’64
P. COLEMAN TOWNSEND JR. ’69
SHERMAN L. TOWNSEND
JOHN E. WALLACE JR. ’64
KENNETH C. WHITNEY ’80
MARY JANE WILLIS

HONORARY COUNSELOR

ANDREW B. KIRKPATRICK JR.

TRUSTEES EMERITI

WERNER C. BROWN
ROBERT W. GORE ’59, ’10SC.D.
SALLY H. HIGGINS ’48, ’72M.ED.
ROBERT F. RIDER

ADMINISTRATIVE OFFICERS

PATRICK T. HARKER .............................................................................................................. President
THOMAS M. APPLE ’82PH.D. ................................................................. Executive Vice President and University Treasurer
SCOTT R. DOUGLASS ’73, ’76M ....................................................... Vice President and University Treasurer
MARGARET L. ANDERSEN .............................................................. Executive Director, President’s Diversity Initiative
MARK A. BARTEAU ...................................................................................... Senior Vice Provost, Research and Strategic Initiatives
NANCY BRICKHOUSE .............................................................................. Deputy Provost
DAVID L. BROND ........................................................................... Vice President for Communications and Marketing
SUSAN BRYNTESON .............................................................. Vice Provost and May Morris Director of Libraries
JENNIFER W. DAVIS .............................................................................. Vice President for Finance and Administration
MICHAEL A. GILBERT .............................................................................. Vice President for Student Life
PIERRE D. HAYWARD .............................................................................. Vice President and University Secretary
ALBERT J. HOMIAK JR. .............................................................................. Executive Director of University Safety
CARL W. JACOBSON .............................................................................. Vice President for Information Technologies
BERNARD M. MUIR .............................................................................. Director of Intercollegiate Athletics
CHARLES G. RIORDAN .............................................................................. Vice Provost for Graduate and Professional Education
DAVID W. SINGLETON .............................................................................. Vice President for Facilities and Auxiliary Services
MONICA M. TAYLOR .............................................................................. Vice President for Development and Alumni Relations
DAVID S. WEIR ........................................................................ Director, Office of Economic Innovation and Partnership
LAWRENCE WHITE .............................................................................. Vice President and General Counsel
PATRICIA P. WILSON .............................................................................. Vice President and Chief of Staff

COLLEGE DEANS

ROBIN W. MORGAN .............................................................................. Dean, College of Agriculture and Natural Resources
GEORGE H. WATSON .............................................................................. Dean, College of Arts and Sciences
BRUCE W. WEBER .............................................................................. Dean, Alfred Lerner College of Business and Economics
NANCY M. TARGETT .............................................................................. Dean, College of Earth, Ocean, and Environment
LYNN OKAGAKI .............................................................................. Dean, College of Education and Human Development
BABATUNDE A. OGUNNAIKE ........................................................................ Interim Dean, College of Engineering
KATHLEEN S. MATT .............................................................................. Dean, College of Health Sciences

THE ACADEMIC PROCESSION

THE ORDER OF MARCH

ENTERING FROM THE NORTHEAST CORNER OF THE STADIUM:

Associate in Arts Program
College of Arts and Sciences

College of Agriculture and Natural Resources
Alfred Lerner College of Business and Economics
College of Earth, Ocean, and Environment
College of Education and Human Development
College of Engineering
College of Health Sciences

Alumni Delegates to Commencement

PLATFORM GROUP

President of the University
Provost
Chairman of the Board of Trustees
Members of the Board of Trustees
Commencement Speaker
Honorary Degree Recipients
President-Elect of the Faculty Senate

Deans of the Colleges
President of the University of Delaware Alumni Association
Administrative Officers and Executives
Faculty Marshals
Emalea P. Warner and Alexander J. Taylor Sr. Award Recipients
Determined, resilient, and gifted, you moved in life from an early childhood spent on a sharecropper's farm to being the favored portrait artist of cultural icons, judges, politicians, and, your most noted achievement, the President of the United States.

Born in 1935, you grew up in the segregated South, a place where it was not even possible for you to take an art class, so instead you began your training under the tutelage of a mailman. Although you were endowed with great artistic skill and you loved drawing, you saw no future for yourself as an artist in the United States of the 1950s, so you joined the military. Later you matriculated at Delaware State University and then the University of Delaware. At first you studied subjects other than art, but even so your talent did not go unnoticed by your professors, and you soon switched your major to art education and earned your degree from UD in 1967.

Multi-talented teacher and visual artist, you went on to teach art for 18 years at a series of schools and colleges in the Mid-Atlantic. Simultaneously you earned both a Bachelor of Fine Arts and a Master's degree from the Tyler School of Art at Temple University.

At first you produced the abstract art that was favored at the time, and you had success with it, even participating in a group exhibition with top artists at the Corcoran Gallery of Art in Washington, D.C. But your heart told you that abstract art was not your calling. You began to paint portraits, and in 1980 you stopped teaching to focus solely on producing art.

Acclaimed portrait artist, although you never took a course in portrait painting, you taught yourself through painting people and even details such as hands over and over again. Your aim with your portraiture, you once said, “is to tell a story, to summarize that person and that person’s life in a picture.”

You began to get noticed, and in 1986 you had your first significant commission from Bill Cosby. From there your career took off, as you painted other celebrities, including Muhammad Ali, Alex Haley, and Hank Aaron, as well as numerous politicians and judges, including Supreme Court Justices Thurgood Marshall and Ruth Bader Ginsburg.

You came to the attention of then President Bill Clinton, who selected you to paint his official White House portrait. You were the first African-American ever selected for that great honor and your work now hangs alongside that of America’s greatest portrait artists.

Edouard Manet once said, “You would hardly believe how difficult it is to place a figure alone on a canvas, and to concentrate all the interest on this single and unique figure and still keep it living and real.” Indeed, portraiture demands the greatest skill from an artist—the ability to paint not only the face, but also the soul. Simmie, in your long, distinguished career as a portrait artist, you have shown again and again the talent to portray the very essence of your subjects.

Therefore, under the authority of the Board of Trustees of the University of Delaware, I have the pleasure and honor of conferring upon you, Simmie Knox, the degree of Doctor of Fine Arts and do declare you entitled to all the rights, honors, and privileges to that degree appertaining throughout the world. In testimony thereof, I am pleased to present to you this diploma.

A. Gilchrist Sparks III
May 26, 2012

The honorary degree is the highest honor the University of Delaware bestows and is presented to individuals whose contributions to the public good warrant exceptional recognition.
Incisive, accomplished broadcast journalist, you began your career as an associate producer and news writer at WBZ-TV in Boston and moved on to NBC affiliate KRON in San Francisco, where you were a local reporter and bureau chief. Your work at KRON earned the attention of the network, and you were invited to join NBC News in New York in 1991.

You worked as a field producer for Nightly News and TODAY before moving on to anchor MSNBC’s award-winning technology program The Site. Your successes there earned you a spot anchoring the network’s Weekend Today, a show with millions of viewers. While at NBC you covered major news stories such as the explosion of the space shuttle Challenger and the terrorist attacks of 9/11.

In 2003 you joined CNN as co-anchor of American Morning. Today you are anchor of the CNN morning show Starting Point and special correspondent for CNN/U.S., covering political news and many other topics. During your time at CNN you have distinguished yourself by reporting from the scene on stories such as the Hurricane Katrina disaster, the tsunami in Thailand, and the Japanese earthquake and tsunami.

Your many reporting awards include an Emmy for your live coverage of Haiti’s devastating hurricane and the Gracie Allen Award for your reporting from Cyprus on the Israeli-Hezbollah conflict as well as your reports from the Gulf Coast after Hurricane Katrina. You have been honored by the National Association of Black Journalists, the Congressional Hispanic Caucus Institute, and the NAACP.

Acclaimed documentarian, in your memoir The Next Big Story, you noted that when you were growing up you felt invisible as “a light-skinned black girl in a white town.” America today, you added, may be a “kaleidoscope of people” but there is still a need “for thoughtful conversation about race and ethnicity and identity.” You have helped to move that conversation along through your multiple Black in America and Latino in America documentaries as well as your special report on Muslims in America and religious freedom protections. Your exhaustively researched and compellingly reported documentaries also have included specials on female rescue workers of 9/11, public education in America, and children in Haiti.

Generous mentor and educational sponsor, grateful for those men and women who have mentored you throughout your career, you have paid it forward by mentoring hundreds of girls in journalism. A proponent of education, with your husband you started the Soledad O’Brien and Brad Raymond Foundation. Not only does the Foundation provide scholarships for young women who face obstacles in earning their degrees, but it also provides one-on-one mentoring to help them accomplish their goals.

Your journalism, too, is a way of practicing humanitarianism, as you have shown your viewers time and time again with your compassionate reporting and your drive to report on the overlooked people in our society. That work has earned you honors from the Morehouse School of Medicine, which recognized you as “a catalyst for social change” and the Johns Hopkins School of Public Health, which gave you its Goodermote Humanitarian Award.

The great artist Vincent Van Gogh said, “Your profession is not what brings home your paycheck. Your profession is what you were put on earth to do. With such passion and such intensity that it becomes spiritual in calling.” Soledad, whether you are reporting live on breaking news, hosting your own show, or creating a documentary, you do so with passion and intensity that both enlightens and enriches your viewers. You truly have found your calling.

Therefore, under the authority of the Board of Trustees of the University of Delaware, I have the pleasure and honor of conferring upon you, Soledad O’Brien, the degree of Doctor of Humane Letters and do declare you entitled to all the rights, honors, and privileges to that degree appertaining throughout the world. In testimony thereof, I am pleased to present to you this diploma.

A. Gilchrist Sparks III
May 26, 2012
Don J. Puglisi
Doctor of Humanities

Respected scholar, professor, and mentor, you earned your Bachelor of Arts and Master of Business Administration degrees from Michigan State University and your Doctor of Business Administration degree from Indiana University. You joined the faculty of the University of Delaware in 1971 and taught undergraduate and graduate students about securities analysis, portfolio management, management of financial institutions, and corporate finance. You were named MBNA America Professor of Business in the Department of Finance in 1992.

During your more than 30 years as a faculty member, you were honored six times for your teaching, receiving the College of Business and Economics Outstanding Teaching Award an impressive four times, as well as the Excellence in MBA Teaching Award and the University’s Excellence in Teaching Award. You have published extensively in your areas of scholarship. You were recognized for your many accomplishments with two of the University’s highest honors: the Medal of Distinction in 1996 and emeritus status upon your retirement in 2002.

Financial servant of your state and country, as a UD Public Service Fellow, you consulted for the Office of the Treasurer for the State of Delaware. You served for seven years on the state’s Public Service Commission, which regulates investor-owned utilities providing services for public use. For your contributions to your state, you were honored in 2000 by then Governor Thomas R. Carper with the Order of the First State Award. In addition, you were a visiting research scholar in the Office of Policy and Economic Research of the Federal Home Loan Bank Board in Washington, D.C., which recognized your work with two Outstanding Service Awards.

Aastute businessman, in 1973 you started your own business, Puglisi & Associates, to provide financial and administrative services to a variety of Delaware-based holding companies, including many that are subsidiaries of major U.S.- and foreign-based corporations. You continue with that highly successful venture today.

Generous benefactor, you have long been a financial supporter of the University. In honor of your beloved parents, John and Josephine, you established the Puglisi Scholarship at the University’s College of Business and Economics. The University boasts its Puglisi Orchestra Hall due to another gift in honor of your parents. Just over a year ago, you gave a donation for which we are most grateful, a $1 million commitment to create the Donald J. Puglisi Music Enrichment Fund to provide such enhancements to the Department of Music as undergraduate scholarships, student ensembles, visiting professors, guest artists, and instruments.

Winston Churchill famously said, “We make a living by what we get, but we make a life by what we give.” Throughout your adult life, Don, you have always given of yourself, through your teaching and mentoring, your service, and your philanthropy.

Therefore, under the authority of the Board of Trustees of the University of Delaware, I have the pleasure and honor of conferring upon you, Don J. Puglisi, the degree of Doctor of Humanities and do declare you entitled to all the rights, honors, and privileges to that degree appertaining throughout the world. In testimony thereof, I am pleased to present to you this diploma.

A. Gilchrist Sparks III
May 26, 2012
Respected researcher and curator of art, you earned both Bachelor and Master of Arts degrees with honors at Oxford University as well as a Master of Arts degree with distinction in Classical Archaeology at Smith College. In 1961 you began your career at the Museum of Fine Arts, Boston, where you were responsible for research in European paintings.

You later were commissioned by the Solomon R. Guggenheim Museum to catalog the museum’s entire permanent collection, and went on to prepare a catalog of the Peggy Guggenheim Collection. While serving as an adjunct professor at the Institute of Fine Arts New York University, you cataloged the Pulitzer Collection.

You served as curator or co-curator of several major exhibitions, including The George Costakis Collection at the Guggenheim Museum; Kazimir Malevich at the National Gallery and the Metropolitan Museum; and Piet Mondrian at the National Gallery and the Museum of Modern Art.

Accomplished author, in conjunction with your cataloging and curating work, you have written or edited six books and exhibition catalogs that have added immensely to our knowledge and appreciation of art history.

You have served on the editorial boards of the Art Bulletin and The American Scholar as well as on publication committees for several organizations.

Creative and effective champion of museums and art conservation, your career as a researcher and curator would have been impressive on its own, but you went on to contribute so much more to the world of art through your work from 1993 to 2010 as Program Officer for Museums and Art Conservation at the Andrew W. Mellon Foundation. During your tenure, the program awarded 358 grants totaling more than $250 million.

At the time of your retirement, Foundation President Don Randel praised you for having left “a series of indelible marks on the world of museums and art conservation.” Because of your efforts, for example, the curatorial and scholarly capacity has been enhanced at many museums; college and university art museums now have the ability to contribute more to the academic life of their schools; advanced conservation training programs have been strengthened; new scientific methods have improved art conservation practices; and the field of photographic conservation has been further developed.

You have accomplished these important advances through your unceasing advocacy for the highest standards of art conservation and your rare ability to bring museum professionals, conservators, scientists, and academic art historians together in collaborative partnerships.

Marcel Proust said, “Only through art can we get outside of ourselves and know another’s view of the universe . . . and see landscapes which would otherwise have remained unknown to us. . . . Thanks to art, instead of seeing a single world, our own, we see it multiply until we have before us as many worlds as there are individual artists.” Angelica, you have always recognized that art is essential to life, and you have made it your mission to preserve the art of the past. Because of your foresight, commitment and creativity, these artworks will be available to enrich the lives of many generations to come.

Therefore, under the authority of the Board of Trustees of the University of Delaware, I have the pleasure and honor of conferring upon you, Angelica Zander Rudenstine, the degree of Doctor of Humanities and do declare you entitled to all the rights, honors, and privileges to that degree appertaining throughout the world. In testimony thereof, I am pleased to present to you this diploma.

A. Gilchrist Sparks III
May 26, 2012
University of Delaware Alumni Association
Warner and Taylor Awards

**EMALEA PUSEY WARNER AWARD**

**FOR OUTSTANDING SENIOR FEMALE**

**GEALINA DUN**

Gealina Dun ’12AS, will graduate with an honors bachelor of science degree in neuroscience with minors in Spanish and biomedical engineering. She is the 2012 recipient of the University of Delaware Alumni Association Emalea Pusey Warner Award for Outstanding Senior.

Throughout her time at the University, Gealina has demonstrated academic excellence, leadership and a dedication to serving her community. A dean’s list student every semester, she maintained a GPA above 3.8 and also was awarded a Eugene du Pont Memorial Distinguished Scholarship. She also earned the General Honors Award, which recognizes Honors coursework completed in the first two years.

Gealina is a Writing Fellow, Student Admissions Officer and a Blue Hen Ambassador. She also served as a New Student Orientation assistant for two summers and a Russell Fellow for which she was honored with the Woody Sprague Outstanding Russell Fellow Award in May 2011.

Active within the Distinguished Scholars community, Gealina has been instrumental in organizing monthly dinners with faculty and guest speakers. She has also served as a student coordinator for the Distinguished Scholars Selection Weekend assisting with the recruitment of some of the best and brightest newest Blue Hens.

Gealina has volunteered with A.I. duPont Hospital for Children and is currently working as an intern with Nemours Health and Prevention Services. She will attend medical school in the fall.

Kristin Bennighoff, associate director in the Honors Program, said, “Gealina embodies the spirit of Mrs. Warner as a female leader within our educational community. Her dedication is unmatched by any other student I have known.”

Gealina is from Hockessin, Delaware.

**ALEXANDER J. TAYLOR SR. AWARD**

**FOR OUTSTANDING SENIOR MALE**

**ROBERT PAGELS**

Robert Pagels ’12EG, is graduating with an honors bachelor of chemical engineering degree and a minor in biochemical engineering. He is the 2012 recipient of the University of Delaware Alumni Association Alexander J. Taylor Sr. Award for Outstanding Senior.

A dean’s list student every semester, Robby has maintained a 4.0 GPA and was one of a select group of students in the Class of 2012 to be awarded a Eugene du Pont Memorial Distinguished Scholarship.

Robby has also shown leadership out of the classroom in addition to excelling academically. He served as sophomore representative, treasurer and is the current president of the local American Institute of Chemical Engineers (AIChE) student chapter and is the Chemical Engineering Student Representative with the Engineering Educational Activities Committee. In addition, he served as a consultant to the Chemical Engineering Advisory Board. Through these positions he has often represented the student population of the department when important donors, alumni, visiting professors and prospective professors visit.

In the summer after his freshmen year, with the help of professors and friends, Robby organized a trip to Tiruvannamalai, India, and spent a month helping in an orphanage where he put together a library and worked with the children on their English. Back at home, Robby continued his community service work as vice president of Alpha Lambda Delta, an honors society with a focus on community service.

Robby will be attending Princeton University after graduation to pursue a Ph.D. in chemical engineering.

Katharine Kerrane, senior associate director in the Honors Program, said, “With Robby’s overall brilliance, scientific expertise and curiosity about the world, he clearly will have an extremely successful career. The fact that he wants to put his talents to use in developing practical solutions to medical problems and wants to teach the next generation of scientists is in the best tradition of Taylor Award winners—successful alumni who are dedicated to giving back to society.”

Robby is from Hampstead, Maryland.
Alumni Delegates to Commencement

LED BY

JOHN GAUL ’78, UNIVERSITY OF DELAWARE ALUMNI ASSOCIATION
THOM SHUMOSIC ’06, UNIVERSITY OF DELAWARE ALUMNI ASSOCIATION
GEALINA DUN ’12, UDAA EMALEA P. WARNER AWARD RECIPIENT
ROBERT PAGELS, ’12, UDAA ALEXANDER J. TAYLOR, SR. AWARD RECIPIENT

The procession of alumni delegates at Commencement was initiated in 1983. The following members of the Alumni Association represent the more than 154,000 alumni throughout the United States and 75 countries.

The list includes delegates as of May 10, 2012.

1950  GUIDO SCHIAVI
1968  JUDITH ATTWILL WICKERSHAM
1969  JAMES BURKE
      PAUL WICKERSHAM JR.
1975  CYNTHIA SKIBICKI COLLINS
      PAMELA GILPATRICK GREEN
      JOHN RIAVOY
1976  JAMES COUGHLAN
      WILLIAM DOHERTY JR.
      GLORIA MONROE HAMAN
1977  LINDA BARONE CARRIGAN
      ALAN MANN
1979  CATHERINE REIS COUGHLAN
      KATHLEEN LEHR PEEKE
      STEPHEN PEEKE
1980  KENNETH JONES
      LISA ZWILGMeyer JONES
      MORGAN SNYDER
      SUSAN ROONEY SNYDER
1981  OSCAR MESTRE JR.
1982  NANCY SPARACINO BELL
      MARGARET BOZAK MESTRE
      DONNA GARDNER O’NEILL
      MICHAEL O’NEILL
1983  SCOTT BELL
      LISA HARRIS EL MOUAQUITE
1984  JENNIFER MORTON BOUDART
      ALISON ORLANDO GOERG
      MICHAEL MCGILL
1985  CHRISTOPHER BOUDART
      KATHLEEN VERVILLE
1986  FRANK VELLA
1987  ALBERT FINNIMORE
      MARY CHOATE FINNIMORE
1990  PATRICIA AGUINAGA MCLELLAN
1992  ANTHEA BEDMINSTER
      JASON FUCHS
1993  HERBERT GREEN JR.
1996  JOSEPH GASZ V
1999  GARY WOULARD
2001  PATRICIA COLPO ANDERSON
      SARAH D’AUITO
2002  LAURA VELLA
      NATALIE STEVENS WOULARD
2003  MICHELLE MOSCHAK
      DANIELLE SEPULVERES
2004  TTYWANDA HOWIE
2005  MICHAEL COUGHLAN
      CHRISTINA PARISI WILSON
2006  EDWARD GROVE
      KRISTEN MOGAVERO
2007  CYNTHIA CLIFTON
      SRIDHAR KUMAR
      MICHAEL NEAL
      CORTNEY NEWHARD
2008  SHAWN DUFF
      JENNIE COUGHLAN GRIFFITH
      NATHAN GRIFFITH
2009  LESLIE ANSON
      REBECCA PAGELS
      MEGAN SNYDER
      CHRISTOPHER VELLA
2010  KELLI SMITS
2011  SEAN LANGHAUS
      FRANCIS OBARA III

50th Reunion Class of 1962

The Alumni Association will induct members of the Class of 1962 into the Gold Guard during Alumni Weekend in honor of their 50th reunion at the University of Delaware. Members of the Gold Guard are graduates who have achieved 50 years or more of alumni status. The following alumni represent the Class of 1962 at the 163rd Commencement.

ELEANOR VIVONA CAPIK
ELLA DE COURCELLE
VIRGINIA STALEY EBERLY
CATHERINE STRELTZOV HOLLOWAY

JOSEPH V. JERKOVICH
NORMAN MOORE JR.
MARCIA EVESON RICHARDS
2011–2012 Emeriti Faculty

Upon retirement, full-time members of the teaching faculty may be granted the title of “emeritus” with recommendation by the chairperson of the department and the dean of the college and the approval of the University Provost. The faculty members listed below have made distinguished contributions to teaching, scholarship, and service during their tenure at the University of Delaware and are recognized today as achieving the status of emeriti faculty.

ROBERT BENNETT, ENGLISH
EDMUNDS BUNKSE, GEOGRAPHY
LEON CAMPBELL, BIOLOGY
JOHN GALLAGHER, MARINE SCIENCE & POLICY
ROBERT GILBERT, MATHEMATICAL SCIENCES
DAVID HASSELTTE, PHILOSOPHY

STEVEN HELMLING, ENGLISH
GEORGE HSIAO, MATHEMATICS
GEORGE MOLLOY, BIOLOGICAL SCIENCES
MARIAN PALLEY, POLITICAL SCIENCE & INTERNATIONAL RELATIONS
THOMAS PAULY, ENGLISH
JOHN TALLEY, GEOLOGY

2011–2012 Excellence in Teaching Faculty Awards

The University honors faculty members with awards for excellence in teaching. Thoughtful evaluations written by students are the basis for faculty nominations. The following names will be added to the inscribed bricks in Mentors’ Circle, which pays tribute to all recipients of this award.

JAMES ATLAS, COMPUTER AND INFORMATION SCIENCES
STEVEN MORTENSON, COMMUNICATION
MATTHEW WEINERT, POLITICAL SCIENCE & INTERNATIONAL RELATIONS

2012 Faculty Award for Excellence in Undergraduate Academic Advising

This award is given to emphasize the importance of academic advising, to recognize and reward excellent faculty advisors, and to encourage faculty to devote more time and attention to becoming effective advisors. This campus-wide recognition indicates to the University community that academic advising is a valued part of the student’s education at the University. The following names will be added to the inscribed bricks in Mentors’ Circle, which pays tribute to all recipients of this award.

VICKI CASSMAN, ART CONSERVATION
LINDSAY HOFFMAN, COMMUNICATION/POLITICAL SCIENCE & INTERNATIONAL RELATIONS
AMERICA MARTINEZ, FOREIGN LANGUAGES & LITERATURES
ALI POORANI, HOTEL, RESTAURANT AND INSTITUTIONAL MANAGEMENT

2012 Francis Alison Award

The Francis Alison Faculty Award is the highest faculty honor bestowed by the University, and is awarded annually to the faculty member who best characterizes the “scholar-schoolmaster,” as exemplified by the Rev. Dr. Francis Alison. In 1743, Dr. Alison founded the institution that is now the University of Delaware. His first class of students became distinguished statesmen, doctors, merchants and scholars. Three signed the Declaration of Independence, and one also signed the U.S. Constitution.

JOEL BEST, SOCIOLOGY AND CRIMINAL JUSTICE
The Office of Annual Giving congratulates the Class of 2012 on their accomplishments during the past few years and applauds them for leaving a legacy which represents their individuality, uniqueness and, most importantly, passions through the senior class gift campaign.

As you transition from student to alumnus, we hope you continue to be engaged with the University of Delaware by attending campus and regional events and networking with over 154,000 Blue Hens worldwide. Regardless of our affinities, Blue Hens give back.

This year, hundreds of students from each of the University’s seven colleges have shown their loyalty to the University of Delaware through the senior class gift campaign and took advantage of the opportunity to double their impact through the Whitney Match, sponsored by UD alumnus and member of the Board of Trustees Ken Whitney ’80 BE. From colleges and departments to athletics and student activities, numerous areas around campus will benefit from the generosity of our most recent graduates. To view the results of the Whitney Match and a list of those who have shown their support, visit www.udel.edu/seniors.

We also give special thanks to the leaders of the 2012 Senior Class Gift Council for their hard work and dedication to this important initiative: Kevin Collins (Co-Chair), Christopher McElwee (Co-Chair), Melanie Bugher, Andrew Collins, Thomas Coughlan, Ralph Elefante, Kimberly Hume, Craig Parker, Derek Skrainar, Danielle Smithers and Molly Sullivan.

The flags included in today’s ceremony celebrate the over 50 American states and territories as well as over 100 foreign countries that are represented among the University of Delaware’s student body. The flags also pay tribute to the leadership role that University benefactor Pierre S. du Pont played in establishing the University’s Junior Year Abroad Program, the first program of its kind in the world.
HISTORICAL SKETCH

The University of Delaware traces its roots to a school founded by the distinguished Colonial scholar, The Reverend Dr. Francis Alison, in 1743, in New London, Pennsylvania. By 1765 the school had been moved to Newark where, in 1769, it received a charter as the Academy of Newark from Thomas and Richard Penn.

On February 5, 1833, the General Assembly of the State of Delaware passed an act establishing a perpetual charter for a college at Newark. New Ark College opened as a degree-granting institution in 1834 and the Academy was merged with it. The institution was renamed Delaware College in 1843, and in 1921 an act of the Delaware General Assembly created the University of Delaware with two colleges—Delaware College and the Women’s College.

The first Commencement was held on September 23, 1836, for five young men. Graduating classes remained small for several years and on occasion numbered only one or two students. No commencements were held in 1837 and 1850 because there were no students prepared to graduate. On four occasions, 1847, ’51, ’53, and ’71, only master’s degrees were awarded. The College was closed in 1859 for financial reasons and the impending Civil War.

The Board of Trustees continued to meet and by means of the Morrill Land-Grant Act the College reopened in 1870, graduating its first new class in 1873. In the years before 1873 there were sixteen years in which no degrees were awarded. Since that time, however, annual commencements have continued uninterrupted.

ACADEMIC COSTUME

The use of the academic costume, which seems to have originated in the English universities of Oxford and Cambridge, has been traditional in university life since the medieval times. In England and other European countries academic attire generally is distinctive with each university so that very colorful ensembles of diverse styles are commonly used abroad.

Unlike European academic apparel, the academic costume of American universities follows a regular pattern, the styles and colors having been established by an intercollegiate agreement in 1895. Cap, hood, and gown are prescribed in style. Color variations indicate differences in the field of knowledge presented and the conferring institutions.

The mortarboard cap is identical for holders of associate, bachelor’s, and master’s degrees. For holders of the doctorate, the cap may be made of velvet and the tassel may be gold. Candidates for the associate and bachelor’s degrees wear the tassel on the right of the cap, changing it to the left side after the degree has been conferred.

The associate and bachelor’s gowns are designed with full sleeves. The master’s gown, designed with sleeves closed at the base and slit at the elbow, appears to have half-sleeves that leave the forearm uncovered. The doctor’s gown has bell-shaped sleeves with velvet bars and is faced with velvet around the collar and down the front edges.

Hoods representing the four levels of degrees differ primarily in size. The colors of the hood lining are characteristic of the conferring college. For example, University of Delaware colors are blue and gold; University of Pennsylvania, red and blue; Columbia University, blue and white; etc. The color of the velvet border for the hood indicates the branch of knowledge represented.

THE MACE AND CHAIN OF OFFICE

The mace—the ornamental staff carried at the lead of the Commencement procession—was historically a weapon of war. Traditionally used by horsemen and warriors to unseat battle opponents and smash heavy armor during tournaments, it was typically made entirely of metal and was crafted to include a grooved head with lethally sharp spikes. After abandoning its barbaric roots for more genteel pursuits in the Middle Ages, the mace became associated with high-level state occasions and eventually gained prominence as a modern-day symbol of power, authority, and dignity, according to a booklet published by the University Archives.

The University acquired its mace in 1971 during a resurgence of interest in this tradition on the part of American universities. In keeping with its current symbolism, the University’s mace, which has the elaborate features of an early 14th-century model, is carried before the President and members of the platform party by the University Marshal in academic processions. The wearing of the chain in conjunction with the mace indicates that the President temporarily embodies “the power, authority, autonomy, immunity, and sovereignty” vested in the institution he represents.

The mace of the University of Delaware is 42 inches long and weighs nine and one-half pounds. The head of the mace is 10 inches in diameter and displays eight diamond-shaped, enamel-and-gold-plated silver panels that alternate the Blue Hen and the American holly—Delaware’s state bird and state tree, respectively.

The chain of office of the University of Delaware is 48 inches long and displays alternating panels of Blue Hens and holly clusters on a diamond-shaped background. From the chain hangs a medallion bearing the seal of the University surrounded by holly leaves and berries. The recurring diamond theme used in the mace and chain salutes Delaware as “The Diamond State,” a designation that refers to Delaware’s worth in relation to its size.

As handcrafted works of art, the mace and chain of office are part of the University’s Permanent Art Collection.
Directions FROM DELAWARE STADIUM TO ALL SATURDAY, MAY 26
Convocations EXCEPT THE TENT ON The Green

HEADING NORTH ON SOUTH COLLEGE AVENUE
Trabant University Center, Bayard Sharp Hall, Munroe Hall
Continue on South College Avenue to Main Street.
Turn left onto Main Street.
Stay in left lane and park in Trabant Garage on Main Street across from the Deer Park Restaurant.

Roselle Center for the Arts, Mitchell Hall, Sharp Lab, Smith Hall, Gore Hall
Continue on South College Avenue to Kent Way.
Turn left onto Kent Way and go one block.
Turn right onto Orchard Road and go one block.
Turn left onto Amstel Avenue.
Entrance to Center for the Arts Garage is on your left.

Perkins Student Center
Turn right onto East Park Place and go one block.
Turn left onto Academy Street and go one block.
Parking in Perkins Center Garage on right.

Pearson Hall, Brown Lab
Turn right onto East Park Place and go one block.
Turn left onto Academy Street and go to Lovett Avenue.
Turn right onto Lovett Avenue.
Parking in Lot 53 on left.

Clayton Hall
Continue on South College Avenue to Main Street.
Turn left onto Main Street and proceed to Rt. 896 North (New London Road).
Slight right over RR tracks onto Rt. 896 North (New London Road).
Proceed past traffic light and past Marriott Courtyard Newark.
Turn right at the next driveway for Clayton Hall.

HEADING SOUTH ON SOUTH COLLEGE AVENUE
Trabant University Center, Bayard Sharp Hall, Munroe Hall, Roselle Center for the Arts, Mitchell Hall, Sharp Lab, Smith Hall, Gore Hall, Perkins Student Center, Pearson Hall, Brown Lab, Clayton Hall
Turn left onto Rt. 4 and proceed to Rt. 72 (Library Avenue).
Follow directions for Heading East on Rt. 4.

Handicapped parking is very limited. Please use the handicapped parking only if you really need it. The handicapped drop off location in Lot 24 is for drop off ONLY. There is NO PARKING in Lot 24. Golf cart shuttles will be available at the handicapped drop off location for individuals with difficulty walking.

HEADING EAST ON RT. 4
Trabant University Center, Bayard Sharp Hall, Munroe Hall
Turn left onto Rt. 72 and proceed to Cleveland Avenue.
Turn left onto Cleveland Avenue and proceed to North College Avenue.
Turn left onto North College Avenue.
Proceed to Main Street and turn right into LEFT lane and park in Trabant Garage on Main Street across from the Deer Park Restaurant.

Roselle Center for the Arts, Mitchell Hall, Sharp Lab, Smith Hall, Gore Hall
Turn left onto Rt. 72 and proceed to Wyoming Road.
Turn left onto Wyoming Road and proceed to Chapel Street.
Turn left onto Chapel Street and proceed to East Park Place.
Turn right onto East Park Place and proceed to Orchard Road.
Turn right onto Orchard Road and proceed to Amstel Avenue.
Turn left onto Amstel Avenue.
Entrance to Center for the Arts Garage is on your left.

Perkins Student Center, Pearson Hall, Brown Lab
Turn left onto Rt. 72 and proceed to Wyoming Road.
Turn left onto Wyoming Road and proceed to Chapel Street.

For Perkins Student Center: Turn left onto Chapel Street and proceed to Ashley Road.
Turn right onto Ashley Road and continue on Courtney Street.
Turn right onto Academy Street and park in the Perkins Center Garage on right.

For Pearson Hall, Brown Lab: Turn right onto Chapel Street.
Turn left onto Lovett Avenue and proceed two blocks.
Parking in Lot 53 on the right.

Clayton Hall
Turn left onto Rt. 72 and proceed to Cleveland Avenue.
Turn left onto Cleveland Ave. and proceed to Rt. 896 (New London Road).
Turn right onto Rt. 896 and proceed past the Marriott Courtyard Newark.
Turn right at the next driveway for Clayton Hall.

HEADING WEST ON RT. 4
Trabant University Center, Bayard Sharp Hall, Munroe Hall, Roselle Center for the Arts, Mitchell Hall, Sharp Lab, Smith Hall, Gore Hall, Perkins Student Center, Pearson Hall, Brown Lab, Clayton Hall
Turn right onto South College Avenue.
Follow directions for Heading East on Rt. 4.

Handicapped Parking — Alternate
Continue on South College Avenue half a block past Kent Way.
Turn right into Lot 35.
If Lot 35 is full, continue straight to Delaware Avenue.
Turn right onto East Delaware Avenue and get in the left lane.
Turn left into the Sypherd Hall Rink.

Handicapped Drop Off
Turn right onto East Park Place and go one block.
Turn left onto Academy Street and go to the southern entrance to Lot 24.
Turn left into Lot 24.
Drop off your passenger where indicated and exit Lot 24.
Cross Academy Street to Lovett Avenue.
Parking in Lot 53 on left.

HEADING SOUTH ON SOUTH COLLEGE AVENUE
All Parking and Handicapped Drop Off
Turn left onto Rt. 4 and proceed to Rt. 72 (Library Avenue).
Follow directions for Heading East on Rt. 4.
**HEADING EAST ON RT. 4**

**General Parking**
Turn left onto Rt. 72 and proceed to Wyoming Road,
Turn left onto Wyoming Road and proceed to Chapel Street,
Turn right onto Chapel Street,
Turn left onto Wyoming Road and proceed two blocks.
Park in Lot 53 on the right.

**Handicapped Parking — Primary**
Turn left onto Rt. 72 and proceed to Wyoming Road,
Turn left onto Wyoming Road and proceed to Chapel Street,
Turn left onto Chapel Street and proceed to East Park Place,
Turn right onto East Park Place and proceed to Orchard Road,
Turn right onto Orchard Road and proceed to Amstel Avenue.
Turn right into Lot 37C.

**Handicapped Parking — Alternate**
Turn left onto Rt. 72 and proceed to Wyoming Road,
Turn left onto Wyoming Road and proceed to Chapel Street.

**HEADING WEST ON RT. 4**

**All Parking and Handicapped Drop Off**
Turn right onto South College Avenue.
Follow directions for Heading North on South College Avenue.

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**CONVOCATION LOCATIONS FOR FRIDAY, MAY 25, 2012**

<table>
<thead>
<tr>
<th>College or Department</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Force ROTC Commissioning Ceremony</td>
<td>7:00 p.m.</td>
<td>Program: Roselle Center for the Arts – Thompson Theater Reception: Lobby</td>
</tr>
<tr>
<td>Army ROTC Commissioning Ceremony</td>
<td>5:00 p.m.</td>
<td>Clayton Hall – Auditorium (Room 128) Reception: Room 120</td>
</tr>
<tr>
<td>Behavioral Health and Nutrition</td>
<td>12:00 p.m.</td>
<td>Pearson Hall – Auditorium</td>
</tr>
<tr>
<td>Biological Sciences</td>
<td>12:00 p.m.</td>
<td>Carpenter Sports Building – Gym 2</td>
</tr>
<tr>
<td>Center for Energy and Environmental Policy</td>
<td>6:00 p.m.</td>
<td>Trabant University Center – Multipurpose Rooms A&amp;B</td>
</tr>
<tr>
<td>College of Agriculture and Natural Resources</td>
<td>3:00 p.m.</td>
<td>Bob Carpenter Center</td>
</tr>
<tr>
<td>College of Education and Human Development</td>
<td>11:00 a.m.</td>
<td>Bob Carpenter Center</td>
</tr>
<tr>
<td>Communication</td>
<td>1:30 p.m.</td>
<td>Trabant University Center – Multipurpose Room</td>
</tr>
<tr>
<td>Doctoral Hooding Ceremony</td>
<td>6:00 p.m.</td>
<td>Tent on The Green</td>
</tr>
<tr>
<td>English</td>
<td>11:00 a.m.</td>
<td>Delaware Field House</td>
</tr>
<tr>
<td>Fashion and Apparel Studies</td>
<td>1:30 p.m.</td>
<td>Mitchell Hall</td>
</tr>
<tr>
<td>Foreign Languages and Literatures</td>
<td>11:00 a.m.</td>
<td>Mitchell Hall</td>
</tr>
<tr>
<td>History</td>
<td>1:00 p.m.</td>
<td>Clayton Hall – Room 101 A &amp; B</td>
</tr>
<tr>
<td>Kente Stole Ceremony</td>
<td>6:00 p.m.</td>
<td>Reception: Clayton Hall – Lobby</td>
</tr>
<tr>
<td></td>
<td>7:00 p.m.</td>
<td>Program: Clayton Hall – Room 101 A&amp;B</td>
</tr>
<tr>
<td>Kinesiology and Applied Physiology</td>
<td>10:00 a.m.</td>
<td>Clayton Hall – Room 101 A &amp; B</td>
</tr>
<tr>
<td>Lerner College of Business &amp; Economics Graduate Student Convocation</td>
<td>4:00 p.m.</td>
<td>Mitchell Hall Reception following in Roselle Center for the Arts – Puglisi (Park in Roselle Center for the Arts Garage)</td>
</tr>
<tr>
<td>Linguistics and Cognitive Sciences</td>
<td>12:00 p.m.</td>
<td>Roselle Center for the Arts – Thompson Theater</td>
</tr>
<tr>
<td>Medical Technology</td>
<td>2:00 p.m.</td>
<td>Program: Trabant University Center Theater Reception: Daugherty Hall</td>
</tr>
<tr>
<td>Nursing Pinning Ceremony</td>
<td>4:00 p.m.</td>
<td>Delaware Field House</td>
</tr>
<tr>
<td>Political Science and International Relations</td>
<td>11:00 a.m.</td>
<td>Tent on The Green</td>
</tr>
<tr>
<td>Psychology</td>
<td>1:30 p.m.</td>
<td>Delaware Field House</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>4:00 p.m.</td>
<td>Perkins Student Center – Gallery and Alumni Lounge</td>
</tr>
</tbody>
</table>

**CONVOCATION LOCATIONS FOR SATURDAY, MAY 26, 2012**

<table>
<thead>
<tr>
<th>College or Department</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology</td>
<td>11:30 a.m.</td>
<td>Reception: Munroe Hall Program: Trabant University Center – Trabant Theater</td>
</tr>
<tr>
<td>Area Studies Programs</td>
<td>3:00 p.m.</td>
<td>Bayard Sharp Hall</td>
</tr>
<tr>
<td>Art, Art Conservation, and Art History</td>
<td>12:00 p.m.</td>
<td>Clayton Hall – Room 101 A &amp; B</td>
</tr>
<tr>
<td>Black American Studies</td>
<td>12:00 p.m.</td>
<td>Roselle Center for the Arts – Puglisi</td>
</tr>
<tr>
<td>Chemistry and Biochemistry</td>
<td>12:30 p.m.</td>
<td>Pearson Hall – Auditorium Reception following in Brown Lab</td>
</tr>
<tr>
<td>College of Earth, Ocean, and Environment</td>
<td>12:00 p.m.</td>
<td>Perkins Student Center – Rodney Room</td>
</tr>
</tbody>
</table>
The Bob Carpenter Center and the Delaware Field House are located on either side of the Delaware Stadium. There is no need for you to drive. If you face the stadium with South College Avenue behind you, the Bob Carpenter Center will be to your right and the Delaware Field House to your left. If you are attending either the Sociology and Criminal Justice or the Business and Economics (ACCT, MIS, FINC & ECON) convocation in either of those locations that start at 11:45 a.m., please leave your car parked where it was parked during the commencement ceremony and walk to the convocation. Thank you.

**CONVOCATION LOCATIONS FOR SATURDAY, MAY 26, 2012**

<table>
<thead>
<tr>
<th>College or Department</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Engineering</td>
<td>1:00 p.m.</td>
<td>Tent on The Green</td>
</tr>
<tr>
<td>Lerner College of Business &amp; Economics</td>
<td>11:45 a.m.</td>
<td>Bob Carpenter Center</td>
</tr>
<tr>
<td>ACCT, MIS, FINC &amp; ECON</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lerner College of Business &amp; Economics</td>
<td>3:00 p.m.</td>
<td>Bob Carpenter Center</td>
</tr>
<tr>
<td>BUAD (HRIM, International Business Studies, Management,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marketing, Operations, and Sport Management)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical Sciences</td>
<td>12:00 p.m.</td>
<td>Smith Hall – Room 120</td>
</tr>
<tr>
<td>Lerner College of Business &amp; Economics</td>
<td>12:30 p.m.</td>
<td>Bayard Sharp Hall</td>
</tr>
<tr>
<td>ACCT, MIS, FINC &amp; ECON</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Music and Theatre</td>
<td>12:15 p.m.</td>
<td>Roselle Center for the Arts – Thompson Theater</td>
</tr>
<tr>
<td>Philosophy</td>
<td>12:00 p.m.</td>
<td>Sharp Lab – Room 131</td>
</tr>
<tr>
<td>Physics and Astronomy</td>
<td>12:00 p.m.</td>
<td>Sharp Lab – Room 130</td>
</tr>
<tr>
<td>Public Policy and Administration Graduate, Organizational</td>
<td>12:00 p.m.</td>
<td>Reception: Gore Hall – Rotunda</td>
</tr>
<tr>
<td>and Community Leadership and Public Policy Programs</td>
<td>1:00 p.m.</td>
<td>Program: Mitchell Hall</td>
</tr>
<tr>
<td>Sociology and Criminal Justice</td>
<td>11:45 a.m.</td>
<td>Delaware Field House</td>
</tr>
</tbody>
</table>

**KEY VENUES**

- Bayard Sharp Hall
- Bob Carpenter Center
- Brown Lab
- Carpenter Sports Building
- Clayton Hall
- Courtyard Newark
- Delaware Field House
- Delaware Stadium
- Gore Hall
- Mitchell Hall
- Munroe Hall
- Old College
- Pearson Hall
- Perkins Student Center
- Roselle Center for the Arts
- Sharp Lab
- Smith Hall
- Tent on The Green
- Trabant University Center

**Key Parking Locations**

1. Bob Carpenter Center, Delaware Field House, Delaware Stadium, Gold Ice Arena / K4
2. Roselle Center for the Arts Parking Garage / E2
3. Perkins Student Center Parking Garage / F4
4. Trabant University Center Parking Garage / D3
5. Lot #7 / A2
6. Lot #35 / E3
7. Lot #41 / F3
8. Lot #19 / C3
9. Lot #37C / E3
10. Lot #53 / E4
11. Lot #24 / E4

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## DEGREE CANDIDATES BY COLLEGE

### COLLEGE OF AGRICULTURE AND NATURAL RESOURCES
- Bachelor of Arts: 2
- Bachelor of Science: 2
- Honors Bachelor of Science: 2
- Master of Arts: 2
- Master of Science: 2

### COLLEGE OF ARTS AND SCIENCES
- Associate in Arts: 5
- Bachelor of Arts: 6, 12, 12
- Bachelor of Fine Arts: 12
- Bachelor of Music: 12
- Bachelor of Science: 12
- Honors Bachelor of Arts: 13
- Honors Bachelor of Music: 13
- Honors Bachelor of Science: 13
- Master of Arts: 14
- Master of Fine Arts: 16
- Master of Music: 16
- Master of Public Administration: 16
- Master of Science: 17
- Professional Science Master: 18
- Doctor of Philosophy: 18

### ALFRED LERNER COLLEGE OF BUSINESS AND ECONOMICS
- Bachelor of Arts: 24
- Bachelor of Science: 24
- Honors Bachelor of Science: 27
- Master of Arts: 27
- Master of Business Administration: 28
- Master of Science: 31
- Doctor of Philosophy: 33

### COLLEGE OF EARTH, OCEAN, AND ENVIRONMENT
- Bachelor of Arts: 35
- Bachelor of Science: 35
- Honors Bachelor of Science: 35
- Master of Arts: 35
- Master of Marine Policy: 35
- Master of Science: 35
- Doctor of Philosophy: 36

### COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT
- Associate in Arts: 37
- Bachelor of Science: 37
- Bachelor of Science in Education: 37
- Honors Bachelor of Science: 38
- Honors Bachelor of Science in Education: 38
- Educational Specialist: 38
- Master of Arts: 38
- Master of Arts in Teaching: 39
- Master of Education: 39
- Master of Instruction: 40
- Master of Science: 41
- Doctor of Education: 41
- Doctor of Philosophy: 42

### COLLEGE OF ENGINEERING
- Bachelor of Arts: 44
- Bachelor of Chemical Engineering: 44
- Bachelor of Civil Engineering: 44
- Bachelor of Computer Engineering: 44
- Bachelor of Electrical Engineering: 44
- Bachelor of Environmental Engineering: 44
- Bachelor of Mechanical Engineering: 44
- Bachelor of Science: 45
- Honors Bachelor of Chemical Engineering: 45
- Honors Bachelor of Civil Engineering: 45
- Honors Bachelor of Electrical Engineering: 45
- Honors Bachelor of Environmental Engineering: 45
- Honors Bachelor of Mechanical Engineering: 45
- Master of Applied Sciences: 46
- Master of Chemical Engineering: 46
- Master of Civil Engineering: 46
- Master of Energy and Environmental Policy: 46
- Master of Materials Science and Engineering: 47
- Master of Mechanical Engineering: 47
- Master of Science: 47
- Doctor of Philosophy in Mechanical Engineering: 48

### COLLEGE OF HEALTH SCIENCES
- Bachelor of Science: 53
- Bachelor of Science in Nursing: 54
- Honors Bachelor of Science: 55
- Honors Bachelor of Science in Nursing: 55
- Master of Science: 55
- Master of Science in Nursing: 55
- Doctor of Physical Therapy: 56
- Doctor of Philosophy: 57

### ROTC CANDIDATES

---

1
Bachelor of Arts
DEMAR ANTHONY STEPHENSON

Bachelor of Science
ALEXANDRA KATE AARON
TURQUOISE CHANELLE ABDULLAH
SARAH K. ACKERMAN
MARGARET ANN ALDERSON
JAMIE LYNN ANDERSEN
KAITLYN LOUISE BALIGUSH
JOHN STEVEN BARCEWSKI
BRIAN BASSO
ELEANOR MARIE BLACKMAN
CHRISTOPHER DEVON BLACKWELL
LAUREN ELIZABETH BLACKSON
LAURA ELIZABETH BETTS
TIFFANY NICOLE BENNETT
ELIZABETH ANN BAXTER
KAITLYN LOUISE BALIGUSH
JAMIE LYNN ANDERSEN
JOHN STEVEN BARCEWSKI
SAGE ELIZABETH PESOLANO
BRIAN BASSO

Bachelor of Arts
DEMAR ANTHONY STEPHENSON

Bachelor of Science
ALEXANDRA KATE AARON
TURQUOISE CHANELLE ABDULLAH
SARAH K. ACKERMAN
MARGARET ANN ALDERSON
JAMIE LYNN ANDERSEN
KAITLYN LOUISE BALIGUSH
JOHN STEVEN BARCEWSKI
BRIAN BASSO
ELEANOR MARIE BLACKMAN
CHRISTOPHER DEVON BLACKWELL
LAUREN ELIZABETH BLACKSON
LAURA ELIZABETH BETTS
TIFFANY NICOLE BENNETT
ELIZABETH ANN BAXTER
KAITLYN LOUISE BALIGUSH
JAMIE LYNN ANDERSEN
JOHN STEVEN BARCEWSKI
SAGE ELIZABETH PESOLANO
BRIAN BASSO

Honors Bachelor of Science
MARISSA DAWN DICK
JESSICA LEA ERMACK
BROOKE ASHLEY FENAMORE
MEGAN ELIZABETH FITZPATRICK
BONNIE MCDONALD
GRACE VIRGINIA OLDIELD
HOLLY MARIE POWERS
STEPHANIE LAUREN PRINCIPA

Master of Arts
MARISSE ANNETT GILINSKY
Agriculture Education
B.S., University of Delaware

Master of Science
LAWRENCE EDGAR BARRINGER
Entomology
B.S., Nebraska Wesleyan University

*Cum Laude candidate
†Summa Cum Laude candidate
‡Summa Cum Laude candidate
§Degree With Distinction candidate
OLUFEMI DANIEL BOLARINWA ......................................................Agricultural and Resource Economics
B.S.Ag, University of Agriculture-Abeokuta, Nigeria
B.A.Sc., University of Agriculture-Abeokuta, Nigeria

YIBAI CAI .................................................................Statistics
B.E., Zhejiang University, China
M.E., Shandong University, China

MEGAN PATRICIA CAPUTO .................................................Animal Science
B.S., Temple University

FEI CHE .................................................................Statistics
B.S., Yanshan University, China

AMANDA MADELAINE CONOVER ..............................................Wildlife Ecology
B.S., Pennsylvania State University

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SHIV AJIT AMIN
CAITLIN MAE AMODEI
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EMILY KELLY SCHWARTZ
BRIANNA ROSE SCOVILL
DOMENIC A. SEBASTIANI
SEPEHR SEPEHR
JONATHAN DONALD SEITZER

*Cum Laude candidate
†Magna Cum Laude candidate
‡Summa Cum Laude candidate
§Degree With Distinction candidate
### Bachelor of Arts (continued)

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*Cum Laude candidate  †Magna Cum Laude candidate  ‡Summa Cum Laude candidate  §Degree With Distinction candidate
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Master of Arts (continued)

MATTHEW CURTIS WELLS .............................................. Chemistry and Biochemistry
B.A., Franklin and Marshall College

DAVID E. WILLIAMSON ......................................................... Liberal Studies
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B.A., McDaniel College

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B.F.A., University of Alabama-Tuscaloosa

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HEATHER JEAN BEACH ..................................................... B.M., College of New Jersey

TRISTAN CHARLES BOSTOCK ........................................... B.A., Lebanon Valley College

JACOB ABRAM CLUE .......................................................... B.S., Radford University

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B.A., Lawrence University

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DANIELLE E PRECOURT ...................................................... B.M.A.S., University of Delaware

DANIEL BOLAND ROCHA .................................................. B.M., New York University

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TIMOTHY D. DESCHEPPER ........................................... B.S., Towson University

STEVEN M. FOX .............................................................. B.S., University of Delaware

MALIA GILBERT .............................................................. A.B., DePaul University

BENJAMIN CZENKUSH JOHNSON ..................................... B.A., University of Oklahoma

WANDA MARIE LOPEZ ...................................................... B.A., Baruch College
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**Master of Science**

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<td>B.S.</td>
<td>Lafayette College</td>
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<td>EVAN LAWRENCE KIMBERLY</td>
<td>B.A.</td>
<td>Lafayette College</td>
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<tr>
<td>AMANI FAWAZ KRAISHAN</td>
<td>B.A.</td>
<td>University of Delaware</td>
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<td>MICHAEL W. LATTANZI</td>
<td>B.A.</td>
<td>University of Delaware</td>
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<td>NADIA LEFPORTIRI</td>
<td>B.A.A.S.</td>
<td>University of Delaware</td>
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<td>TERESA MARIE LUPIA</td>
<td>B.A.</td>
<td>University of New Hampshire</td>
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<td>EMILY MARGARET MACDONALD-KORTH</td>
<td>B.A.</td>
<td>University of Delaware</td>
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Master of Science (continued)

AMANDA AYRES MALONEY ........................................ Art Conservation
B.A., New York University
M.A., Ryerson Polytechnical University, Canada

JULIANNNA ELIZABETH MANNISO .............. Disaster Science and Management
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GWEN BRENNA MANTHEY .................................... Art Conservation
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VISHNU MOHANAN .................................. Biological Sciences
B.Tech., Anna University, India

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B.S., Manipal Academy of Higher Education, India
M.Sc., Manipal Academy of Higher Education, India

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B.S., Richard Stockton College of New Jersey

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B.M.B.S., Liaocheng University, China

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B.A., McDaniel College

MICHELLE PUSEY ..................................... Biological Sciences
B.S., Immaculata University

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B.S., Dickinson College

TRACY ANN RIESENBERGER ...................... Biological Sciences
B.S., University of Delaware

BRITTANY ANN RIGGIO ................................. Chemistry and Biochemistry
B.S., Quinnipiac University

CAROLINE ISABEL ROBERTS .............................. Art Conservation
B.A.A.S., Smith College

TIFFANY SUSAN ROGERS .......................... Fashion Studies
B.S., University of Delaware

ERIC L. SABO ........................................ Applied Mathematics
B.S., University of Delaware

MICHAEL JAMES SCHEUERMANN .................... Chemistry and Biochemistry
B.A., La Salle University

CHRISTOPHER JARED SCHMOYER ..................... Biological Sciences
B.A.A.S., University of Delaware

MATTHEW R. SIMMONS .................................... Physics
B.A.A.S., University of Delaware

TEODOR K. STANEV ...................................... Physics
B.A.A.S., University of Delaware

YU SUN .......................................................... Applied Mathematics
B.S., Dalian University of Technology, China

KIRSTEN ELIZABETH TRAVERS .................... Art Conservation
B.F.A., SUNY-Purchase

BENJAMIN R. WALKER ...................... Disaster Science and Management
B.A.A.S., University of Delaware

JING WANG ................................................ Chemistry and Biochemistry
B.S., Peking University, China

STEPHANIE M. WATERS .................................. Biological Sciences
B.S., Millersville University of Pennsylvania

RENEE CATHERINE WOLCOTT ...................... Art Conservation
B.A., University of North Carolina-Chapel Hill
M.A., North Carolina State University-Raleigh

Professional Science Master

CHRISTOPHER WILLIAM AHMER ........................ Biotechnology
B.A.A.S., University of Delaware

BRETT FRIEDBERG .................................. Biotechnology
B.A.A.S., University of Delaware

Doctor of Philosophy

ADAM AGUIAR .............................................. Biological Sciences
B.S., Fairleigh Dickinson University-Madison

Dissertation: The Involvement of Insulin-Like Growth Factor Binding Protein 2 in Promoting Prostate Cancer Progression and Metastasis
Professor in charge of dissertation: Robert A. Sikes, Ph.D.

OZAN AKDOGAN .............................................. Physics
Lisans, Marmara University, Turkey

Professor in charge of dissertation: George Hadjipanayis, Ph.D.

ALI ASLAN ........................................ Political Science and International Relations
B.A., Fatih University, Turkey
M.A., Fatih University, Turkey
M.A., University of Delaware

Dissertation: Performing Turkey: Continuity and Change in Turkish Statecraft, 1990–2012
Professor in charge of dissertation: Daniel M. Green, Ph.D.

LORENA ALICIA BAINES ................................. Art History
B.A., University of Vermont
M.A., University of Delaware

Dissertation: Nicolaus De Bruyn (1571–1656) and the Art of the Professional Engraver
Professor in charge of dissertation: H. Perry Chapman, Ph.D.

LYDIA ROMANO BARHIGHT ............................... Psychology
B.A., Williams College
M.A., University of Delaware

Dissertation: Children's Physiological and Emotional Responses to Witnessing Bullying
Professor in charge of dissertation: Julie A. Hubbard, Ph.D.

DIEDRE ANDREA BEADLE .............................. Urban Affairs and Public Policy
B.A., Cabrini College
M.A., University of Delaware

Professor in charge of dissertation: Danilo Yanich, Ph.D.
GREGORY DANIEL BENJAMIN ........................................... Urban Affairs and Public Policy
B.S., King's College
M.P.H., Drexel University
Dissertation: Translating Policy Into Practice for Child Care Center Nutrition and Physical Activity Regulations
Professor in charge of dissertation: Leslie J. Cooney, Ph.D.

JOHANNA RENEE BICK ....................................................... Psychology
B.A., Trinity University
M.A., University of Delaware
Dissertation: Behavioral, Biological, and Psychological Correlates of Foster Mother-Infant Bond Formation
Professor in charge of dissertation: Mary Dozier, Ph.D.

MARY ELIZABETH BOGGS ..................................................... Biological Sciences
B.S., Wesley College-Delaware
Professor in charge of dissertation: Randall L Duncan, Ph.D.
Thomas P. Beebe Jr., Ph.D.

DEEANNA MARIE BUTTON ................................................... Criminology
B.S., Old Dominion University
M.S., Old Dominion University
Dissertation: Understanding the Experiences of LGBTQ Youth: A Mixed Methods Approach to Examining the Interrelationships Between General Peer Victimization, Negative Outcomes, and Social Support
Professor in charge of dissertation: Susan L. Miller, Ph.D.

MOUMITA CHATTERJEE ..................................................... Biological Sciences
B.Tech., West Bengal University of Technology, India
Dissertation: The Role of RHO GTPases in Breast Cancer Dormancy
Professor in charge of dissertation: Kenneth L. van Golen, Ph.D.

QIANG CHEN ................................................................. Applied Mathematics
B.S., Nanjing University of Science & Technology, China
M.S., Nanjing University of Science & Technology, China
M.A., University of Toledo
Dissertation: Convolution Quadrature Applied to Time Domain Acoustic and Electromagnetic Scattering Problems
Professor in charge of dissertation: Peter Monk, Ph.D.

SURESH CHEN .............................................................. Physics
B.S., University of Science and Technology of China, China
Dissertation: Functional Nanometer-Scale Structures
Professor in charge of dissertation: John Q. Xiao, Ph.D.

SUNGHEE CHOI .......................................................... Urban Affairs and Public Policy
B.A., Seoul National University, Republic of Korea
M.P.A., Seoul National University, Republic of Korea
Dissertation: National Policy and Community Cultural Democracy: Centralization and Decentralization of the Houses of Culture in Korea
Professor in charge of dissertation: Robert Warren, Ph.D.

FANG DAI .............................................................. Chemistry and Biochemistry
Bach., Nankai University, China
M.Sc., Nankai University, China
Dissertation: Dioxygen Activation and NOx Degradation by Low Valent Chromium Complexes
Professor in charge of dissertation: Klaus H. Theopold, Ph.D.

VIDYADHAR NARAYAN DAITHANKAR ................................ Chemistry and Biochemistry
B.S., University of Pune, India
M.S., University of Pune, India
Dissertation: Mechanistic Insights Into the ERV/ALR Family of Sulphhydryl Oxidases
Professor in charge of dissertation: Colin Thorpe, Ph.D.

PETER W. DEMATTEO ....................................................... Chemistry and Biochemistry
B.S.,Ch.E., Lehigh University
B.S., Lehigh University
M.S., Lehigh University
Dissertation: Synthesis of Pyrazines, Carbo cyclics, and Substituted Piperidines
Professor in charge of dissertation: Douglass F. Tabor, Ph.D.

MICHAEL R. EDSON ......................................................... English
B.A., Virginia Polytechnic Institute & State University
M.A., University of Delaware
Dissertation: Allegories of Abstraction: Retirement in Britain, 1660–1830
Professor in charge of dissertation: Charles E. Robinson, Ph.D.

REBECCA ELIZABETH FELLIN ......................................... Biomechanics and Movement Science
B.S., Rensselaer Polytechnic Institute
M.S., University of Delaware
Dissertation: The Effect of Gait Retraining on External Loading and Associated Bony Loading in Runners
Professor in charge of dissertation: Irene Davis, Ph.D., P.T.

VITTORIO NICHOLAS GALASSO ..................................... Political Science and International Relations
B.A.A.S., University of Delaware
M.A., University of Delaware
Dissertation: From Hegemony to Multiple Hierarchy: Bush, Free Trade Agreements and the Decline of the Multilateral Trade Order
Professor in charge of dissertation: Stuart J. Kaufman, Ph.D.

KIMBERLY BROOKE GILL .................................................. Sociology
B.A., Miami University Oxford Ohio
M.A., Columbia University Teacher's College
Dissertation: The Role of Community Engagement in Local and State Public Health Department Emergency Preparedness
Professor in charge of dissertation: Benigno Aguirre, Ph.D.

NILAY GUNDUZ AKDOGAN ........................................... Physics
Lisans, Marmara University, Turkey
Dissertation: Rare-Earth, 3d Transition Metal Nanoparticles and Nanoflakes by Surfactant-Assisted High-Energy Ball Milling
Professor in charge of dissertation: Robert F. Simons, Ph.D.

WILEY ALBANUS HALL IV ................................................ Chemistry and Biochemistry
B.S., University of Maryland-College Park
Professor in charge of dissertation: Muraly R. Johnston, Ph.D.

MATTHEW D. HASSINK ................................................... Chemistry and Biochemistry
B.S., College of William and Mary
Dissertation: Methods for C-C Bond Construction and 3D Imaging
Based on Strained Molecules
Professor in charge of dissertation: Joseph M. Fox, Ph.D.

ERIC HEHMAN .............................................................. Psychology
B.A., University of Massachusetts-Dartmouth
Dissertation: Approach and Avoidance Mechanisms as a Framework for Understanding Face-Recognition
Professor in charge of dissertation: Samuel L. Gaertner, Ph.D.
Professor in charge of dissertation: Anne S. Boylan, Ph.D.

ERIN K. KNIGHT ................................................................. Urban Affairs and Public Policy
B.A., University of Virginia
M.P.H., University of Minnesota-Minneapolis

Dissertation: Lost in Translation: The Professional Public Health Discourse of Poor Health
Professor in charge of dissertation: Danilo Yanich, Ph.D.

ROSALIND KOTZ ............................................................... Urban Affairs and Public Policy
B.S., University of Oregon
M.S., University of Oregon
M.S., University of North Carolina-Chapel Hill

Dissertation: The Spatial Concentration of Subsidized Housing
Professor in charge of dissertation: Steven W. Pesquelet, Ph.D.

ELLEN STEPHANIE KRAUTHAMER-EWING ........................... Psychology
A.B., Cornell University
M.A., Columbia University
M.A., University of Delaware

Dissertation: Affective, Cognitive, and Physiological Correlates of Maternal Sensitivity and Children's Outcomes in a Head Start Sample
Professor in charge of dissertation: Carroll E. Izard, Ph.D.

JASON WARREN KROMPINGER ............................................. Psychology
B.A., University of Notre Dame
M.A., University of Delaware

Dissertation: Electrophysiological Indicators of Abnormal Cognitive Control Processes in Depression
Professor in charge of dissertation: Robert F. Simons, Ph.D.
HEATHER LYNN LEHMAN ........................................................... Biological Sciences
B.S., Shippensburg University of Pennsylvania

Dissertation: Molecular Mechanisms of Farnesyl Transferase Inhibitor Treatment on Inflammatory Breast Cancer Cells
Professor in charge of dissertation: Kenneth van Golen, Ph.D.

LYNN A. LETUKAS ............................................................... Sociology
B.A., Millersville University of Pennsylvania

M.A., University of Delaware

Dissertation: The Ascent of Punditry: Media and the Construction of Cable News
Professor in charge of dissertation: Joel Best, Ph.D.

JASON S. LILLEY ................................................................. Linguistics
B.S., University of New Orleans
M.S., University of Illinois-Urbana-Champaign

M.A., University of Delaware

Dissertation: The Characterization of Phonetic Variation in American English
Schwa Using Hidden Markov Models
Professor in charge of dissertation: Irene Vogel, Ph.D.

TERRY GLENN LILLEY ......................................................... Sociology
B.A.A.S., University of Delaware
M.A., University of Delaware

Dissertation: “A Gentle Obstruction”: Professionalization’s Effects on Victim Services and Advocacy
Professor in charge of dissertation: Susan L. Miller, Ph.D.

QI LU .................................................................................. Physics
B.E., Zhejiang University, China

Dissertation: Nanostructured Electrodes for High-Performance Electrochemical Capacitors
Professor in charge of dissertation: John Q. Xiao, Ph.D.

MICHELLE M. LUCEY ........................................................... Biological Sciences
B.S., College of New Jersey
M.S., University of Delaware

Dissertation: Signaling Through G-Protein Alpha 15/16 Leads to Activation of RhoC GTPase and the Metastatic Phenotype to Pancreatic Cancer
Professor in charge of dissertation: Kenneth van Golen, Ph.D.

SHYAMA MAJUMDAR .......................................................... Biological Sciences
B.S.H., University of Delhi, India
M.Sc., Bangalore University, India

Dissertation: Cell Surface ATP Synthase: A Novel Mechanism for ATP Signaling in Osteoblasts
Professor in charge of dissertation: Randall Lyle Duncan, Ph.D.

KITTIPAT MALKIT ............................................................... Physics
B.Sc., King Mongkut’s Institute of Technology, Thailand
M.Sc., Chulalongkorn University, Thailand

Dissertation: Asymmetric Magnetic Reconnection: A Particle-In-Cell Study
Professor in charge of dissertation: Michael Shay, Ph.D.

ABBY LEIGH MANTHEY ........................................................ Chemistry and Biochemistry
B.S., Alma College

Dissertation: The Role of Sip1 in Lens Cell Differentiation and Posterior Capsular Opacification After Cataract Surgery
Professor in charge of dissertation: Melinda K. Duncan, Ph.D.

MARGUERITE KATHERINE MCDONALD .................. Chemistry and Biochemistry
B.S., University of the Ozarks

Dissertation: Post-Transcriptional mRNA Regulation in Neurons and Mechanisms of Post-Transcriptional RNA Modification IN VITRO
Professor in charge of dissertation: Junghuei Chen, Ph.D.

FAITH LEE SHAWN MILES .............................................. Biological Sciences
B.S., Oakwood College
M.S., Johns Hopkins University

Dissertation: TGF-Beta Signaling Induces Cytostatic and Anti-Metastatic Responses in Castrate-Resistant Prostate Cancer Cells and Modulates Paracrine Cytotoxic Effects of Bone Marrow Stromal Cells
Professor in charge of dissertation: Robert A. Sikes, Ph.D.

JENNIFER M. MILLER ........................................................... Mathematics
B.S., Bucknell University
M.S., University of Illinois-Urbana-Champaign

Dissertation: A Whole Greater Than the Sum of its Parts: Mathematically Modeling and Analyzing Swarms
Professor in charge of dissertation: Louis F. Rossi, Ph.D.

KATHLEEN A. MILLER ............................................................ English
B.A., McDaniel College
M.A., University of Delaware

Dissertation: Monstrous Creators: The Female Artist in Nineteenth-Century Women’s Gothic
Professor in charge of dissertation: Margaret D. Stetz, Ph.D.

ELIZABETH SEDLACK MONILLAS .................................. Chemistry and Biochemistry
B.S., Fairfield University

Dissertation: Characterization of Human Platelet Activating Factor Acetylhydrolase Type-II Oxidative Stress Response
Professor in charge of dissertation: Brian J. Balinoff, Ph.D.

DOROTHY MOSS ................................................................. Art History
A.B., Smith College
M.A., Williams College

Dissertation: Translations, Appropriations, and Copies of Paintings at the Dawn of Mass Culture in the United States, Circa 1900
Professors in charge of dissertation: Michael Leja, Ph.D.
Margaret Werth, Ph.D.

NATHEN J. MURAWSKI ....................................................... Psychology
B.A., California State University-Sacramento

Dissertation: The Neural Basis of Context Learning in a Rat Model of Fetal Alcohol Spectrum Disorders
Professor in charge of dissertation: Mark E. Stanton, Ph.D.

AMANDA JOELLE NORBUTUS .............................................. Preservation Studies
B.A., College of the Holy Cross
M.S., Villanova University

Professor in charge of dissertation: Joyce Hill-Stoner, Ph.D.

TIMOTHY TODD O’BOYLE .................................................. Urban Affairs and Public Policy
A.B., Guilford College
M.S., North Carolina Agricultural and Technical State University

Dissertation: Municipal Broadband in Wilson, North Carolina: A Study
Professor in charge of dissertation: Robert Warren, Ph.D.

MARY ELIZABETH OKSALA ..................................................... Physics
B.S., West Chester University of Pennsylvania

Dissertation: Observations and Models of Centrifugally Supported Magnetospheres in Massive Stars
Professor in charge of dissertation: Stanley Owocki, Ph.D.

MADELEINE JAYE PAGE ....................................................... Psychology
B.A., Roger Williams University
M.A., University of Massachusetts-Dartmouth

Dissertation: The Effect of Potential Partner Social Value Orientation on Attraction to Relationships at Zero-Acquaintance
Professor in charge of dissertation: D. Michael Kuhlman, Ph.D.
RAJDEEP PAKANATI .............................................. \textit{Political Science and International Relations}  
B.A., Kakatiya University, India  
M.A., Jawaharlal Nehru University, India  
M.Phil., Jawaharlal Nehru University, India  
M.A., University of Delaware  
\textit{Dissertation:} Adoption of Freedom of Information Laws in India, South Africa and the United Kingdom: A Comparative Study  
\textit{Professor in charge of dissertation:} Matthew S. Weinert, Ph.D.  

TULASI NANDAN PARASHAR .............................................. \textit{Physics}  
B.S., Punjabi University, India  
M.S., Indian Institute of Science, India  
\textit{Dissertation:} On Kinetic Dissipation in Collisionless Turbulent Plasmas  
\textit{Professor in charge of dissertation:} Michael A. Shay, Ph.D.  

BRYAN MATTHEW PETRAK .............................................. \textit{Mathematics}  
B.S., University of Mary Washington  
M.S., Miami University-Oxford, Ohio  
\textit{Dissertation:} Finite Figueroa Planes  
\textit{Professor in charge of dissertation:} Felix Lazebnik, Ph.D.  

JAMES NELSON PLAMPIN III .............................................. \textit{Chemistry and Biochemistry}  
B.S., University of South Carolina  
\textit{Dissertation:} Examining the Role of Helicity in Asymmetric Induction in Salen Catalysis  
\textit{Professor in charge of dissertation:} Joseph Fox, Ph.D.  

JURIS PUPCENOKS .............................................. \textit{Political Science and International Relations}  
B.A., Westminster College-Missouri  
M.A., University of Delaware  
\textit{Dissertation:} Ethnicity, Not Religion: Mobilization and Reactive Conflict Spillover in Muslim Migrant Communities  
\textit{Professor in charge of dissertation:} Mark J. Miller, Ph.D.  

COLLEEN FRANCES RAFFERTY .............................................. \textit{History}  
B.A., Gwynedd-Mercy College  
M.A., Villanova University  
\textit{Dissertation:} To Establish an Intercourse Between Our Respective Houses: Economic Networks in the Mid-Atlantic, 1735–1815  
\textit{Professor in charge of dissertation:} Cathy Matson, Ph.D.  

LAURA ANNE RAPP .............................................. \textit{Sociology}  
B.S., Old Dominion University  
M.A., Old Dominion University  
\textit{Dissertation:} Women in Romantic Relationships With Convicted Sex Offenders  
\textit{Professor in charge of dissertation:} Chrysanthi Leon, Ph.D.  

MANSOOR UR REHMAN .............................................. \textit{Physics}  
B.Sc., University of the Punjab, Pakistan  
M.Sc., Quaid-I-Azam University, Pakistan  
M.Phil., Quaid-I-Azam University, Pakistan  
\textit{Dissertation:} Realistic Inflation Models and Primordial Gravity Waves  
\textit{Professor in charge of dissertation:} Qusar Shafi, Ph.D.  

CARA BETH ROBINSON .............................................. \textit{Urban Affairs and Public Policy}  
B.A., Concord University  
M.A., University of Delaware  
\textit{Dissertation:} Informing Democracy?: Election Coverage by Cable News Networks in the 2008 Presidential Election  
\textit{Professor in charge of dissertation:} Danilo Yanich, Ph.D.  

KAREN KOTZUK RYDER .............................................. \textit{History}  
B.S., Indiana University of Pennsylvania  
M.A., University of Delaware  
\textit{Dissertation:} “Permanent Property”: Slave Life Insurance in the Antebellum Southern United States, 1820–1866  
\textit{Professor in charge of dissertation:} Peter Kolchin, Ph.D.  

MEREDITH LEE SCOTT .............................................. \textit{History}  
B.A., Millersville University of Pennsylvania  
M.A., University of Delaware  
\textit{Professor in charge of dissertation:} Owen White, Ph.D.  

JOHN DAVID SHAW .............................................. \textit{Physics}  
B.A.S.A., University of Delaware  
\textit{Dissertation:} Astrometric and Spectroscopic Surveys to Identify New Members of Young Nearby Stellar Associations and a Time Sequence Study of the Young Variable Star TWA 30  
\textit{Professor in charge of dissertation:} John E. Gizis, Ph.D.  

KAREN A. SHERRY .............................................. \textit{Art History}  
B.A., Boston University  
M.A., University of Delaware  
\textit{Dissertation:} Exposing the ‘Natural’ Woman: Female Bodies in American Visual Culture, 1785–1830  
\textit{Professor in charge of dissertation:} Wendy Bellion, Ph.D.  

THEODORE MYRON SICKLER .............................................. \textit{History}  
B.A., Pennsylvania State University  
M.A., Pennsylvania State University  
M.A., University of Delaware  
\textit{Dissertation:} The Servant’s Lament: Race, Labor, Markets, and Rural Reckonings in the Pennsylvania Backcountry of the Early Republic  
\textit{Professor in charge of dissertation:} Cathy Matson, Ph.D.  

CHOMDAO SINTHUVANICH .............................................. \textit{Chemistry and Biochemistry}  
B.S., Chulalongkorn University, Thailand  
\textit{Dissertation:} Designing Injectable “Beta-Hairpin” Hydrogels for Applications in Cartilage Tissue Engineering  
\textit{Professor in charge of dissertation:} Joel Schneider, Ph.D.  

KATHLEEN R. Slaugh-Sanford .............................................. \textit{English}  
B.A., King’s College  
M.A., University of Delaware  
\textit{Dissertation:} Declaring Genius: Literary and Scientific Claims of Artistic Genius in Late-Victorian Britain  
\textit{Professors in charge of dissertation:} Margaret D. Sterz, Ph.D.  
Ann L. Ardis, Ph.D.  

WOONGBEE SON .............................................. \textit{Urban Affairs and Public Policy}  
B.A., Kyonggi College, Republic of Korea  
M.A., University of Seoul, Republic of Korea  
\textit{Dissertation:} Citizen Participatory and Highly Performance e-Governance Realities in a Metropolitan City—A Case Study of e-Governance Website of Seoul, Korea  
\textit{Professor in charge of dissertation:} Robert Warren, Ph.D.  

MICHAEL P. STEIER .............................................. \textit{English}  
B.A., Virginia Polytechnic Institute & State University  
M.A., University of Delaware  
\textit{Dissertation:} Lord Byron and the Cosmopolitan Imagination, 1795–1824  
\textit{Professor in charge of dissertation:} Charles E. Robinson, Ph.D.  

MICHAEL THOMPSON TAYLOR .............................................. \textit{Chemistry and Biochemistry}  
B.S., Salisbury University  
\textit{Dissertation:} Applications of Highly Reactive Carbenoids and Chiral Olefins in Stereo-selective Synthesis and Bioorthogonal Labeling Chemistry  
\textit{Professor in charge of dissertation:} Joseph M. Fox, Ph.D.  

CLAUDIO ESTEBAN TORRES .............................................. \textit{Applied Mathematics}  
I.Eng., Universidad Tecnica Federico Santa Maria, Chile  
Mgr., Universidad Tecnica Federico Santa Maria, Chile  
M.S., University of Delaware  
\textit{Dissertation:} Ants, Slime Mold and Droplets: A Mathematical Foundation for Swarm-Based Network Models and Analysis of Droplet Motion  
\textit{Professor in charge of dissertation:} Louis Rossi, Ph.D.
CRISTINA TURDEAN  ................................................................. History
Dipl., Technical University of Cluj-Napoca, Romania
M.A., SUNY-Oneonta
M.A., University of Delaware
Professor in charge of dissertation: Arwen Mohun, Ph.D.

GABRIELA WASILESKI .............................................................. Criminology
Bach., Comenius University, Slovakia
Mgr., Comenius University, Slovakia
M.A., University of Delaware
Dissertation: Not So Obscure a Challenge: Battered Female Migrants and Public Policies in the United States and Greece
Professor in charge of dissertation: Susan L. Miller, Ph.D.

SARA ELIZABETH WILLIAMSON ................................................ History
B.A., Brown University
M.A., New School University
M.A., University of Delaware
Professor in charge of dissertation: Arwen Mohun, Ph.D.

KERRIN CHARLES WOLF ....................................................... Urban Affairs and Public Policy
B.A., College of William and Mary
J.D., College of William and Mary
Dissertation: An Exploration of School Resource Officer Arrests in Delaware
Professor in charge of dissertation: Danilo Yanich, Ph.D.

ANGELA WOLFE  ................................................................. Political Science and International Relations
B.A., West Virginia University
M.A., University of Delaware
Dissertation: Linking the Transnational and the Domestic in Social Movements: The Case of the Latin American Women’s Movement
Professor in charge of dissertation: Julio Carrion, Ph.D.

CHIA-YEN WU  ........................................................................ Biomedical Sciences
B.S., Chung Shan Medical & Dental College, Taiwan
M.S., National Cheng Kung University, Taiwan
M.S., SUNY-Buffalo
Dissertation: Function of the Survival Motor Neuron Protein in Cell Survival
Professors in charge of dissertation: Wenlan Wang, M.D., Ph.D.
Deni S. Galilio, Ph.D.

CHEN XU  .................................................................................... Physics
B.S., University of Science and Technology of China, China
Dissertation: Chemical Composition of Primary Cosmic Rays with Icecube
Professor in charge of dissertation: Thomas K. Gaisser, Ph.D.

HASAN YONTEN ................................................................. Political Science and International Relations
B.A., Boğaziçi University, Turkey
M.A., Boğaziçi University, Turkey
Dissertation: Multilateralism in International Migration: A Constructivist Approach with Empirical Insights
Professor in charge of dissertation: Robert A. Denemark, Ph.D.

NICOLE ELIZABETH ZANDER ................................................. Chemistry and Biochemistry
B.A., Saint Olaf College
Dissertation: Electrospun Nanofibers: Formation, Characterization, and Evaluation for Nerve Tissue Engineering Applications
Professor in charge of dissertation: Thomas P. Beebe Jr., Ph.D.

YANG ZHONG ........................................................................ Chemistry and Biochemistry
B.S., University of Science and Technology of China, China
Dissertation: Probing Small Molecule Solution Properties and Molecular Recognition Processes via Molecular Dynamics Simulations Incorporating Electrostatic Polarization
Professor in charge of dissertation: Sandeep Patel, Ph.D.

HAN ZOU .................................................................................... Physics
B.S., Fudan University, China
Dissertation: Spin Transport in Nanoscale Metallic Nonlocal Spin Valves
Professor in charge of dissertation: Yi Ji, Ph.D.
**Master of Arts (continued)**

RODLINA MARTE ......................................................... Economics and Entrepreneurship for Educators  
B.B., University of Southern Queensland, Australia  
M.B.A., Ateneo De Davao University, Philippines

MILDRED DUERO MEGARIBIO ............................................ Economics and Entrepreneurship for Educators  
A.B., Ateneo De Davao University, Philippines  
M.S., De La Salle University, Philippines

MARIEL A. MONTONEY ................................................... Economics  
B.A., Baldwin-Wallace College

BRAD T. OBUCHOWSKI ................................................... Economics  
B.A., Ohio State University

KYLE K. SLOWICK ......................................................... Economics  
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<th>Name</th>
<th>Degree/Institution</th>
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<tr>
<td>MARIA FARGO</td>
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<td>JOHN FLEITZ*</td>
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<td>KIMBERLEE GULLO FREICH</td>
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<tr>
<td>JANNICE ANN GASKA</td>
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<td>COURNEY ALYCE GLASGOW</td>
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<td>ALAN NEIL GLAZER</td>
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<td>ASHLEE NICKOLE GREENWELL</td>
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<td>NARMADA GUNAWARDENI ROSNER</td>
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<td>BRIAN TREMEYNE HARGRETT</td>
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<td>DONNA G. HAZEL</td>
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<td>YUQING HE</td>
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<td>BRADLEY Q. HOFFMAN</td>
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<td>ANDREW DENNIS HOPKINS</td>
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<td>SATHANANDAN K. PALANISAMY</td>
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<td>ALEXANDER MARK KARAHALIS</td>
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<td>ALVIANETTE KENNEDY*</td>
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<td>SCOTT FRANCIS KNOTE</td>
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<td>ANDRIS KRONBERGS</td>
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<td>MICHAEL LOVETT*</td>
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<td>ELISHA LOWE*</td>
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<td>DAN EDISON MASON JR.</td>
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<td>DENISE MARIE MUSUMECI</td>
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**Master of Business Administration (continued)**

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<th>Name</th>
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<tr>
<td>LEO JAMES NAJERA *</td>
<td>A.B., University of California-Berkeley</td>
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<td>FELIXANDER NEGRON</td>
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<td>FAUZIA NYABOSI</td>
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<td>PETER RATEMO NYABOSI</td>
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<td>JOSEPH NYGARD</td>
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<td>MICHAEL OJO *</td>
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<td>REBECCA ALANE PETERSON</td>
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<td>ERAST Z. POHORYLO</td>
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<td>CHERISH RAJ</td>
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<td>ADESH RAMAN</td>
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<td>SANDEEP RATH</td>
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<td>WEIDA REN</td>
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<td>BRIAN JUSTIN RICHARDS</td>
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<td>W. D’ANGELO RICHARDSON</td>
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<td>JACOB MATHIAS RUBINSTEIN</td>
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HUIJIAN DONG .................................................. Economics  
B.E.E., South China University of Technology, China  
M.E., Jinan University, China  

Dissertation: International Financial Markets Contagion: Determinants and Consequences  
Professors in charge of dissertation: William R. Latham III, Ph.D.  
Helen M. Bowers, Ph.D.

Doctor of Philosophy  
LAURA ELEONORA COJOCARU .................................. Economics  
Econ., Bucharest Academy of Economic Studies, Romania  
M.A., University of Delaware  

Dissertation: Financial Development, Growth, Inequality and Poverty: Evidence from the Former Communist Countries  
Professor in charge of dissertation: Jeffrey B. Miller, Ph.D.
Doctor of Philosophy (continued)

CONG GAO .................................................................................. Economics
B.A., Beijing University of Aeronautics & Astronautics, China
M.S., University of Delaware
Dissertation: How the Changes of Regulation Affect the Innovation Activity of Firms
Professor in charge of dissertation: William R. Latham III, Ph.D.

JOHN MATHEW GOODENOUGH .................................................. Economics
B.A., University of Maryland-College Park
M.A., University of Delaware
Professor in charge of dissertation: William Latham III, Ph.D.

PAUL ROBERT LARSON ................................................................. Economics
B.A., Ripon College
M.A., University of Delaware
Dissertation: Reversing Tenure: A Proposal for a New Compensation Paradigm for Public School Teachers
Professor in charge of dissertation: Michael A. Arnold, Ph.D.

DMITRY VOLODIN ........................................................................ Economics
B.A., Tyumen State University, Russian Federation
M.A., Ohio University
Dissertation: The Effects of Inventor Mobility, Inventive Team Characteristics, and the Patent Examination Process on Patent Values
Professor in charge of dissertation: William R. Latham III, Ph.D.
COLLEGE OF EARTH, OCEAN, AND ENVIRONMENT
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B.A.A.S., University of Delaware

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B.Sc., University of Liverpool, United Kingdom

Dissertation: Patterns and Causes of Spatial and Temporal Variation in Growth Rates of Early Juvenile European Plaice Pleuronectes Platessa
Professor in charge of dissertation: Timothy E. Targett, Ph.D.

ERIC DEANS ................................................................. Marine Studies
B.S., University of the West Indies Mona Cam, Jamaica
A.S.-M.S., University of Wales, United Kingdom

Dissertation: Cargo Flow Dynamics Influenced by the Expansion of the Panama Canal
Professor in charge of dissertation: James Corbett, Ph.D.

ETHAN EDWARD FROST .......................................................... Climatology
B.A., Clark University
M.S., University of Delaware

Dissertation: Hydrological and Biogeochemical Variation of Stemflow from Live, Stressed, and Dead Fagus Grandifolia (EHRH.) [American Beech] and Liriodendron Tulipifera (L.) [Yellow Poplar] Trees in a Mid-Atlantic Broadleaved Deciduous Forest
Professor in charge of dissertation: Delphis Levia, Ph.D.

JOSEPH D. GEMAN ............................................................. Ocean Engineering
H.B.A., McDaniel College
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Dissertation: Forced Vortex Dynamics in the Surfzone
Professor in charge of dissertation: James T. Kirby, Ph.D.

SHANNON LYONS GREEN ......................................................... Marine Studies
A.B., Washington University-Saint Louis
M.Eng.Sc., Duke University

Dissertation: Organizing Professionals and Stakeholders to Conduct Ecosystem-Based Fisheries Management: A Case Study in Chesapeake Bay
Professor in charge of dissertation: Wilker M. Kempston, Ph.D.
Lee G. Anderson, Ph.D.

EMILY LAUREN HARRISON ......................................................... Marine Studies
B.S., University of Wisconsin-Madison

Dissertation: The Effects of Rainfall on the Ocean Surface at Low to Moderate Wind Speed
Professor in charge of dissertation: Fabrice Veron, Ph.D.

JENNIFER HIRAS ................................................................. Marine Studies
B.S., Rider University

Dissertation: Characterization of a Novel Redox Active Thiol from Chlorobaculum Tepidum
Professor in charge of dissertation: Thomas E. Hanson, Ph.D.

SHIH-MING KAO ................................................................. Marine Studies
B.S., National Sun Yat-Sen University, Taiwan
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Dissertation: Assessing Regional Cooperation Among All Parties as an Alternative to Sovereignty Disputes in the South China Sea
Professor in charge of dissertation: Jeremy M. Firestone, Ph.D.

ANDREW STEVEN MADISON ..................................................... Oceanography
B.S.A.S., University of Delaware

Dissertation: Biogeochemical Cycling of Soluble Manganese(III) in Marine (Pore) Waters
Professor in charge of dissertation: George W. Luther III, Ph.D.

MICHAEL P. MCGINLEY ......................................................... Marine Studies
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Dissertation: The Impact of Environmental Stress on Symbiodinium SPP: A Molecular and Community-Scale Investigation
Professor in charge of dissertation: Mark E. Warner, Ph.D.

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Dissertation: An Analysis of Voluntary Environmental Actions for Marine Highways: A Stakeholder Perspective
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ELS A.C. NICKL ................................................................. Climatology
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Dissertation: Variability in Land Surface Precipitation Estimates Over 100-Plus Years with Emphasis on Mountainous Regions
Professor in charge of dissertation: Tracy L. Deliberry, Ph.D.

NICOLE ALANNA RAINEAULT ..................................................... Geology
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Dissertation: Morphodynamics of Hard-Bottom Habitats in the Delaware Bay and Atlantic Inner Shelf
Professor in charge of dissertation: Arthur Trebanis, Ph.D.

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Dissertation: High Frequency Acoustic Propagation Under Variable Sea Surfaces
Professor in charge of dissertation: Mohsen Badiey, Ph.D.

JENNIFER JOY STEWART ......................................................... Marine Studies
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Dissertation: Nitrate Deductase Sequence Analysis and Expression in the Raphidophytes, Heterosigma Akashiwo and Chattonella Subsalsa
Professor in charge of dissertation: Kathryn J. Coyne, Ph.D.

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Dissertation: Controls and Dynamics of Canopy-Derived Dissolved Organic Matter from Co-Dominant Broadleaved Deciduous Canopies to the Soil of a Temperate Catchment in the Northeastern United States
Professor in charge of dissertation: DeLphis F. Levia, Ph.D.

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Dissertation: The Role of the Kuroshio Extension in the Pliocene-Pleistocene Climate Transition
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Dissertation: The Influence of Wind-Driven Upwelling and Discharge Variability on the Biogeochemistry of the Lower Delaware Bay
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Dissertation: Examining Effectiveness in Regional Ocean Governance Regimes: A Case Study of the 1992 Convention for the Protection of the North-East Atlantic
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AMIE GLENN BERLANT
SARAH MARIE BERRUE
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Melanie Elizabeth Burke
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Kelsey Lynn Coiro
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Hannah Elizabeth Elowson
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Lauren Marie Fox
Kayla Christine Garner
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Amanda Diane Gill
Stephanie Gfeit
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Aimee Kate Handelman
Marisa Michelle Hauenstein
Katherine Christine Hellige
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Megan Ann Howe
Erin Elizabeth Howley
Jacyln Dianne Hoyt
Erin Morgan Hyomowitz
Bridget Sheehan Irish
Mariel Elizabeth Jacobs
Michelle Lyndia Jenkins
Billie Ann Jobson
Carrie Lynn Johnson
Jessica Anne Kapes
Traci Amanda Kaplan
Sarah Grace Kathan
Sung Grace Kim
### Bachelor of Science in Education (continued)

<table>
<thead>
<tr>
<th>Name</th>
<th>College of Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAN WEANER</td>
<td>B.S., Rutgers University College of Art and Science</td>
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<tr>
<td>CASSANDRA L. VOGEL</td>
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<td>ERIC CHRISTOPHER PIZZINI</td>
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<td>KANDIA NNEKA LEWIS</td>
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<td>JAN WEANER</td>
<td>B.A., Syracuse University</td>
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</tbody>
</table>

### Educational Specialist

<table>
<thead>
<tr>
<th>Name</th>
<th>College of Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>EILEEN MARIE DE LA CRUZ</td>
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<tr>
<td>MARY ANN HICKS</td>
<td>B.A.A.S., University of Delaware</td>
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<td>MARK ANTHONY DEGLI OBIZZI JR</td>
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<td>KANDIA NNEKA LEWIS</td>
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<td>JAN WEANER</td>
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### Honors Bachelor of Science

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<td>MICHELLE ELIZABETH GUNN</td>
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<td>SHANE STEFAN PALKOVITZ</td>
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### School Psychology

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### Master of Arts

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*Cum Laude candidate †Magna Cum Laude candidate ‡Summa Cum Laude candidate §Degree With Distinction candidate
AMANDA LASICKI ........................................... Counseling in Higher Education  
B.A., Rochester Institute of Technology

SARAH E. LEMONTE ........................................... School Psychology  
B.S., Brigham Young University

DARA LIPSCHUTZ ........................................... School Psychology  
B.S., Pennsylvania State University

LINDSEY SUSANNE MANTZ ........................................... School Psychology  
B.A., Franklin and Marshall College

REBECCA LEE MCGRAW ........................................... School Psychology  
B.A., University of Virginia

RYAN SHEA MOONEY ........................................... Counseling in Higher Education  
B.S., University of Scranton

CAILI OUYANG ........................................... Teaching English as a Second Language  
B.A., Hunan University China  
M.A., University of Delaware

LYNDA MARIA PAGAN ........................................... School Psychology  
B.A., College of New Jersey

JAZMYN S. PULLEY ........................................... Counseling in Higher Education  
B.A.A.S., University of Delaware

RUWIDA ALKREKSHI RAMADAN ........................................... Teaching English as a Second Language  
M.B.A., Goldy-Beacom College

AARON GRAY SALISBURY ........................................... School Psychology  
B.A., Saint Andrews Presbytery College  
M.S., University of North Carolina-Chapel Hill

RACHAEL L. SELWAY ........................................... Teaching English as a Second Language  
B.A.A.S., University of Delaware

ELIZABETH HAZEL SHORT ........................................... Counseling in Higher Education  
B.A., West Virginia Wesleyan College

SIDEN SIM ........................................... Teaching English as a Second Language  
B.Ed., Royal University of Phnom Pehn, Cambodia

KEVIN JAMES SPENCE ........................................... Teaching English as a Second Language  
B.A., University of South Florida  
M.S., Columbia University

PAUL T. SULZER ........................................... Counseling in Higher Education  
B.Mus., Temple University

JULIAN TAMAYO ........................................... Counseling in Higher Education  
B.A.A.S., University of Delaware

RACHAEL MAE TRODD ........................................... Education  
A.S.-B.A., Moravian College  
A.S.-B.S., Moravian College  
M.S., University of Delaware

JONATHAN DOUGLAS TROOP ........................................... Teaching English as a Second Language  
B.A.A.S., University of Delaware

KRISTIN ROSE VALLE ........................................... School Psychology  
B.A., Drew University

MELISSA SUE VANCAK ........................................... School Psychology  
B.A., Lafayette College

JAMES W. WEAVER ........................................... Teaching English as a Second Language  
B.A.A.S., University of Delaware

JOHN GRAY WILLIAMS ........................................... Counseling in Higher Education  
B.A., Virginia Polytechnic Institute & State University

SIZHU XIAO ........................................... Teaching English as a Second Language  
B.A., Hubei University of Economics, China

CHUNYAN YANG ........................................... School Psychology  
B.S., Huazhong Normal University, China  
M.S., University of Bristol, United Kingdom

Master of Arts in Teaching

BRIAN THOMAS BIAS ........................................... B.A., Northeastern University

ANDREW EDWARD CARROLL ........................................... B.A., Dickinson College

MICHELLE DEPUTRON ........................................... B.A.A.S., University of Delaware

TIMOTHY FRANCIS DORSEY ........................................... B.A.A.S., University of Delaware

CHERRE K. HAAS ........................................... B.A.A.S., University of Delaware

STEPHANIE MATSON ........................................... B.S., Elon University

LISA DIANE MCGOUGH ........................................... B.A.A.S., University of Delaware

MELISSA RHEIN ........................................... B.S., Bloomsburg University of Pennsylvania

JAMIE DALE SWEECKER ........................................... B.A.A.S., University of Delaware

DAVID ANTHONY TROMBELLO ........................................... B.A.A.S., University of Delaware

BROOKE NICOLE VREKEN ........................................... B.A.A.S., University of Delaware

Master of Education

JESSICA M. ADLER ........................................... Higher Education Administration  
A.B., Lehigh University

THOMAS E. BAKER ........................................... Educational Technology  
B.A.A.S., University of Delaware

MEGHAN ROSE CARPENTIER ........................................... Higher Education Administration  
B.S., Fordham University

KRISTEN M. CIOETA ........................................... Exceptional Children and Youth  
B.A., Muhlenberg College

JOHN MICHAEL CONWAY ........................................... Exceptional Children and Youth  
B.S., Wilmington University

Laurie Cannon Countryman ........................................... Exceptional Children and Youth  
B.S., University of Delaware

ALCIDES JAVIER CUMMINS ........................................... School Leadership  
B.S., University of Delaware

SARA A. EGNER ........................................... School Leadership  
B.A., Peabody Institute of the John Hopkins University

LAUREN NICHOLLE ELLIS ........................................... Higher Education Administration  
B.S., University of Delaware

ELISABETH ANNE FAZARANO DIEMER ........................................... Exceptional Children and Youth  
B.S., University of Delaware

MICHELLE FINEGAN ........................................... Exceptional Children and Youth  
B.S.Ed., University of Delaware

Holly Marie Golder ........................................... School Leadership  
B.A.A.S., University of Delaware
## Master of Education (continued)

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<td>SHELLEY P. GRABEL</td>
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## Master of Instruction

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<td>University of Delaware</td>
<td>School Leadership</td>
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<tr>
<td>TANYA NICOLE SERVIS</td>
<td>B.A.A.S.</td>
<td>University of Delaware</td>
<td>Higher Education Administration</td>
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<tr>
<td>TERESA A. SHARPE</td>
<td>B.A.</td>
<td>Wesley College-Delaware</td>
<td>School Leadership</td>
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<td>REBECCA E. STEIN</td>
<td>B.A.</td>
<td>Muhlenberg College</td>
<td>Higher Education Administration</td>
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<td>CHRISTINA LYNN TARRANT</td>
<td>B.S.Ed.</td>
<td>University of Delaware</td>
<td>Educational Technology</td>
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<tr>
<td>ANDREA ELIZABETH TRAYWICK</td>
<td>B.A.</td>
<td>Temple University</td>
<td>Exceptional Children and Youth</td>
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<td>TINA MARIA TRIMBLE</td>
<td>B.A.A.S.</td>
<td>University of Delaware</td>
<td>Higher Education Administration</td>
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<tr>
<td>ST.C. TRINSEY</td>
<td>B.A.A.S.</td>
<td>University of Delaware</td>
<td>Exceptional Children and Youth</td>
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<td>LAUREN FLORENCE TUCKER</td>
<td>B.S.B.</td>
<td>Saint Joseph’s University</td>
<td>School Leadership</td>
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<td>PATRICK WALTERS</td>
<td>B.S.H.P.</td>
<td>University of Delaware</td>
<td>Educational Technology</td>
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<td>STEWART CLINTON WILSON</td>
<td>B.S.</td>
<td>King’s College-New York</td>
<td>School Leadership</td>
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## Master of Instruction

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<th>Name</th>
<th>Degree</th>
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<tr>
<td>AMANDA MICHELLE BINKLEY</td>
<td>B.S.</td>
<td>Wilmington University</td>
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<tr>
<td>HEIDI FAUS CEBULA</td>
<td>B.A.</td>
<td>York College of Pennsylvania</td>
<td>Educational Leadership</td>
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<tr>
<td>JEFFREY DOMBCHIK</td>
<td>B.M.A.S.</td>
<td>University of Delaware</td>
<td>Education Leadership</td>
</tr>
<tr>
<td>DAVID JOSEPH FERRY III</td>
<td>B.A.</td>
<td>Saint Joseph’s University</td>
<td>Educational Leadership</td>
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<td>LORI ANN FONTEZ</td>
<td>B.A.</td>
<td>Rhode Island College</td>
<td>Educational Leadership</td>
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<td>RUTHLYNN FUCHS</td>
<td>B.S.</td>
<td>Rowan University</td>
<td>Educational Leadership</td>
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<td>KIMBERLY E. HASTINGS</td>
<td>B.S.Ed.</td>
<td>University of Delaware</td>
<td>Educational Leadership</td>
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<tr>
<td>NICOLE L. HOLTER</td>
<td>B.S.Ed.</td>
<td>University of Delaware</td>
<td>Educational Leadership</td>
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<td>KELEIGH ANN HURD</td>
<td>B.S.</td>
<td>Wilmington University</td>
<td>Educational Leadership</td>
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<tr>
<td>ALICIA M. JEFFERSON</td>
<td>B.S.Ed.</td>
<td>University of Delaware</td>
<td>Educational Leadership</td>
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<tr>
<td>KHA TLEN YOLIBETH KERRANE</td>
<td>B.A.A.S.</td>
<td>University of Delaware</td>
<td>Educational Leadership</td>
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<tr>
<td>ALANA ROSE KITT</td>
<td>B.S.Ed.</td>
<td>University of Delaware</td>
<td>Educational Leadership</td>
</tr>
</tbody>
</table>
Doctor of Education

JACQUELINE NOVELLE ALDRIDGE .............................. Educational Leadership
B.S., Tougaloo College
M.S., Wilmington University

Executive Position Paper: From Access to Success in Science: An Academic-Student Affair Intervention for Undergraduate Freshmen Biology Students
Professor in charge of executive position paper: Michael F. Middaugh, Ed.D.

YANAKA BERNAL ...................................................... Educational Leadership
B.S., Cornell University
M.Ed., University of Pennsylvania

Executive Position Paper: Creating Purposeful Teacher Web Pages to Enhance and Promote Stakeholder Understanding of Classroom Objectives
Professor in charge of executive position paper: Fred T. Hofstetter, Ph.D.

MARY CATHERINE BING ........................................ Educational Leadership
B.A., Arcadia University
M.A., Delaware State University

Executive Position Paper: Response to Intervention at North Laurel Elementary School: Implementation with Fidelity in Third Grade
Professors in charge of executive position paper: Robert L. Hampel, Ph.D.
Jacqueline O. Wilson, Ph.D.

MICHAEL HENRY BUONI ............................................. Educational Leadership
B.A.A.S., University of Delaware
M.A., University of Delaware

Executive Position Paper: Developing Secondary Science Teachers' Pedagogical Content Knowledge Through Effective Curriculum Materials
Professor in charge of executive position paper: Danielle Ford, Ph.D.

SARAH ANN CELESTIN ........................................... Educational Leadership
B.S.Ed., University of Delaware
M.Ed., University of Delaware

Executive position paper: "Do They Really Understand Our Kids?": Perceptions of Policymakers and Special Educators on Instruction for Students with Significant Intellectual Disabilities
Professor in charge of executive position paper: Laura T. Eisenman, Ph.D.

SHAWN R. SNYDER ........................................... Educational Leadership
B.S.Ed., Indiana University of Pennsylvania

Executive Position Paper: Literacy Intervention and Professional Learning Community Development Project at William Penn High School
Professor in charge of Executive Position Paper: Sharon Clarke Walpole, Ph.D.

JODY KELLY DALLAS ............................................. Educational Leadership
B.A.A.S., University of Delaware
M.A., University of Delaware

Executive Position Paper: Evaluation and Improving the State of Global Competency Within the Appoquinimink School District
Professor in charge of executive position paper: Elizabeth Nash Farley-Ripple, Ph.D.

SHARON LOUISE BOEBEL DIGIROLAMO ........................ Educational Leadership
B.A., Hartwick College
M.Ed., Marymount University Virginia

Executive Position Paper: An Analysis of the Effectiveness of Interventions to Assist English Language Learners at John M. Clayton Elementary School
Professor in charge of executive position paper: Frank B. Murray, Ph.D.

KAREN R. GIRTON-SNYDER ....................................... Educational Leadership
B.A., Bloomsburg University of Pennsylvania
M.S., Bloomsburg University Pennsylvania

Executive Position Paper: An ePortfolio Model for the Art Institute of Philadelphia: A Tool for Assessment and Student Learning
Professor in charge of executive position paper: Fred T. Hofstetter, Ph.D.

KENNETH L. GOODWIN JR. ...................................... Educational Leadership
B.S., University of Missouri-St Louis
M.Ed., University of Delaware

Executive Position Paper: An Analysis of Programs and Implementation of Professional Learning Communities in the Red Clay Consolidated School District with Recommendations for Future Implementation
Professor in charge of executive position paper: Sharon Clarke Walpole, Ph.D.

CARMELITA CHRISTINE GRAHAM ............................ Educational Leadership
B.S., Richard Stockton College of New Jersey
M.A., Richard Stockton College of New Jersey

Executive Position Paper: Strategies for Using IPDS to Support Student Learning in the Millville School District
Professor in charge of executive position paper: Fred T. Hofstetter, Ph.D.


**Doctor of Education (continued)**

**JULIETTE NAZLE VERA DE GRUSELI** .................................. Educational Leadership
B.Ed., University of Belize, Belize
M.Ed., University of North Florida

**Executive position paper: An Inquiry into the School District’s Policy and Regulations About How Parents Elect Help for Their English Learner Children**
Professor in charge of executive position paper: Frank B. Murray, Ph.D.

**CHARMAINE MARIE HERRERA** .................................. Educational Leadership
B.S.Ed., University of Delaware
M.A., Wesley College-Delaware

**Executive Position Paper: Developing a Professional Learning Community**
Professor in charge of executive position paper: Robert L. Hampel, Ph.D.

**SHERRY SHARPE KJOWSKI** .................................. Educational Leadership
B.S., Millersville University of Pennsylvania
M.Ed., University of Delaware

**Executive Position Paper: The Development of School Culture at J. Ralph McIlvaine Early Childhood Center in the Caesar Rodney School District**
Professor in charge of executive position paper: Joan L. Buttram, Ph.D.

**LAURA MICHELE LEACH** .................................. Educational Leadership
B.S., Wesley College-Delaware
M.A., Wesley College-Delaware

**Executive Position Paper: Reforming Professional Development: Focusing on Teachers’ Practices**
Professor in charge of executive position paper: Robert L. Hampel, Ph.D.

**REGINA WECHTENHISER LOBACARO** .................................. Educational Leadership
B.S.H.E., University of Delaware
M.A., Delaware State University

**Executive Position Paper: Improving Instructional Outcomes in Correctional Settings: Using Data to Make Instructional and Process Improvements**
Professor in charge of executive position paper: Fred T. Hofstetter, Ph.D.

**ERNESTO B. LOPEZ** .................................. Educational Leadership
B.A., Gettysburg College
M.A., University of Delaware

**Executive Position Paper: Improving Access to Higher Education for Rural Latino Students in Sussex County, Delaware**
Professor in charge of executive position paper: Gail Rys, Ph.D.

**SHARON LYNN MOSSMAN** .................................. Educational Leadership
B.S., West Chester University of Pennsylvania
M.Ed., University of Delaware

**Executive Position Paper: Guiding Dental Hygiene Students in Creating Employment e-Portfolios That Can Help Them Find Jobs**
Professor in charge of executive position paper: Fred T. Hofstetter, Ph.D.

**REBECCA CRESSMAN PELTON** .................................. Educational Leadership
B.A., Alma College
M.Ed., Bowling Green State University

**Executive Position Paper: The Role of Online Surveys in Accreditation: Solving the Problem of “Cherry Picked” On-Site Interviews**
Professor in charge of executive position paper: Frank B. Murray, Ph.D.

**CAROLYN EATON QUINCI** .................................. Educational Leadership
B.A., SUNY-Binghamton
M.S.Ed., Alfred University

**Executive Position Paper: Understanding Transfer Students at the University of Delaware: Transition Experiences and Recommendations for Improving Services**
Professor in charge of executive position paper: Michael F. Middaugh, Ed.D.

**JOHN CHRISTIAN SCALI** .................................. Educational Leadership
B.A.A.S., University of Delaware
M.Ed., University of Delaware

**Executive Position Paper: Restructuring the Sequence of Chemical Concepts in the Curriculum: The Effect on Secondary Students’ Understanding of and Attitudes Toward Chemistry**
Professor in charge of executive position paper: Zoubeida R. Dagher, Ph.D.

**ABBY NOONAN SHUBERT** .................................. Educational Leadership
B.S., Pennsylvania State University
M.Ed., University of Delaware

**Executive Position Paper: Teaching Millennials: A Model for Integrating 21st Century Skills Into an English Language Arts Curriculum**
Professor in charge of executive position paper: Fred T. Hofstetter, Ph.D.

**TIMOTHY L. SNYDER** .................................. Educational Leadership
B.A., Bloomsburg University of Pennsylvania
M.S., Bloomsburg University of Pennsylvania

**Executive Position Paper: A Formative Evaluation of a New Curricular Model for the Art Institute of Philadelphia’s Web Design & Interactive Media Program**
Professor in charge of executive position paper: Fred T. Hofstetter, Ph.D.

**JENNIFER KUZEPPA SPECTER** .................................. Educational Leadership
B.S., Bowling Green State University
Ed.M.Ed., Bowling Green State University

**Executive Position Paper: Enhancing Alumni Engagement: Tradition-Building at the University of Delaware**
Professor in charge of executive position paper: Michael F. Middaugh, Ed.D.

**TALIA SHIRI ADALYAH SYKES** .................................. Educational Leadership
B.A., Rowan University
M.A., Rowan University

**Executive Position Paper: A Brand New World: An Evaluation and Recommendation for the New Graduate Student Connect Program at the University of Delaware**
Professor in charge of executive position paper: Gail Rys, Ph.D.

**JAMES BRETT TAYLOR** .................................. Educational Leadership
B.A., West Chester University of Pennsylvania
M.P.A., University of Rhode Island

**Executive Position Paper: An Analysis of Whether Delaware’s Charter Schools Should Have Access to Capital Funding**
Professor in charge of executive position paper: Frank B. Murray, Ph.D.

**IVETA ZIEGELBAUER TWEEDY** .................................. Educational Leadership
B.A., Concordia College-Moorhead
H.P.M.P.A., North Dakota State University-Fargo

**Executive Position Paper: Contributions to Student Learning: Aligning Student Affairs Assessment with Institutional Accreditation Improvement Goals**
Professor in charge of executive position paper: Michael F. Middaugh, Ed.D.

**JACQUELINE KAY WINSLOW** .................................. Educational Leadership
B.A.A.S., University of Delaware
M.A., University of Delaware

**Executive Position Paper: Improving Engagement, Satisfaction, and Retention Among Associate in Arts Students**
Professor in charge of executive position paper: Michael F. Middaugh, Ed.D.

**Doctor of Philosophy**

**BRIDGET ANNE BRENNAN** .................................. Educational Leadership
A.B., Bowdoin College
M.A., University of Delaware
Ph.D., University of Minnesota-Minneapolis

**Dissertation: Inquiry Into a Chemistry Graduate Teaching Assistant Professional Development Program**
Professor in charge of dissertation: Robert L. Hampel, Ph.D.
KAREN LEE DONEKER .............................................. Human Development and Family Studies  
B.S., Philadelphia University  
M.Ed., University of Delaware  
Dissertation: Caregiving of Aging Adults and Adults with Disabilities: Theoretical Foundations and Policy Alternatives  
Professor in charge of dissertation: Barbara H. Settles, Ph.D.  

RICHARD A. FEINBERG .............................................. Education  
B.A., Towson University  
M.A., West Chester University of Pennsylvania  
Dissertation: A Simulation Study of the Situation in Which Reporting Subscores Can Add Value to Licensure Examinations  
Professors in charge of dissertation: Ratna Nandakumar, Ph.D.; Howard Wainer, Ph.D.  

SARA BRUCE MCCRAW .............................................. Education  
B.A., James Madison University  
B.S., University of Maryland-College Park  
M.A., University of Delaware  
M.Ed., University of Delaware  
Dissertation: Little Writers—Big Opinions: The Impact of Exposing First Graders to Persuasive Writing  
Professor in charge of dissertation: David Lee Coker Jr., Ph.D.  

SOHYUN MEACHAM .................................................. Education  
B.A., Ewha Women's University, Republic of Korea  
M.A.T., Webster University  
Dissertation: Preschool Teachers' Language Use in Sociodramatic Play  
Professor in charge of dissertation: Carol Vukelich, Ph.D.  

KRISTINA M. NAJERA .............................................. Education  
B.S.Ed., University of Delaware  
M.S., Towson University  
Dissertation: How Sixth Grade Students Used Electronic Concept Mapping Technology to Write Narrative and Compare/Contrast Essays  
Professor in charge of dissertation: Rachel Karchmer-Klein, Ph.D.  

ZOI-APOSTOLIA PHILIPPAKOS ..................................... Education  
Ag-B.S.Ed., Democritus University of Thrace, Greece  
M.Ed., University of Delaware  
Dissertation: Effects of Reviewing on Fourth and Fifth-Grade Students' Persuasive Writing and Revising  
Professor in charge of dissertation: Charles A. MacArthur, Ph.D.  

AMANDA J. RICH ..................................................... Human Development and Family Studies  
B.A.A.S., University of Delaware  
M.A., Columbia University Teacher's College  
Professor in charge of dissertation: Steven M. Eidelman, M.S.W., M.B.A.  

JONATHAN D. RUBRIGHT ......................................... Education  
B.A.A.S., University of Delaware  
M.S., University of Pennsylvania  
Dissertation: Understanding How Item Response Theory Model Choice Impacts the Classification of Individuals Into Groups: Applications to the Mini-Mental State Examination  
Professor in charge of dissertation: Ratna Nandakumar, Ph.D.  

YI SONG ................................................................. Education  
B.A., Tsinghua University, China  
M.A., University of Delaware  
Dissertation: Teaching Critical Questions About Argumentation Through the Revising Process: Effects on College Students' Argumentative Essays  
Professor in charge of dissertation: Ralph P. Ferretti, Ph.D.  

JULIA DAWN EICHHORN VOLPE ..................... Human Development and Family Studies  
B.A.A.S., University of Delaware  
M.Ed., University of Delaware  
Dissertation: Retirement Transitions of Collegiate Student-Athletes Experiencing Career-Ending Injury  
Professor in charge of dissertation: Christine McCauley Ohannessian, Ph.D.  

KATHERINE S. VON DUYKE ...................................... Education  
B.S.A.S., University of Delaware  
B.S.H.R., University of Delaware  
Dissertation: BY and FOR Agency: Contrasting Views of Agency-Centered Education in Two Open Democratic Schools  
Professor in charge of dissertation: Eugene Matusov, Ph.D.  

ROBERT MORGAN WIEMAN ...................................... Education  
B.A., Williams College  
M.A., City University of New York's Graduate School and University Center  
Dissertation: Teachers Using Data to Improve Mathematics Instruction  
Professor in charge of dissertation: James Hiebert, Ph.D.  

BETHANY N. WILLIS HEPP ................................. Human Development and Family Studies  
B.A.A.S., University of Delaware  
M.S., University of Delaware  
Dissertation: An Examination of Openness in International Adoption  
Professor in charge of dissertation: Bahira Sherif Trask, Ph.D.
COLLEGE OF ENGINEERING
INTERIM DEAN BABATUNDE A. OGGUNNAIKE

Bachelor of Arts in Computer Science
SAIF ALKAABI
FAHAD SULAIMAN ALQARAWI
BAHADIR BASTAS
RAFAELE DEL PRETE
ZACHARY ALLEN FETTERMAN
GARETT JOHN JANSEN
ELVIS DANIEL LABOY
MATTHEW BLAIR MATERER
JOHN RYAN POWELL
IAN FENCHEL PRETTYMAN
MARK CHRISTOPHER QUEPPE
VERNIQUE MONET SIMMS
LEGARE ARTHUR SMITH
JOSHUA DALE WOLFORD

Bachelor of Chemical Engineering
ANDREW C. ABBOTT
KHALED SULTAN AL MAZROUEI
SHAN V. ANDREWS
DAVIE UDELL BAILEY
DEYAA MOHAMMED BASHEIKH
BENEDICT CHARLES BOCH
KI HEOK CHAE
CHRISTOPHER DONALD CHAPIN
YIN HANG CHENG
QUAN ANH DAN
SARA JANE DAVIDSON
PATRICK SHANE DELANEY
EDWARD CAPPE DEMING
JAMES RICHARD DOWD
BRIAN JAMES FUSCO
SARA JANE DAVIDSON
MATTHEW ISAAC ARENZ
EMMANUEL JOHN ANAGNOSTAKIS
SHAZIA AHMED
EMMANUEL JOHN ANAGNOSTAKIS
GABRIEL JOHN STARR ETT BISIO
CARL JOSEPH CLEARY
ANDREW RUSSELL CONSTANTINE II
STEVEN JAMES DAY
MICHAEL BRENDAN DEE
XIAOHANG GUO
COLLEEN CAREY HART
ANDREW PAUL HOLBROOK
ERIK BERNARD LAGER
DHANUNJAYA S. MANTENA
ZACHARY JUSTIN MIRO
JAMES EDWARD MURRAY
MICHAEL SCHULTZ-NAHRIN
NNAMDI SOMTO OKAFO
BHADRESH A. PATIL
JAY HARIDAS PATIL
ALLISON J. PATIERNO
ROBERT WILLIAM SERRANO
PAARMATH SINGH
QI TONG WENG
MICHAEL SHAPE WODOSLAWSKY
ANDREW ALEXANDER WRIGHT
BIN ZHU

Bachelor of Civil Engineering
JONATHAN MICHAEL PEO
HASAN ALI RABOU
MENG REN
MONTSERRAT RIPOLL
JAIME RAFAEL SANTIAGO
A. BENJAMIN SCHANTZ
ANDREW TIMOTHY SCHOTT
STEPHANIE LYNN SEYFERT
ROBERT F. SIDO
NIKHIL SITARAM
ALEXANDER WESLEY SMITH
MICHAEL BENJAMIN SMITH
RUSSELL GOTTLIEB STROHMAIER
KYLE GOKDON THOMAS
STEFANIE TIMMICK
PAUL DANIEL UNDERWOOD
HAO XIANG WANG
ANN MARIE WARDWELL
CARA MICHELLE WATSON
MATTHEW DAVID WEHRMAN
DAVID HAIGHT WEST

Bachelor of Electrical Engineering
PATRICK BRIAN LENIHAN
JOHN MICHAEL LOWE
CHRISTOPHER RYAN MANCO
DANIEL JAMES MANEY
JONATHAN MARINO
PAUL JAMES MABOTTA
RASHAD EMBILIS MARTIN
CONNOR SEAN MCCARTHY
ROBERT PATRICK MCGUIRK
JAMES ROBERT MEISTERICH
COLLIN PATRICK MOHR
STEVEN NICHOLAS MONIOUDIS
ELIZABETH WRIGHT MORGAN
DANIEL MATTHEW MYERS
CALEB DAVIS NELSON
TIMOTHY LIAM O’CONNELL
EVAN MICHAEL PANTALEO
JEFFREY GERHARD PATTERSON
MYLES DONALD POWELL
JULIANNE MEISTER PAGE
JORDAN GLENN MATTHEWS
BRETT ALLEN LANE
BRITTANY SASSO
LEIGH EMILY WEAVER
JASON PAVLOWSKY

Bachelor of Environmental Engineering
HILMI MURAT ATALAY
ANDREW ROBERT CLIFTON
JEFFREY THOMAS DIMARCO
VINCENT ANDREW FEDETZ
DREW RONALD HORNISCHER
BRETT ALLEN LANE
SCOTT MALINOWSKI
KEVIN BRIAN MARRIN
STEPHEN VICTOR ORLANDO
GEORGE WILLIAM PALMER
MATTHEW PUTERIO
RYAN MICHAEL RICHARDSON
PAUL RODRIGUEZ
SAMUEL AUGUST SCHLAGTER
AUSTIN DREW SIEGFRIED
NAN WANG
YINGBO WANG
ADAM ROBERT WISNIEWSKI

Bachelor of Mechanical Engineering
DANIELLE MORGAN ABELL
RHY ALLEN AINSWORTH
CHANTEL LENA ALDRICH
ROBERT JOSEPH AMABILE

*Cum Laude candidate
†Magna Cum Laude candidate
‡Summa Cum Laude candidate
§Degree With Distinction candidate
### Master of Applied Sciences

- SARA EMILY PATTERSON, **Applied Science–Civil Engineering**, B.Arch., Rensselaer Polytechnic Institute

### Master of Chemical Engineering

- BRADLEY Q. HOFFMAN, **B.Ch.E.**, University of Delaware
- NA YOUNG KIM, **B.S.**, University of California-Berkeley
- ANDREW LAWRENCE MARSHALL, **B.Ch.E.**, University of Delaware
- LEIGH JIAN QUANG, **B.S.**, University of Maryland-College Park
- NIKKI LEA ROSS, **B.S.**, Johns Hopkins University
- JACOB L. WEINER, **B.S.**, University of Buffalo
- JANG HO YUN, **B.E.**, Korea University, Korea

### Master of Civil Engineering

- KELLY LYNN AMBROSE, **H.B.C.E.**, University of Delaware
- STEPHEN FRANCIS BEAVER, **B.S.**, Pennsylvania State University
- RYAN MICHAEL GAGNIER, **B.S.C.E.**, Virginia Polytechnic Institute & State University
- MEGHAN ELIZABETH GLOYD, **B.S.**, Virginia Polytechnic Institute & State University
- MICHAEL DREW HARBISON, **B.C.E.**, University of Delaware
- SEAN H. HUMPHREY, **B.C.E.**, University of Delaware
- BRIAN PATRICK JONES, **B.C.E.**, University of Delaware
- HOOYOUNG JUNG, **B.E., Myong Ji University, Republic of Korea**, **M.S., Myong Ji University, Republic of Korea**
- MOHAMAD KHOSRAVI, **Eg-B.C.E., Sharif University of Technology, Iran**, **M.Eg., Sharif University of Technology, Iran**
- AUTUMN NOEL KIDWELL, **B.S., Texas A & M University-College Station**, **B.S.C.E., Texas A & M University-College Station**
- MATTHEW J. LEONE, **B.C.E., University of Delaware**
- ANDREAS MCHUGH LICHLITER, **B.C.E., University of Delaware**
- LAUREN E. LOBO, **B.C.E., University of Delaware**
- MOSI FLOYD RICHARD LONDON, **B.S., Lafayette College**

### Master of Energy and Environmental Policy

- JASON A. LYON, **B.S., Wentworth Institute of Technology**
- CHANCE WILLIAM MALKIN, **B.C.E., University of Delaware**
- JAMES MANDALA, **H.B.C.E., University of Delaware**
- KYLE ERIC MICHELSON, **B.E.N.E., University of Delaware**
- NAMJU PARK, **B.S.E.P., Seoul National University of Technology, Republic of Korea**
- DREW EDWARD PAVLICK, **B.C.E., University of Delaware**
- JILL A. PIETROPAOLO, **B.S., Villanova University**
- DAVID WILLIAM REINHOLD, **B.S.A.S., University of Delaware**
- RICHARD MICHAEL SAVONA II, **B.C.E., University of Delaware**
- JEREMY SCHINASI, **H.B.C.E., University of Delaware**
- MATTHEW BRADFORD SEGERMAN, **B.C.E., University of Delaware**
- ANN MARIE SHAWLER, **B.S., West Virginia University**
- TIMOTHY MICHAEL SLIWINSKI, **B.S., Rose-Hulman Institute of Technology**
- BRIAN FRANKLIN THOMAS, **B.C.E., University of Delaware**
- YUE WANG, **Bach., Hunan University China**, **B.E., Hunan University China**
- YUN-TA YEH, **B.S., Chung Yuan Christian University, Taiwan**

### Master of Energy and Environmental Policy

- JEREMIAH ALAN COUEY, **B.S., Kansas State University**
- ANNE-MARIE L. CROSSAN, **M.S., Pennsylvania State University**
- CATHERINE SOFIA CRUZ-ORTIZ, **B.S., Pennsylvania State University**
- BENJAMIN A. DODGE, **B.S.B., Endicott College**
- TINGTING HAN, **Dipl., Murdoch University, Australia**
- REBECCA L. HROMIKO, **B.S., Slippery Rock University of Pennsylvania**
- TIFFINI ROSE JOHNSON, **B.S., Delaware State University**
- PATRICK CARTER KERRANE, **B.A.A.S., University of Delaware**
KENNETH OGADA ................................. B.A.S., University of Delaware
M.P.A., University of Delaware

ALEX OKHRIMENKO .................................. Bakalayr, Sumy State University, Ukraine
Diplom. S., Sumy State University, Ukraine

JOSEPH M. PEREIRA .................................. B.A., Metropolitan State University

RADLEY T. REIST .................................... H.B.A., University of Delaware

ZACHARY BACHRACH SCHAFFER .......................... H.B.A., University of Delaware

YO HAN SONG ....................................... B.A., Seoul National University, Republic of Korea
M.B.A., Seoul National University, Republic of Korea

MATTHEW L. STERN ................................ B.S., University of Pittsburgh

GHIWUK YANG ........................................ B.E., Seoul National University, Republic of Korea

JEONGWON YUN ...................................... B.E., Seoul National University, Republic of Korea

Master of Materials Science and Engineering

LAURA ELIZABETH CLINGER ............................... B.S., Roanoke College

TRANG HIEU HUYNH ..................................... B.S., DePaul University

ALEXANDRU T. NITICA .................................. B.S., West Chester University of Pennsylvania

ADAM JAMES RATZLAFF ............................... B.S., Winona State University

INGRID SPIELMAN ...................................... B.S.E., Johns Hopkins University

BIN WEI ................................................ B.S., University of Science & Technology-Beijing, China

BO XIE .................................................. B.S., Huazhong University of Science & Technology, China

MICHAEL HENRY ZEBERKIEWICZ ........................ B.Ch.E., University of Delaware

Master of Mechanical Engineering

DEIRDRE B. JAYKO ..................................... B.M.E., University of Delaware

DEREK ALBERT MAIER ............................... B.M.E., University of Delaware

Master of Science

JOHN DAVID ALLEN ................................... Electrical and Computer Engineering
B.E.E., University of Delaware

BILAL BAYINDIR ...................................... Computer Science
B.C.S.E., Kadir Has University, Turkey

XIA RI ................................................. Bioinformatics and Computational Biology
B.S., Johns Hopkins University

BENJAMIN TERENCE BIRO ............................. Computer Science
B.S.A.S., University of Delaware

CHRISTOPHER JAMES BOSTON ...................... Computer Science
B.S., Lehigh University

YASIN CELIK .......................................... Computer Science
B.C.S.E., Gazi University, Turkey

MEE KA CHANG ........................................... Computer Science
B.S., University of Delaware
B.S.A.S., University of Delaware

CAGHAN DEMIRCI ...................................... Computer Science
B.S., Boğaziçi University, Turkey

FERAY DEMIRCI ........................................... Computer Science
Lisans, Middle East Technical University, Turkey
M.S., Middle East Technical University, Turkey

MARTIN BERNAL DIAZ ................................ Electrical and Computer Engineering
Ig., Universidad Mayor, Chile
I.Eng., Universidad Mayor, Chile

SUPARNA GUNDAGATHI MANJUNATH ..................... Computer Science
B.E., Visvesvaraiyah Technological University, India

AISHWARYA BALA GURZAZDA ......................... Computer Science
B.Tech., Jawaharlal Nehru Technological University, India

ROBERT HAMPTON HILL HAISLIP ...................... Electrical and Computer Engineering
B.E.E., University of Delaware

DAVID MATTHEW HAMILTON ....................... Electrical and Computer Engineering
B.Cp.E., University of Delaware

INAKI IGLESIAS ............................................ Electrical and Computer Engineering
Ig., University of Navarra, Spain

SARI SAFAA KHALEEL ................................ Bioinformatics and Computational Biology
B.S., Georgetown University

NICOLE ANTONETTE KOTULAK ........................ B.A., College of Notre Dame of Maryland

VINCENT LY .............................................. Computer Science
B.S., Saint Joseph’s University

A. S. M. ASHIQUE MAHMOOD .............................. Electrical and Computer Engineering
B.S., Islamic University of Technology, Bangladesh

SERGIO BASILIO SEPULVEDA MORA .................... Electrical and Computer Engineering
B.S., La Universidad Francisco de Paula Santander

VIVEK NELAMANGALA .................................. Computer Science
B.Eng., Visvesvaraiyah Technological University, India

NURI NIHAT OZTURK ................................ Electrical and Computer Engineering
Lisans, Osmangazi University, Turkey

HARMAN PREET SINGH PATIAL .................... Computer Science
B.Eng., University of Pune, India

JOHN P. PETROPOULOS .................................... Electrical and Computer Engineering
B.E.E., University of Delaware

R. TYLER RICHARDSON ................................ Biomechanics and Movement Science
B.M.E., University of Delaware

MICHAEL CHRISTIAN ROMAN ..................... Electrical and Computer Engineering
B.E.E., University of Delaware

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**Master of Science (continued)**

CAGRISHAHIN .......................................................... Computer Science  
B.Cp.E., Selcuk University, Turkey

PHILIP JAMES SAPONARO JR. .................................Computer Science  
B.S.A.S., University of Delaware

ALPARSLAN SARI .......................................................... Computer Science  
B.S., Mersin Universitesi, Turkey

SUNIL SHRESTHA ...................................................... Electrical and Computer Engineering  
B.C.S.E., Southern Illinois University-Carbondale

STEPHEN CHARLES SIGWART .................................. Computer Science  
B.S., College of New Jersey

STEPHEN M. SUYDAM .................................................. Biomechanics and Movement Science  
B.S.M.E., University of Missouri

MIAO TANG .............................................................. Computer Science  
B.E.S., Huazhong University of Science & Technology, China  
M.Eng., Huazhong University of Science & Technology, China

TYLAR CURTIS TEMPLE .......................................... Electrical and Computer Engineering  
B.Cp.E., University of Delaware

AARON TERRELL THOMAS ....................................... Electrical and Computer Engineering  
B.Cp.E., University of Delaware

MUHSIN ZAHID UGUR .............................................. Computer Science  
B.A., Yildiz University Turkey

LU WANG ................................................................. Electrical and Computer Engineering  
B.E., University of Electronic Science and Technology, China

JANEEN LYNN-YAKAITIS WINNE ............................. Electrical and Computer Engineering  
B.S.E.E., Michigan State University  
M.Eng., University of Maryland-University College

**Doctor of Philosophy**

JULIE NICOLE LAWSON ALBERT ................................. Chemical Engineering  
B.S., University of Florida

**Dissertation:** Gradient Methods for Exploring Block Copolymer Thin Film Phase Behavior  
**Professor in charge of dissertation:** Thomas H. Epps, III, Ph.D.

AYSEGUL ALTUNBAS .................................................. Materials Science and Engineering  
B.S., Middle East Technical University, Turkey  
M.S., Hacettepe University, Turkey

**Dissertation:** Hierarchical Structures Based on Self-Assembling β-Hairpin Peptides and Their Applications as Biomaterials and Hybrid Materials  
**Professor in charge of dissertation:** Darrin J. Pochan, Ph.D.

AARON BALDWIN .................................................... Materials Science and Engineering  
B.S., California Polytechnic University, San Luis Obispo

**Dissertation:** Development of Polymer-Polysaccharide Hydrogels for Controlling Drug Delivery  
**Professor in charge of dissertation:** Kristi L. Kueck, Ph.D.

KORY M. BLOCKER ..................................................... Chemical Engineering  
B.S., Bucknell University

**Dissertation:** Development of a Tailorable and Tunable Mechanism for Cell-Responsive Substrate-Mediated Gene Delivery  
**Professors in charge of dissertation:** Millicent O. Sullivan, Ph.D.  
Kristi L. Kueck, Ph.D.

LIFAN XU ................................................................. Computer Science  
B.E., National University of Defense Technology, China

FAN YANG .............................................................. Computer Science  
B.Eng, Southeast University, China  
M.E., Southeast University, China

**Master of Science in Mechanical Engineering**

VARSHA BHAMBHANI ..................................................  
B.E., Rajiv Gandhi Proudyogiki Vishwavidyalaya-Bhopal, India  
M.S., Utah State University

ADITHYA BODDU ...................................................... B.Tech., Jawaharlal Nehru Technological University, India

MICHAEL ROBERT GIULIANO ........................................  
B.M.E., University of Delaware

JOHN STEWART HAMNETT ........................................  
B.M.E., University of Delaware

STEPHEN C. KOELLHOFFER ........................................  
H.B.M.E., University of Delaware

AMY LORRAINE LENZ ...............................................  
B.S., University of Wisconsin-Madison

XIN LI ................................................................. B.S., Chalmers University of Technology, Sweden  
B.Eng., Beijing Institute of Technology, China

JAMES JOHN SARGIANIS ............................................  
H.B.M.E., University of Delaware

JOSEPH R. WALTHER ..................................................  
B.M.E., University of Delaware

MURAT BOLAT ........................................................  
Electrical and Computer Engineering  
M.S., University of Delaware

**Dissertation:** Context-Aware Program Optimization  
**Professor in charge of dissertation:** Xiaoming Li, Ph.D.

VENKATA BHARAT RAM BOPPANA ............................... Chemical Engineering  
B.Tech., Anna University, India

**Dissertation:** Design and Analysis of Novel Photocatalytic Materials  
**Professor in charge of dissertation:** Raul F. Lobo, Ph.D.

BRIAN DAVID ROWES .................................................. Chemical Engineering  
B.S.Ch.E, University of Virginia

**Dissertation:** Protein Transport and Adsorption in Polymer-Modified Ion-Exchange Media  
**Professor in charge of dissertation:** Abraham M. Lenhoff, Ph.D.

ZACHARY THOMAS BRITTON ....................................... Chemical Engineering  
B.S., Carnegie Mellon University

**Dissertation:** Novel Approaches to the Expression and Purification of G Protein-Coupled Receptors  
**Professor in charge of dissertation:** Anne S. Robinson, Ph.D.

CORY BUDISCHAK ..................................................... Electrical and Computer Engineering  
B.E.E., University of Delaware

**Dissertation:** What Will be the Role of Solar Hydrogen in our Future Energy System?  
**Professor in charge of dissertation:** Keith W. Goosen, Ph.D.
ALVARO JOSE GONZALEZ ................................................................. Computer Science
B.E.E., Xavier Pontifical University, Colombia
M.S., University of Delaware

Dissertation: Predicting Protein-Protein Interactions and Their Interacting Interfaces with Statistical Learning Techniques
Professors in charge of dissertation: Li Liao, Ph.D.
Cathy H. Wu, Ph.D.

SARAH ELIZABETH GRIESEBACHER ............................................. Materials Science and Engineering
B.S., College of New Jersey
M.S., Rutgers University

Dissertation: Tunable Elastin-Mimetic Multiblock Hybrid Copolymers for Biomedical Applications
Professors in charge of dissertation: Xinqiao Jia, Ph.D.
Kristi Kiick, Ph.D.

LIANG GU ................................................................. Electrical and Computer Engineering
B.S., Shanghai Jiaotong University, China
M.S., University of Delaware

Dissertation: FFT Libraries on Heterogeneous Computers
Professors in charge of dissertation: Xiaoming Li, Ph.D.

TIAN GU ................................................................. Electrical and Computer Engineering
B.S., Beijing Institute of Technology, China

Dissertation: Chip-Scale Optical Interconnects
Professors in charge of dissertation: Michael W. Haney, Ph.D.

DANIELLE ANN HANSGEN ......................................................... Chemical Engineering
B.S., University of Washington

Dissertation: Rational Catalyst Design for the Ammonia Decomposition Reaction
Professors in charge of dissertation: Dionisos G. Vlachos, Ph.D.

RUUYING HAO ................................................................. Electrical and Computer Engineering
B.S., Sichuan University, China
M.S., Sichuan University, China

Dissertation: Design, Fabrication and Analysis of Thin Silicon Solar Cells Using Epitaxial Lateral Overgrowth to Increase the Voltage
Professors in charge of dissertation: Allen M. Barnett, Ph.D.

SOPHIA A. HARMES ......................................................... Energy and Environmental Policy
B.A., Millersville University of Pennsylvania
M.A., Towson University

Dissertation: Developing Household Food Insecurity Through Policies Reinforcing Dependency on Cultivating with Chemical Agricultural Inputs: A Case Study of Zambia's Chewa
Professors in charge of dissertation: Yda Schreuder, Ph.D.

NATHAN D. HOULD ................................................................. Chemical Engineering
B.E., SUNY-Stony Brook

Dissertation: Zeolite Beta Mechanisms of Nucleation and Growth
Professors in charge of dissertation: Raul F. Lobo, Ph.D.

IRENE J. HSU ................................................................. Chemical Engineering
B.S., Johns Hopkins University
M.Ch.E., University of Delaware

Dissertation: Novel Catalyst Synthesis Methods for Fuel Cell Applications
Professors in charge of dissertation: Jingguang G. Chen, Ph.D.

ZHENG HU ................................................................. Mechanical Engineering
B.S., Zhejiang University, China
M.S., Zhejiang University, China

Dissertation: Aerodynamics of Dragonfly Flight Based on Lift Measurements and Flow Field Analysis
Professors in charge of dissertation: Xinyang Deng, Ph.D.
**Doctor of Philosophy (continued)**

**HSIN-HSUN HUANG** ................................. Energy and Environmental Policy
B.A., National Chengchi University, Taiwan
M.A., National Chengchi University, Taiwan

Dissertation: An Investigation of Taiwan’s Persistent Environmental Plight: A Political and Ecological Critique of Science-Based Industrial Parks in Taiwan
Professor in charge of dissertation: John Byrne, Ph.D.

**QINGFENG HUANG** .............................. Mechanical Engineering
B.M.E., Beijing University of Aeronautics & Astronautics, China
M.E., Beijing University of Aeronautics & Astronautics, China

Dissertation: Experimental Study on Influence of Wing Rotation and Damage on Flapping Wing Aerodynamic Performance
Professor in charge of dissertation: Xin-Tan Deng, Ph.D.

**ASHAY DILEEP JAVADEKAR** ............................ Chemical Engineering
M.Ch.E., University of Delaware

Dissertation: Molten Metal Electrodes in Solid Oxide Fuel Cells
Professors in charge of dissertation: Douglas J. Buttrey, Ph.D.
Raymond J. Gorte, Ph.D.

**LE JIN** ..................................................... Computer Science
B.E., Harbin Institute of Technology, China
M.S., University of Science & Technology-Beijing, China
M.S., SONY-Stony Brook

Dissertation: Exploring Incomplete Planning Domain Knowledge Through Hypothesis Generation and Diagnostic Execution
Professor in charge of dissertation: Keith S. Decker, Ph.D.

**SUNG GOO KANG** ................................. Energy and Environmental Policy
B.S., Seoul National University, Republic of Korea
M.E., Chonbuk National University, Republic of Korea

Dissertation: The Sustainability, System, and Controversy of Communities’ Groundwater Control in Andhra Pradesh, India
Professor in charge of dissertation: Young-Doo Wang, Ph.D.

**KELLEY KEARNS** ........................................ Chemical Engineering
B.E., The Cooper Union for the Advancement of Science and Art
M.S., Rutgers University

Dissertation: Membrane Protein Purification and Characterization of Protein-Detergent Complexes
Professor in charge of dissertation: Abraham M. Lenhoff, Ph.D.

**MAJID KHABBAZIAN** ................................. Civil Engineering
B.C.E., Shahid Bahonar University of Kerman, Iran
M.S.C.E., Sharif University of Technology, Iran

Dissertation: Numerical Simulation of Geosynthetic Encased Columns Used Individually and in Group Configurations
Professors in charge of dissertation: Victor N. Kaliakin, Ph.D.
Christopher L. Meehan, Ph.D.

**JONGHYUN KIM** ...................................... Electrical and Computer Engineering
B.S., Kangnung National University, Republic of Korea
M.S., University of Delaware

Dissertation: Exploitation of Path Diversity in Cooperative Multi-Hop Wireless Networks
Professor in charge of dissertation: Stephan K. Bohacek, Ph.D.

**EzRA DAVID KISSEL** ................................. Computer Science
B.S.A.S., University of Delaware
M.S., University of Delaware

Professor in charge of dissertation: Martin Swany, Ph.D.

**BRIAN ANDREW KNAIR** ............................. Biomechanics and Movement Science
B.S.M.E., College of New Jersey
M.S.M.E., University of Delaware

Dissertation: Development of Musculoskeletal Models to Assess Muscle Weakness, Coordination, and Response to Rehabilitation in Persons Post-Stroke
Professor in charge of dissertation: Charles Swanik, Ph.D.

**HARUN KOKU** .................................................. Chemical Engineering
B.S., Middle East Technical University, Turkey
M.Sc., Middle East Technical University, Turkey

Dissertation: Microstructure-Based Analysis and Simulation of Flow and Mass Transfer in Chromatographic Stationary Phases
Professor in charge of dissertation: Abraham M. Lenhoff, Ph.D.

**JOHN DAVID LARSEN** ........................................ Computer Science
B.S., University of Wisconsin-Madison

Dissertation: Non-Viral Gene Delivery: An Inside-Out Approach
Professor in charge of dissertation: Millicent O. Sullivan, Ph.D.

**FENG LI** ................................................................. Computer Science
B.E.E., Fuzhou University, China
M.E.E., Shanghai Jiaotong University, China

Dissertation: A Hybrid Camera System for Low Light Imaging
Professor in charge of dissertation: Jingyi Yu, Ph.D.

**JING LI** ................................................................. Electrical and Computer Engineering
B.E., Wuhan University, China
M.E.E., Wuhan University, China
M.S., University of Delaware

Dissertation: Extrinsic Spin Relaxation in Silicon Spin Transport Devices
Professor in charge of dissertation: James Kolodzey, Ph.D.

**KE LI** ................................................................. Computer Science
B.S., Hunan University China
M.S., Shanghai Jiaotong University, China
M.S., University of Delaware

Dissertation: Heuristic solutions to Multi-Objective Optimization Problems in Wireless Networks
Professor in charge of dissertation: Chien-Chung Shen, Ph.D.

**WEN LI** ................................................................. Biomechanics and Movement Science
B.S., Huazhong University of Science & Technology, China
M.S., University of Delaware

Dissertation: In Situ Intracellular Calcium Imaging in Stimulated Bone
Professor in charge of dissertation: Liyun Wang, Ph.D.

**XIN LI** ................................................................. Chemical Engineering
B.Ch.E., Tsinghua University, China
M.Ch.E., Tsinghua University, China
M.Ch.E., University of Delaware

Dissertation: Investigation of \(\text{M}1\) Phase Molybdenum Based Mixed Metal Oxide Catalysts for Selective Oxidation of Propane
Professor in charge of dissertation: Mark A. Barceu, Ph.D.

**KEJING LIU** ................................................................. Electrical and Computer Engineering
B.S., Chongqing University, China
M.S., Brigham Young University

Dissertation: Exploiting Prior Knowledge in Information Processing
Professor in charge of dissertation: Javier Garcia-Frias, Ph.D.

**WILLIAM LONERGAN** ................................................. Chemical Engineering
B.S., University of Virginia

Dissertation: Structure-Property Relationship of Supported PT-3D Bimetallic Catalysts
Professor in charge of dissertation: Jingguang G. Chen, Ph.D.
XUESONG LU .............................................. Electrical and Computer Engineering  
B.S., Sichuan University, China  
M.S., Sichuan University, China  
Dissertation: Design, Fabrication, Characterization and Analysis of Wide Band Gap Gallium Phosphide Solar Cells  
Professor in charge of dissertation: Allen M. Barnett, Ph.D.

ZONGWEN LU .............................................. Mechanical Engineering  
B.E., Zhejiang University, China  
Dissertation: Mechanical Behavior of PEM Fuel Cell Membrane Electrode Assembly  
Professors in charge of dissertation: Michael H. Santare, Ph.D.  
Anette M. Karlsson, Ph.D.

GANGFENG MA .............................................. Civil Engineering  
B.E., Tongji University, China  
M.E., Tongji University, China  
Dissertation: Multiscale Numerical Study of Turbulent Flow and Bubble Entrainment in the Surf Zone  
Professor in charge of dissertation: James T. Kirby, Ph.D.

XIAOQIAN MA .............................................. Materials Science and Engineering  
B.S.E., Zhejiang University, China  
Dissertation: Driving Force for Molecular Characterization of Molecular Orientation in Electrospun Polymer Nanofibers  
Professor in charge of dissertation: John Rabolt, Ph.D.  
D. Bruce Chase, Ph.D.

TORAN DRUE MACLEOD ..................................... Biomechanics and Movement Science  
B.S., San Jose State University  
M.P.T., California State University-Sacramento  
M.S., California State University-Sacramento  
Dissertation: Neuromuscular Coordination Impairments: The Effect of ACL Injury and Reconstruction  
Professors in charge of dissertation: Thomas S. Buchanan, Ph.D.  
Lynn Snyder-Mackler, Sc.D., P.T.

GAYATHRI MAHALINGAM .................................. Computer Science  
B.C.S.E., University of Madras, India  
M.Math., University of South Florida  
M.S., University of Delaware  
Dissertation: Face Recognition/Verification Across Age Progression From Images and Videos  
Professor in charge of dissertation: Chandra Kambhamettu, Ph.D.

JOSEPH B. MANZANO ...................................... Electrical and Computer Engineering  
B.S., William Paterson University of New Jersey  
Dissertation: A Comparison Between Virtual Code Management Techniques  
Professor in charge of dissertation: Guang R. Gao, Ph.D.

YING MAO .................................................. Mechanical Engineering  
B.E., Zhejiang University, China  
Dissertation: CAREX: A Cable-Driven Arm EXoskeleton for Function Training of Arm Movement  
Professor in charge of dissertation: Sunil K. Agrawal, Ph.D.

RODNEY THOMAS TYLER MCGEE ......................... Electrical and Computer Engineering  
B.Cp.E., University of Delaware  
B.S.A.S., University of Delaware  
M.S., University of Delaware  
Dissertation: Care Studies in Multidisciplinary Systems Engineering  
Professor in charge of dissertation: Fouad E. Kamilev, Ph.D.

MOHAMMAD EREAN MOSTAFID ............................. Civil Engineering  
B.S.Ch.E, University of Tehran, Iran  
M.S.Ch.E, Shiraf University of Technology, Iran  
Dissertation: Assessing Aerobic Activity During Aerobic Bioreactor Landfilling and Quantifying Gas and Water Transport Properties of Landfill Biocovers  
Professor in charge of dissertation: Paul M. Imhoff, Ph.D.

CLARA PAOLA MURCIA SALAZAR .......................... Electrical and Computer Engineering  
B.E., University of The Andes, Colombia  
M.S., University of Delaware  
Professor in charge of dissertation: Allen M. Barnett, Ph.D.

JAMES GICHIU HI MUTHU ..................................... Electrical and Computer Engineering  
B.A., Bennington College  
M.S., University of Delaware  
Dissertation: Light Trapping in Thin Film Solar Cells Using Photonic Engineering Device Concepts  
Professor in charge of dissertation: Dennis Prather, Ph.D.

ROHIT NAIR ................................................. Electrical and Computer Engineering  
B.E., University of Pune, India  
M.S., University of Delaware  
Dissertation: Multi-Scale Reflection Modulator-Based Optical Interconnects  
Professor in charge of dissertation: Michael W. Haney, Ph.D.

MARY CATHERINE OPILA .................................... Civil Engineering  
B.S., Princeton University  
M.S., University of California-Berkeley  
Dissertation: Condition Scoring of Buried Sewer Pipes for Risk Based Decision Making  
Professor in charge of dissertation: Busby Nii O Attoh-Okine, Ph.D.

DANIEL ALBERTO OROZCO ................................ Electrical and Computer Engineering  
E.E., Universidad Pontificia Bolivar, Colombia  
Dissertation: TIDeFlow: A Dataflow-Inspired Execution Model for High Performance Computing Programs  
Professor in charge of dissertation: Guang R. Gao, Ph.D.

LIANG QIU .................................................... Electrical and Computer Engineering  
B.E., Beijing Institute of Technology, China  
Dissertation: Free Space Optical Coupling of Fiber Sensors Integrated with Structural Materials  
Professor in charge of dissertation: Keith W. Goossen, Ph.D.

MEGHAN JUSTINE REILLY .................................. Chemical Engineering  
B.S., University of Massachusetts-Amherst  
M.Ch.E., University of Delaware  
Dissertation: Histone-Mimetic Polyplexes as Self-Activating and Tatatable Gene Delivery Vehicles: A Strategy for Enhancing Non-Viral Transfection  
Professor in charge of dissertation: Millicent O. Sullivan, Ph.D.

AMY W. ROE .................................................. Energy and Environmental Policy  
B.A.,S., University of Delaware  
M.A., University of Delaware  
M.E.E.P., University of Delaware  
Dissertation: Swimming the Occidental Current: A Resource Hermeneutics of Fishery Collapse  
Professor in charge of dissertation: John Byrne, Ph.D.

MICHAEL SALCICCIOLI ...................................... Chemical Engineering  
B.Ch.E., University of Michigan-Ann Arbor  
Professor in charge of dissertation: Dionisios G. Vlachos, Ph.D.

ELISA SARAH SCHRANK .................................... Mechanical Engineering  
B.S., University of Virginia  
Dissertation: Compensatory Strategies to Walking with Customized Passive-dynamic Ankle-foot Orthoses  
Professor in charge of dissertation: Jill S. Higginson, Ph.D.  
Steven J. Stanlope, Ph.D.
Doctor of Philosophy (continued)

ERMAN SENÖZ ................................................................. Chemical Engineering
B.Ch.E., Boğaziçi University, Turkey
Dissertation: Pyrolyzed Feather Fibers for Adsorbent and High Temperature Applications
Professor in charge of dissertation: Richard P. Wool, Ph.D.

JAKOB SIEGEL ................................................................. Electrical and Computer Engineering
V.Dipl., Technische Akademie Esslingen, Germany
M.S., University of Delaware
Dissertation: A Tasking Framework to Handle LoadBalancing and Node Level Optimizations on Heterogeneous GPGPU Clusters
Professor in charge of dissertation: Xiaoming Li, Ph.D.

GIRIPRASAD SRIIDHARA .................................................. Computer Science
B.E., Bangalore University, India
M.S., University of Delaware
Dissertation: Automatic Generation of Descriptive Summary Comments for Methods in Object-Oriented Programs
Professors in charge of dissertation: Lori L. Pollock, Ph.D.
Vijay K. Shanker, Ph.D.

HONG SU ................................................................. Civil Engineering
B.E., Tongji University, China
M.E.C.E., Tongji University, China
Dissertation: Energy Absorption Capabilities of Composite Sandwich Panels Under Blast Loads
Professor in charge of dissertation: Jennifer Righman McConnell, Ph.D.

REZA TAROMI ............................................................. Civil Engineering
B.S., Islamic Azad University-Tehran, Iran
M.S., Iran University of Science & Technology, Iran
M.C.E., University of Delaware
Dissertation: A Multi-Objective Land Development Optimization Model
Professor in charge of dissertation: Ardeshir Faghihi, Ph.D.

CATALINA OANA TUDOR ................................................. Computer Science
B.A.A.S., University of Delaware
M.S., University of Delaware
Dissertation: Using Text Mining Techniques to Gather Gene-Specific Information from the Biomedical Literature
Professor in charge of dissertation: Vijay K. Shankar, Ph.D.

MAEVA S. TUREAU ......................................................... Chemical Engineering
B.S., Virginia Polytechnic Institute & State University
Dissertation: Probing the Phase Behavior of ABC Triblock Copolymers Near Network Phase Windows
Professor in charge of dissertation: Thomas H. Epps III, Ph.D.

FARSHID VAHEDFARD .................................................... Civil Engineering
B.S.C.E., Khajeh Nasir al-Din Toosi University of Technology, Iran
M.S., Bu Ali Sina University, Iran
M.C.E., University of Delaware
Dissertation: Seismic Displacement of Unreinforced and Reinforced Earth Structures
Professors in charge of dissertation: Christopher L. Meehan, Ph.D.
Dov Leshchinsky, Ph.D.

XIAOTING WANG ......................................................... Electrical and Computer Engineering
B.S., Zhejiang University, China
M.S., University of Delaware
Professor in charge of dissertation: Allen M. Barnett, Ph.D.

YI WANG ................................................................. Electrical and Computer Engineering
B.E.E., Zhejiang University, China
Professor in charge of dissertation: Allen M. Barnett, Ph.D.

JOHN PAUL WILSON .................................................. Electrical and Computer Engineering
B.S., University of Rochester
M.S., University of Rochester
Dissertation: Phenomenology and Design of a Full-Stokes Millimeter-Wave Sensor Based on Optical Up-Conversion
Professor in charge of dissertation: Dennis W. Prather, Ph.D.

PENG WU ................................................................. Computer Science
B.C.S.E., Peking University, China
Dissertation: Recognizing the Intended Message of Line Graphs: Methodology and Applications
Professor in charge of dissertation: Sandra Carberry, Ph.D.

CARISSA LEIGH YOUNG ................................................. Chemical Engineering
B.S.Ch.E, Georgia Institute Technology
Dissertation: Interrogation of Quality Control Mechanisms and Protein Trafficking in Saccharomyces cerevisiae
Professor in charge of dissertation: Anne Skaja Robinson, Ph.D.

WEN-SHIUE YOUNG .................................................. Chemical Engineering
B.S., National Taiwan University Taiwan
M.S., National Taiwan University Taiwan
Dissertation: Multi-Component Block Copolymer Electrolytes for Solid-State Lithium Batteries
Professor in charge of dissertation: Thomas H. Epps III, Ph.D.

XIAO YU ................................................................. Ocean Engineering
B.E., Tsinghua University, China
M.Eg., Tsinghua University, China
Dissertation: A Numerical Investigation of Sediment Deposition and Resuspension
Professor in charge of dissertation: Tian-Jian Hsu, Ph.D.

ZHUOPENG ZHANG .................................................... Electrical and Computer Engineering
B.S., Zhejiang University, China
M.S., University of Delaware
Dissertation: Terahertz Pulsed Imaging With Adaptive Reconstruction Techniques
Professor in charge of dissertation: James Kolodzey, Ph.D.

LAI ZHAO ................................................................. Electrical and Computer Engineering
B.E.E., Tsinghua University, China
M.E., Tsinghua University, China
M.S., University of Delaware
Dissertation: Modeling and Experimental Study on the Growth of Silicon Germanium Film by Plasma Enhanced Chemical Vapor Deposition
Professors in charge of dissertation: Robert G. Humphreger, Ph.D.
Steven Hegedus, Ph.D.

XIAOZHOU ZHOU ........................................................ Mechanical Engineering
B.E., Tsinghua University, China
M.E., Tsinghua University, China
Dissertation: Modeling Solute Transport in Loaded Bone
Professor in charge of dissertation: Liyun Wang, Ph.D.

*Cum Laude candidate  †Magna Cum Laude candidate
‡Summa Cum Laude candidate  §Degree With Distinction candidate
Bachelor of Science

SIMOSA TOKUNBO AKOJE
ERICA RACHAEL ANDERSEN
GREGORY GLENN ANDERSON
DAVID NICHOLAS ANGERBRAANDT
RACHEL RENEE ANGIOLI
SCOTT ANTON
PINAR ARIFOGLU
ADELAIDE LIZ ARROYO
HINNAH ASLAM
MICHAEL OLAOLUWA ATUNRAKE
ILANA RAYE BARON
SAMANTHA A. BATECHELOR
CHRISTINE PAMELA BECKMAN
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EMILY ANN BERRU
MELISSA LYNN BOLESŁAWSKI
LISA ANN BONORA
LAUREN ANNE BERMINGHAM
EMILY ANN BERRUE
KYLE CA THRYN BERGER
NICOLE ALExANDRA BRUMMER
ALYSSA RENéE BROWN
KEVIN PATRICK BROWER
ALISSA ASHLEA CLAISER
JUSTIN LEE CONRAD
NOELLE CAROLYN COLUCCI
ALExANDRA PAIGE CRANE
BRIAN PATRICK CRUMLISH
JOSEPH EDWARD CRUZ
ALEXANDRA JOAN CUMMINGS
MATTHEW GARRETT DREFODA
ELIZABETH ANN DEMARCO
BRIAN TAYLOR DEMBY
DANIELLE DANIELLE DEPIERRO
REBECCA ELIZABETH DESPINS
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AMANDA PAIGE DETRICH
AMMAR DICCO
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CHELSEA NICOLE ETTER
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JOHN MICHAEL FACCIOLO
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VICTORIA LYNN FELICIANO
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COURTNYE ROSE FERREIRA
ALICIA MARIE FERREIRE
ELIZABETH ANN FERRY
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DANA RAE FIERSTEIN
ALISON LARE FIFE
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KELLY ANN FISCHER
NICOLE ELEGO
NICHOLAS ALEXANDER FLUGRAD
LINNDY CHEW FOO
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KATHLYN GAMEL
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TYLER WILLIAM HENRY
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ELIZABETH ANN MYERS
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ANNA LE NGUYEN
MY NGUYEN
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FALGUI PATEL
DEVON JAMES PEARSON
SAMANTHA LYNN PELETIER
MICHAEL PERRY
CAITLYN ELIVIA PERSON

COLLEGE OF HEALTH SCIENCES
DEAN KATHLEEN S. MATT

53
Bachelor of Science (continued)

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BREANNE NICOLE PORZELT
KATILIN SARAH POWERS
AMY MARIE PRICE
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DANA G. SUTULA
JENNIFER KEATING SWANSON
HEATHER MICHELLE SWYKA
JOHN STEPHEN TADLER
JOHN ROBERT TAGGART
DESIREE MARIE THOMAS

Bachelor of Science in Nursing

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JILLIAN COLLEEN ADAMS
STEPHANIE ASHLEY ALLEN
VICTORIA ELISE ALLEN‡
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VALENTINA MAXINE BAGIRIMVANO
SARAH MARIE BAKER
HILARY GRACE BARRER
JULIA MAREE BEACH
AMY LOUISE BELLEVOU†
KIMBERLY BERL
NATIALE NORMANI BEWLEY
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LAUREN CAROLINE BOND
ELEANOR NEAVLING BOWMAN* 
JESSICA LYNN BRAVYAK
KRISTEN NICOLE BROWN
LAURA TAYLOR BURKETT
JOELLE AMANDA BUSHMAN
ZOPHAR LAWRENCE CALL
ALLISON ELIZABETH CAMPBELL
IAN EMMENT CAMPBELL
CHRISTINE ANN CARROY‡
REGINA CHUNG
SHANA RAE CHUNG
TRACI A. CHURCH
AUTUMN EBBA CLEMENT
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LAUREN ROSE DECARLIA
STEPHANIE LYNN DECRESCENTE
SARA DERTOUZOS
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AUBREY JEAN D'ONOFRIO
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LATORI Y. FELDNER
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CHERYL ALIZA FLOWERS
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KENDAL ELIZABETH FREY‡
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ANITA GRANTSON
TRACEY LYNN GUILFOY
Megan Marie Hagen
SARAH MARIE HAMILTON
MEGAN ELIZABETH HANLEY
JENNIFER SARAH HARTZBAND
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LISA D. HEINBAUGH
JACQUELINE SUE HENDRIX
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SARAH NICOLE HOLLAND
ALLEN C. HUANG
CATHERIN TERESA IADEVAIA
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DAVIE WILLIAM JEFFERY‡
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KAILIN IVESON JOHNSON
LEIGH TAYLOR JOHNSON
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ALISSYON MARIE KARAS
JULIA CLAIRE KENNEDY
PATRICIA HEALY KENNEDY
AMANDA JAYNE KEPKOPKA
RACHEL LYNN KESS
ASHLEY ELIZABETH KUNDRAVI
DANIELLE NICOLE LAGERENCE
KYLE JOHN LAMBERT
RANDY LASCARO
KIMBERLY ANN LAUGHTHAM
ANNA ELIZABETH LAW‡
RACHEL FRANCES LEE
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XUYAN LIN
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MAUREEN MIGLIACCIO-REGA
DEVON CHRISTINA MESSER
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TAYLOR CLAIRE MULLAN
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MARY KATELYNN MYERS
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MARY ANNE QUINN
ASHLEY LYN RASCH
ALISON LEIGH RAY†
JOY Y. REICHLING‡
ROBYN MICHELLE REPLIKESNI
COLLEEN ELIZABETH RILEY
EMILY JOYE RINEDOLLER
LEA ELLEN ROBBINS
AMANDA SUSAN ROBERT
NINA ROBERTS* 
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NICOLE MARIE ROLLER
PATRICIA ROWLEY
LYDIA DORIS ROYER
FRANCES V. RUEA
LINDSEY MARIE RUSSELL
JILLIAN KATHLEEN RUTH
KATHRINE LYNN SANDBERG
VIOLET A. SANDS* 
RACHEL SARAH SAWICKI
MELISSA ANN SCALON
KENDRA BETSY SCHAFFER

*Summa Cum Laude candidate 
†Magna Cum Laude candidate 
‡Degree With Distinction candidate
### Master of Science

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>University/Institution</th>
</tr>
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<tbody>
<tr>
<td>Deepthi Bajaj</td>
<td>Master of Science in Exercise Science</td>
<td>B.P.T., Amity University, India</td>
</tr>
<tr>
<td>Jennifer M. Baker</td>
<td>Master of Science in Human Nutrition</td>
<td>B.S., University of Delaware</td>
</tr>
<tr>
<td>Elisabeth Larsen Clarke</td>
<td>Master of Science in Health Promotion</td>
<td>B.A.A.S., University of Delaware</td>
</tr>
<tr>
<td>Christopher John Clyde</td>
<td>Master of Science in Exercise Science</td>
<td>B.S., University of Delaware</td>
</tr>
<tr>
<td>Julie L. Clymer</td>
<td>Master of Science in Human Nutrition</td>
<td>B.S., University of Delaware</td>
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<td>Jennifer Lynne Colantuono</td>
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<td>B.S., University of Delaware</td>
</tr>
<tr>
<td>Kendall Aimee Diorenzo</td>
<td>Master of Science in Human Nutrition</td>
<td>B.S., University of Delaware</td>
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<tr>
<td>Lindsay Dinatale Palkovitz</td>
<td>Master of Science in Health Promotion</td>
<td>B.A.A.S., University of Delaware</td>
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<tr>
<td>Colin Buckley Dobbins</td>
<td>Master of Science in Health Promotion</td>
<td>B.S., University of Delaware</td>
</tr>
<tr>
<td>Alyson MacClean Engle</td>
<td>Master of Science in Health Promotion</td>
<td>B.A., Cornell University</td>
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<tr>
<td>Orlagh Maria Gallivan</td>
<td>Master of Science in Health Promotion</td>
<td>B.S., University of Massachusetts-Amherst</td>
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<td>Megan Elizabeth Grau</td>
<td>Master of Science in Health Promotion</td>
<td>B.S., University of Delaware</td>
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<tr>
<td>Jennifer Lee Halterman</td>
<td>Master of Science in Exercise Science</td>
<td>B.S., James Madison University</td>
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<tr>
<td>Matthew L. Hinsey</td>
<td>Master of Science in Exercise Science</td>
<td>B.S., Pennsylvania State University</td>
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<td>Elisabeth Marie Jones</td>
<td>Master of Science in Human Nutrition</td>
<td>B.S., University of Delaware</td>
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<td>Dylan P. Lancaster</td>
<td>Master of Science in Health Promotion</td>
<td>B.G.S., Louisiana State University-Baron Rouge</td>
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<tr>
<td>Jennifer Antoinette Linton</td>
<td>Master of Science in Health Promotion</td>
<td>B.S., Delaware State University</td>
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### Honors Bachelor of Science

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<tr>
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<tr>
<td>Rhonda Michele Thomas</td>
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<td>B.S., Pennsylvania State University</td>
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<tr>
<td>Kathleen M. Thompson</td>
<td>Master of Science</td>
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<td>Lindsay Merle Thompson</td>
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<td>MaryAnn Tiller</td>
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<td>Kimberly Lynn Trinchere</td>
<td>Master of Science</td>
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<tr>
<td>Maya Tyagi</td>
<td>Master of Science</td>
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<tr>
<td>Chehemeie Emmanuel Uche</td>
<td>Master of Science</td>
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<tr>
<td>Melissa Van Twuyver</td>
<td>Master of Science</td>
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<td>Leigh ALEXA Victory</td>
<td>Master of Science</td>
<td>B.S., Pennsylvania State University</td>
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<td>JILL EILEEN WALSH</td>
<td>Master of Science</td>
<td>B.S., Pennsylvania State University</td>
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<tr>
<td>Aileen Elizabeth Westbrook</td>
<td>Master of Science</td>
<td>B.S., Pennsylvania State University</td>
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<tr>
<td>Assundina E. White</td>
<td>Master of Science</td>
<td>B.S., Pennsylvania State University</td>
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<tr>
<td>Yessica Theresa Wirawan</td>
<td>Master of Science</td>
<td>B.S., Pennsylvania State University</td>
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<tr>
<td>Jennifer Yau</td>
<td>Master of Science</td>
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</tr>
<tr>
<td>Shabnam Zandi</td>
<td>Master of Science</td>
<td>B.S., Pennsylvania State University</td>
</tr>
<tr>
<td>Jessica Lynn Zikorus</td>
<td>Master of Science</td>
<td>B.S., Pennsylvania State University</td>
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</table>

### Honors Bachelor of Science in Nursing

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree</th>
<th>University/Institution</th>
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</thead>
<tbody>
<tr>
<td>Jeffrey Martin Mattson</td>
<td>Bachelor of Science in Biomechanics and Movement Science</td>
<td>B.S., Rensselaer Polytechnic Institute</td>
</tr>
<tr>
<td>Katherine W. McCleary</td>
<td>Bachelor of Science in Health Promotion</td>
<td>B.A.A.S., University of Delaware</td>
</tr>
<tr>
<td>Kevin Michael McGinnis</td>
<td>Bachelor of Science in Biomechanics and Movement Science</td>
<td>B.S.A.S., University of Delaware</td>
</tr>
<tr>
<td>Karyl-Leigh Megaw</td>
<td>Bachelor of Science in Human Nutrition</td>
<td>B.A., University of Virginia</td>
</tr>
<tr>
<td>Brianne Marie Mulrooney</td>
<td>Bachelor of Science in Exercise Science</td>
<td>B.A.A.S., University of Delaware</td>
</tr>
<tr>
<td>Loran M. Pryor</td>
<td>Bachelor of Science in Human Nutrition</td>
<td>B.S., West Chester University of Pennsylvania</td>
</tr>
<tr>
<td>Danielle Reeves</td>
<td>Bachelor of Science in Health Promotion</td>
<td>B.A., University of Mary Washington</td>
</tr>
<tr>
<td>Natalie Rosenberg</td>
<td>Bachelor of Science in Health Promotion</td>
<td>M.P.A., University of Delaware</td>
</tr>
<tr>
<td>Taylor Anne Schellhardt</td>
<td>Bachelor of Science in Human Nutrition</td>
<td>B.A., College of Wooster</td>
</tr>
<tr>
<td>Raymond Atwood Sheldon IV</td>
<td>Bachelor of Science in Health Promotion</td>
<td>B.S., University of Delaware</td>
</tr>
<tr>
<td>Christina Anne Shields</td>
<td>Bachelor of Science in Exercise Science</td>
<td>B.S., Pennsylvania State University</td>
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<tr>
<td>Kerrigan Davies Smith</td>
<td>Bachelor of Science in Health Promotion</td>
<td>B.S., University of Delaware</td>
</tr>
<tr>
<td>Daniel V. Tocci</td>
<td>Bachelor of Science in Exercise Science</td>
<td>B.S., Pennsylvania State University</td>
</tr>
<tr>
<td>Robin L. Wolfe</td>
<td>Bachelor of Science in Human Nutrition</td>
<td>B.A., Rowan University</td>
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### Master of Science in Nursing

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<tr>
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<tbody>
<tr>
<td>Nicole G. Allen</td>
<td>Bachelor of Science in Biomechanics and Movement Science</td>
<td>H.B.S.N., University of Delaware</td>
</tr>
<tr>
<td>Patricia L. Blair</td>
<td>Bachelor of Science in Biomechanics and Movement Science</td>
<td>B.S., University of Delaware</td>
</tr>
<tr>
<td>Krista L. Brazell</td>
<td>Bachelor of Science in Biomechanics and Movement Science</td>
<td>B.S., University of Delaware</td>
</tr>
</tbody>
</table>
Master of Science in Nursing (continued)

MARY PATRICIA CARDONI .................................................. B.S.N., University of Maryland-Baltimore
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LATORY W. FELDER ......................................................... B.S.N., University of Delaware
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CRAIG ADAM LAING ....................................................... B.A., West Virginia University
MICHELLE LEANN MALOY ................................................ B.S.N., University of Delaware
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B.S.N., University of Delaware
M.S., Cochin University of Science & Technology, India
Ph.D., Kerala Agricultural University, India

Booth School of Allied Health Professions

Doctor of Physical Therapy

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B.S., University of Mary
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ASSUNDINA E. WHITE .................................................... B.S.N., University of Delaware
JUDITH GALE WHITE ..................................................... B.S.N., Immaculata University

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Daniel Peter Gorrin ...................................................... B.A., Gettysburg College
Kaitlin Timpson Hafner ................................................ B.S., University of Delaware
Anthony Paul Inzillo ..................................................... B.S., University of Delaware
Ainsley Christine Klauser ............................................. B.S., Virginia Polytechnic Institute & State University
Katherine Emily Kozak ................................................ B.S., Ohio State University
Jamie Leigh Lambert .................................................... B.S., Springfield College
Doctor of Philosophy

ALI HAMAD S. ALNAHDI ......................................................... Biomechanics and Movement Science
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M.S., University of Pittsburgh

Dissertation: Altered Loading and Quadriceps Strength After Unilateral Total Knee Arthroplasty
Professor in charge of dissertation: Lynn Snyder-Mackler, Ph.D.

ALLISON R. ALTMAN ......................................................... Biomechanics and Movement Science
B.S., University of Rochester
M.S., University of Delaware

Dissertation: Does a More Natural Strike Pattern Help to Protect Barefoot Runners from Injury?
Professor in charge of dissertation: Irene S. Davis, Ph.D.

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B.A., University of Connecticut
M.P.T., Drexel University-Center City Hahmann

Dissertation: Tibial Shock of On-Ice Figure Skating Jumps Relates to Jump-Characteristics and Kinematics
Professor in charge of dissertation: Todd Royer, Ph.D.

STEPHANIE LYNEE DI STASI ................................................ Biomechanics and Movement Science
B.S., Springfield College
M.S., Springfield College

Dissertation: The Fickle ACL Deficient Athlete: Investigation of the Non-Coper Response to Injury, Surgery, and Neuromuscular Training
Professor in charge of dissertation: Lynn Snyder-Mackler, Sc.D., PT.

ANN TOKAY HARRINGTON ................................................... Biomechanics and Movement Science
B.S., Pennsylvania State University
M.S., University of Delaware
D.P.T., Arcadia University

Dissertation: The Development of a Functional Electrical Stimulation Assisted Cycling Intervention to Increase Fitness and Strength in Children with Cerebral Palsy
Professor in charge of dissertation: Samuel C. K. Lee, Ph.D., PT.

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M.S., University of Northern Colorado

Dissertation: An Examination of Various Diagnostic Frameworks Used to Differentiate Subjects with Chronic Ankle Instability
Professor in charge of dissertation: Thomas W. Kaminski, Ph.D.

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B.S., University of Montana-Missoula
M.A., University of North Carolina-Chapel Hill
M.P.T., East Carolina University

Professor in charge of dissertation: Lynn Snyder-Mackler, Sc.D., PT.

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D.P.T., University of Delaware

Dissertation: Targeting Neuromuscular Deficits and Maximizing Success After ACL Rupture in Athletes
Professor in charge of dissertation: Lynn Snyder-Mackler, Sc.D., PT.

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M.S., University of Sciences in Philadelphia
D.P.T., Drexel University

Professor in charge of dissertation: Katherine Rudolph, Ph.D.

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M.S., University of Delaware

Dissertation: Grip Force Control in Static Manipulation Tasks
Professor in charge of dissertation: Slobodan Jarić, Ph.D.
**Doctor of Philosophy (continued)**

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B.S., Ohio University  
M.P.T., Ohio University

*Dissertation:* Gender Differences in the Mechanics of Patellofemoral Pain Syndrome  
*Professor in charge of dissertation:* Irene S. Davis, Ph.D., P.T.

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B.S., Slippery Rock University of Pennsylvania  
M.S., West Chester University of Pennsylvania

*Dissertation:* The Influence of the Rate of Quadriceps Force Development on Function and Dynamic Loading in Knee Osteoarthritis  
*Professor in charge of dissertation:* Katherine S. Rudolph, Ph.D.
## ROTC CANDIDATES

### To Be Commissioned Into the United States Air Force Reserve – Active Duty

<table>
<thead>
<tr>
<th>Name</th>
<th>Rank/Role</th>
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<tbody>
<tr>
<td>KYLE JOSEPH BROWN</td>
<td>Pilot</td>
</tr>
<tr>
<td>NICHOLAS EDWIN BUCCI</td>
<td>Contracting Officer</td>
</tr>
<tr>
<td>ZACHARY TRAVIS CONDON</td>
<td>Pilot</td>
</tr>
<tr>
<td>JUSTINE ELIZABETH FEASTER</td>
<td>OB Nurse</td>
</tr>
<tr>
<td>MICHAEL ALAN KNIGHT</td>
<td>Remotely Piloted Aircraft Pilot</td>
</tr>
<tr>
<td>LAURA MARIE MARSHALL</td>
<td>Combat Systems Officer</td>
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<tr>
<td>ZACHARY JOHN MAUER</td>
<td>Combat Systems Officer</td>
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<tr>
<td>GAVIN ANDREW NUGENT</td>
<td>Pilot</td>
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<tr>
<td>KYLE THOMAS RANDALL</td>
<td>Space and Missile Officer</td>
</tr>
<tr>
<td>JONATHAN ROGER SADLER</td>
<td>Developmental Engineer</td>
</tr>
<tr>
<td>ALISTAIR DAVID TOLOSA</td>
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### To Be Commissioned Into the United States Army of the United States – Active Duty

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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>KEVIN KIT ANTON</td>
<td>Corps of Engineers</td>
</tr>
<tr>
<td>HANNAH DROSEHN</td>
<td>Quartermaster Corps</td>
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<tr>
<td>BRENDA JAMES FLOYD</td>
<td>Transportation Corps</td>
</tr>
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<td>MARIA EUGENIA MERINO</td>
<td>Adjutant General’s Corps</td>
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<tr>
<td>JAMES TYLER SHIELDS</td>
<td>Field Artillery</td>
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<td>BRADLEY SCOTT WOMPIERSKI</td>
<td>Aviation</td>
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<td>JEFFREY MICHAEL SWIERZBINSKI</td>
<td>Corps of Engineers</td>
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