



HVERFORD COLLEGE

*One Hundred Eighty-Sixth
Commencement*

Saturday, May 18, 2024

Welcome, friends.

COMMENCEMENT EXERCISES

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ORDER OF EXERCISES

Prelude Selections

Three Pieces, Ludwig Maurer

Renaissance Dances, Tylman Susato

Scherzo, John Cheetham

Grand Valley Fanfare, Eric Ewazen

Fanfare to "La Péri," Paul Dukas

Galliard Battaglia, Samuel Scheidt

Die Bankensangerlieder, Anonymous

Processional

Crown Imperial, William Walton

All who are able are requested to stand during the processional.

The Marshals

The Candidates for Degrees

Members of the Board of Managers

Members of the Haverford College Senior Staff and Bryn Mawr College Cabinet

Members of the Faculty

The Platform Party

The Faculty Marshal

The Hooding Marshal

The Dean of the College

The Opening Speaker

The Alumni Speaker

The Honorary Degree Presenters

The Candidates for Honorary Degrees

The Secretary of the Board of Managers

The Provost

The President of Bryn Mawr College

The President of the College

Welcome From the President

Wendy E. Raymond, *Professor of Biology*

Opening Remarks

Ashok K. Gangadean, *The Emily Judson Baugh Gest and John Marshall Gest Professor of Global Philosophy, Professor of Global Philosophy, and Director of Gest Center*

Remarks From the Class of 2024

Maria Teresa Reyes Pacheco

Jorge Arnaldo Paz Reyes

Remarks From the Alumni Association

Beverly Ortega Babers '84, Esq., *President of the Alumni Association*

Greetings From Bryn Mawr College

Kimberly Wright Cassidy, *President and Professor of Psychology*

Remarks From the President

Wendy E. Raymond

Conferring of Honorary Doctorate of Science Degrees

Jon Kabat-Zinn '64, Ph.D., *Alumnus and Mindfulness Pioneer*

Presented by Shu-wen Wang, *Associate Professor and Chair of Psychology*

Ala Stanford, M.D., *Physician and Founder of the Black Doctors COVID-19 Consortium*

Presented by Qrescent Mali Mason, *Assistant Professor of Philosophy*

Conferring of Degrees

Class presented by Linda Strong-Leek, *Provost, Professor of African and Africana Studies, and Professor of Gender and Sexuality Studies*

Candidates presented by John McKnight, *Dean of the College*

Closing Remarks From the President

Wendy E. Raymond

Recessional

Canzona per Sonare No. 2, Giovanni Gabrieli

Marshals

Lynne Butler, *Faculty Marshal and Professor of Mathematics and Statistics*

John Dougherty, *Associate Professor of Computer Science*

Kenneth Koltun-Fromm, *The Robert and Constance MacCrate Professor of Social Responsibility and Professor of Religion*

Casey Londergan, *Professor and Chair of Chemistry*

Maud McInerney, *The Laurie Ann Levin Professor of Comparative Literature, Professor of English, and Chair of Comparative Literature*

Bret Mulligan, *Professor of Classics*

Alexander Norquist, *Hooding Marshal and Professor of Chemistry*

Zachary Oberfield, *Professor and Chair of Political Science*

Bruce Partridge, *Emeritus Professor of Astronomy*

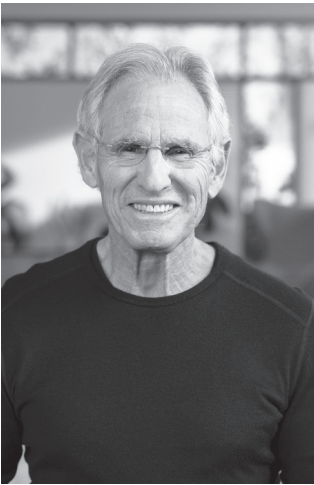
Jeffrey Tecosky-Feldman, *Senior Lecturer of Mathematics and Statistics*

Musicians

Jonathan Clark, *horn*; Jonathan Fowler, *tuba*; Paul Futer, *trumpet*; William Gregory, *trumpet*; Justin Moore, *trombone*

HONORARY DEGREE RECIPIENTS

Each year at Commencement, Haverford awards honorary degrees to individuals who have distinguished themselves in letters, the sciences, or the arts, and/or who have devoted their lives to service and the betterment of humanity. This year, the College recognizes alumnus and mindfulness pioneer Jon Kabat-Zinn and physician Ala Stanford, founder of the Black Doctors COVID-19 Consortium, with honorary doctorate of science degrees.



Jon Kabat-Zinn '64

A practitioner of Buddhist meditation and yoga since 1965, when he was a doctoral student in molecular biology at the Massachusetts Institute of Technology, Jon Kabat-Zinn, Ph.D., achieved international recognition following the publication of his book *Full Catastrophe Living: Using the Wisdom of Your Body and Mind to Face Stress, Pain, and Illness* (1990). His 1993 appearance on the PBS series *Healing and the Mind*, with Bill Moyers, introduced Mindfulness-Based Stress Reduction (MBSR) to a mainstream audience. Kabat-Zinn is the author of a series of scientific papers on mindfulness as well as of 15 books—including, in 2023, *Mindfulness Meditation for Pain Relief*—published in more than 45 languages.

Kabat-Zinn undertook his pioneering work as a professor of medicine at the University of Massachusetts Medical School, where he is still professor emeritus. There he founded the world-renowned MBSR Clinic in 1979 and the Center for Mindfulness in Medicine, Health Care, and Society (CFM) in 1995, both now part of UMass Memorial Health. From its inception, Kabat-Zinn envisioned MBSR not as a therapy but as a public health project, with the aim to move the bell-curve of society, over time, in the direction of greater health and well-being on every level. His work and that of a global community of colleagues have contributed to a growing movement of mindfulness into mainstream institutions in medicine, higher education, business, social justice, the law, technology, and government. More than 700 hospitals and medical centers around the world now offer MBSR.



Ala Stanford

A national health equity leader and healthcare policy advisor, Dr. Ala Stanford advocates for vulnerable populations worldwide. Stanford garnered international recognition during the COVID-19 pandemic when she leveraged her pediatric surgery practice in Philadelphia to form the Black Doctors COVID-19 Consortium, a grassroots organization focused on education, testing, contract tracing, and vaccination in communities without access to lifesaving care and resources. The consortium served more than 100,000 of the city's most vulnerable residents, who were disproportionately impacted by the pandemic.

In 2022, Stanford was appointed by President Joe Biden as the regional director of the U.S. Department of Health and Human Services for the Mid-Atlantic region, a role in which she oversees federal health programs and initiatives in Delaware, Maryland, Pennsylvania, Virginia, West Virginia, and Washington, D.C. In her continued effort to shift the paradigm of medical services and eliminate health disparities, in 2021 she founded a Center for Health Equity in North Philadelphia, in a community whose residents have among the shortest life expectancy in the city. The center's team of expert, culturally competent, and diverse clinicians has expanded the continuum of care and improved health outcomes.

Stanford's numerous accolades include recognition as one of *Forbes'* most influential women (2021 and 2022), a George H. W. Bush Points of Light Award recipient, and a CNN Hero, as well as the commissioning of a Philadelphia street in her name. In August, Simon & Schuster will publish *Take Care of Them Like My Own: Faith, Fortitude, and a Surgeon's Fight for Health Justice*, a memoir in which she explores how her experiences on both sides of the scalpel have informed her understanding of the nation's racial health gap.

PRIZES, AWARDS, AND FELLOWSHIPS

African and Africana Studies

Presented by the Program of African and Africana Studies

The Valentin Y. Mudimbe Award for Excellence in Africana Studies

The award is given in honor of V. Y. Mudimbe, world-renowned scholar and former Haverford professor, and recognizes excellence in scholarship in Africana studies.

Taylor Aiyanna Johnson

Anthropology

Presented by the Department of Anthropology

The Wyatt MacGaffey Thesis Award in Anthropology

This award honors the professor emeritus of Haverford's anthropology department and recognizes an outstanding senior thesis in anthropology.

Rafael Montero Caro

Arts

Presented by the Arts Program

The Kaye Prizes in Theater Arts

Established by Laurence Kaye 1983 and his parents, William Kaye 1954 and the late Cynthia Kaye. The prizes are awarded to the two students, regardless of class year, who have done the most to make theater arts an important part of the Bi-College community.

Acting: **Regan Riehl (Bryn Mawr College)**

Direction/Production: **Ophelia Evans**

Athletics

Presented by the Department of Athletics

The A. W. "Pop" Haddleton Award

Named in honor of the longtime track coach at Haverford, this award recognizes an outstanding contribution to an athletic team by a student who epitomizes perseverance, dedication, and loyalty, and who has not received the recognition that, for example, regular starting players do.

Jillian Grace DiTommaso

The Gregory Kannerstein 1963 Award

Awarded to the individual whose combination of outstanding athletic achievement and leadership has been a significant factor in a team's competitive success, and whose levels of performance have brought distinction not only to the individual and team but also to the entire athletic program.

Abigail Jane Russano

The Stephen G. Cary 1937 Award

Given in honor of Haverford alumnus Stephen G. Cary 1937. This award recognizes overall impact on the Haverford athletic program.

Anna Marie Bradley and William Thomas Graves

The Tom Donnelly Award

This award is named in honor of Haverford's longtime Men's Cross Country and Track & Field Head Coach. Presented to the senior varsity student-athlete who has shown continual improvement throughout their collegiate career and who exhibits the qualities most associated with Tom: Strong character, integrity, dedication, and the ability to have a positive impact on their sport and team.

Ravi Surya Eaton and Emily Oh

The Varsity Cup

Haverford's highest athletic award, presented annually to the outstanding athlete in the senior class. The criteria to select the Varsity Cup winners are athletic accomplishment, sportsmanship, and leadership throughout the student's career.

Allyson Rachel Landau

The William W. Ambler 1945 Award

Awarded to the graduating senior varsity athlete on the list of nominees who has the highest cumulative grade-point average through seven semesters of college work.

Isabel Thornberry

Biology

Presented by the Department of Biology

The Ariel G. Loewy Prize for Senior Research in Biology

Established in 2001 in memory of Ariel G. Loewy, professor of biology from 1953 to 2000. This prize is given to graduating seniors in biology whose efforts and accomplishments incorporate the rigor and diligence of experimental science.

Silina Awad and Ahlam Mohamed Houssein

The Irving Finger Prize in Biology

Established in 2003 by family, friends, and alumni in memory of Irving Finger, professor of biology from 1957 to 1994. It is awarded to graduating seniors in biology for outstanding growth and accomplishment in the major.

Alexander Peter Abramenko, Briana E. Boachie, and Matthew James Curran

The Marian E. Kosbland Prize in Biology

Established in 1997 by biology faculty, College administrators, and Board members. The prize is awarded to graduating seniors who demonstrated outstanding performance in senior research.

Annabel Junko Flint, Marlena Langdon, Rebecca Ann Osbaldeston, and Baldwin Zhao

Center for Peace and Global Citizenship

Presented by the Center for Peace and Global Citizenship

Center for Peace and Global Citizenship Publicly Engaged Scholar Award

Established in 2019, this award recognizes knowledge production and dissemination that advances peace, social justice, and global citizenship.

Tasneem Mabrouk

Chemistry

Presented by the Department of Chemistry

The American Chemical Society Prize for Scholastic Achievement

Given to the top-ranking senior major in chemistry.

Isabel Thornberry

The American Institute of Chemists Award

Given to an outstanding senior in chemistry in recognition of their demonstrated record of ability, leadership, and professional promise.

Giavanna Rose Flamini

The Colin F. MacKay Prize

Endowed in honor of Professor MacKay by Garth R. Parker Jr. 1981 and the Rohm and Haas Company. This prize recognizes the member of the senior class majoring in chemistry who has shown the greatest intellectual growth over four years of work in the chemistry department.

Charles Mitchell Ferguson

The George Peirce 1903 Prize in Chemistry

Named in honor of George Peirce 1903 by his parents, Harold and Charlotte C. Peirce.

Kelsey Nicole Mabry

The Lyman Beecher Hall Prize in Chemistry

Awarded to graduating seniors for outstanding accomplishment in the major coursework and in research.

XingZhi Chen and **Kevin Kaiwen Li**

Classics

Presented by the Department of Classics

The Class of 1896 Prize in Latin for Sophomores

Awarded to the sophomore who has done the best work in the department.

Avery Barnett 2026

The Class of 1902 Prize in Latin for First-Years

Awarded to the first-year who has done the best work in the department.

Payton Wagner 2027

The Howard Comfort Prize in Latin

Maya Elena Langer

The Mark L. Hepps 1979 Prize

Awarded in memory of Mark Larry Hepps 1979. This prize recognizes diligence in the study of elementary Latin.

Jonathan Kevorkian 2027

The William W. Baker Prize in Greek

Tianai Wang

College Fellowships

Presented by the Faculty

The Augustus Taber Murray 1885 Research Fellowship

Named in honor of Augustus Taber Murray, a distinguished member of the Class of 1885. This fellowship is awarded to a student pursuing further study in English literature, the classics, or German literature.

Charlotte Scott 2021

The Clementine Cope Awards

Given in honor of Thomas P. Cope, a former member of the Board of Managers. These awards are to be used for graduate study at another institution.

Fellowship: **Carolena Alexander Munro 2023**

Prize: **Ahlam Mohamed Houssein**

Communications

Presented by the Office of Communications

The James Bready 1939 Prize for Journalistic Writing

Established in 2004 by Richard Bready 1967 to honor his father and longtime newspaper writer, James Bready. The prize is awarded annually to a Haverford student who has written the year's best journalistic article.

Rhianna Searle 2027 for "Dining Center Suffers Staffing Shortages Post-Pandemic"

Computer Science

Presented by the Department of Computer Science

Research in Computer Science Award

Awarded to a graduating senior in recognition of outstanding contributions to high-quality computer science research during their time at Haverford.

Charlie Crawford

East Asian Languages and Cultures

Presented by the Bi-College Department of East Asian Languages and Cultures

The Hu Shih Prize (胡適)

Established in 2020 and named for the 20th-century Chinese philosopher and educator Hu Shih (1891–1962). This prize is given annually to students who have distinguished themselves in the study of the Chinese language.

Kaj Jensen and Annika Soranno Shiming Torng

The Margaret Mayeda Petersson Prize in Asian Studies

Awarded to a senior major, recognizing student engagement and passion in East Asian language and culture.

Jenny Xu (Bryn Mawr College)

Economics

Presented by the Department of Economics

The Holland Hunter 1943 Economics Department Thesis Prize

Awarded to seniors whose theses display the most outstanding empirical and/or theoretical applications of economics.

Nathan Stein and Benjamin Graham

The Michael M. Weinstein Prize in Economics

Established in 1986.

Annais Gangoli 2025, Devansh Goyal 2025, and Samuel Ross 2025

English

Presented by the Department of English

The Ian Walker Prize

Established by family, friends, and classmates of Ian Walker 1950. This prize is awarded to a Haverford junior or senior majoring in English.

Isabella Hanul Shin Yin

The Newton Prize in English Literature

Awarded on the basis of final honors in English.

Matthew Finbar Denton

The Terry M. Kreiger 1969 Memorial Prize

Awarded to the senior demonstrating the greatest achievement in writing during the junior and senior years.

Shana Anam Cohen-Mungan

The William Ellis Scull 1883 Prize

Awarded to the junior or senior who has shown the greatest achievement in voice and expression of the English language.

Jared Bishop

Environmental Studies

Presented by the Department of Environmental Studies

Environmental Engagement Award

Awarded to the graduating senior who demonstrates outstanding dimensions of environmental engagement and interdisciplinarity, with particular emphasis on crossing or combining modes of inquiry; demonstrates boldness, braveness, and community engagement; and exemplifies love and commitment to working with people as well as with land, animals, plants, and other non-human life beyond campus boundaries.

Sophia Kathryn Wagner

History

Presented by the Department of History

The History Department Senior Thesis Prize

Awarded in recognition of the senior projects that best exemplify the passion, commitment, and professionalism of the historical enterprise.

William Stuart Harris and Michael O'Connell

The Samuel Parry Lippincott 1886 Prize in History

Jian Wei and Callia Erin Weisiger-Vallas

The Senior History Prize

Awarded in recognition of achievement in the study of history.

Lillian R. K. M. Austin and Theo Samuel Schefer

Latin American, Iberian, and Latinx Studies

Presented by the Department of Latin American, Iberian, and Latinx Studies

The Gridley McKim-Smith Senior Research Prize

Awarded by the Haverford, Bryn Mawr, and Swarthmore programs in Latin American, Iberian, and Latinx Studies. This prize recognizes the achievements of the student whose scholarship demonstrates the intellectual rigor and interdisciplinary breadth notable throughout Gridley McKim-Smith's illustrious career in the Bryn Mawr Art History Department.

Alex Peter Millones

Linguistics

Presented by the Tri-Co Department of Linguistics

The Tri-Co Linguistics Department Outstanding Thesis Award

Awarded to the seniors who wrote the best theses in linguistics.

Maya Antonio and Guilherme Zeus Dantas e Moura

Marian E. Koshland Integrated Natural Sciences Center

Presented by the Departments of Biology and Chemistry

The Arnold and Mabel Beckman Foundation Award

Recognizes outstanding undergraduate students in chemistry and biological sciences.

Helen Emily Moniz

Mathematics

Presented by the Department of Mathematics and Statistics

The Albert Harris Wilson Award

Established in 1969 by members of the Class of 1919 at their 50th reunion. This prize recognizes first-year students in mathematics who have proven—by their character, scholarship, and need—to be those whom Dr. Wilson would have most enjoyed helping, were he still with us and teaching mathematics at Haverford College.

Dasha Dorash 2027, Shak Mamadaliyeva 2027, Chantelle Mawoneke 2027, and Grace Nasrallah 2027

Class of 1896 Prize in Mathematics

Awarded to the sophomores who have done the best work in the department.

Will Bender 2027, Nina Chafee 2027, and David Dai 2027

The Department Prize in Mathematics for First-Year Students

Awarded to the first-year students who received the highest scores on the annual math prize exam.

Nhat-Han Bui 2027 and Rupert Lim 2027

The Mathematics and Statistics Senior Thesis Prize

Awarded in recognition of the senior projects that best exemplify commitment, independence, and clarity of mathematical or statistical exposition.

Tomás Ascoli, Atira Glenn-Keough, and Emily Oh

Music

Presented by the director of the Chamber Music Program

The Sylvia Glickman Chamber Music Prize

This award honors a senior enrolled in the Bi-College Chamber Music Program throughout their time at Haverford who has displayed leadership, commitment, innovation, and improvement during their tenure in the program.

David Jeremy Betz

Peace, Justice, and Human Rights

Presented by the Program of Peace, Justice, and Human Rights

The PJHR Award for Engaged Scholarship

Awarded to the graduating senior whose justice-oriented work in the concentration has been academically rigorous while also attuned to the importance of communicating ideas to people with different views and forms of training. The recipient of this award has mastered both disciplinary and interdisciplinary forms of excellence.

Tasneem Mabrouk

The PJHR Award for Ethical Action

Awarded to the graduating senior who has lived the values of peace, justice, and human rights both in the classroom and in the world beyond campus in an exemplary fashion. The recipient of this award has put their principles into action and made a positive impact in the larger world by engaging directly with communities impacted by injustice or inequality.

Sunny Martinez

The Elizabeth P. Smith Prize

Established in 1915 by bequest from Elizabeth P. Smith. This prize honors the best essay on peace.

Gabriel Jose Morillo

The Elliston P. Morris 1848 Prize

Founded in 1906 by a gift of \$1,000 from Elliston P. Morris 1848. This prize honors the outstanding essays on the subject of arbitration and peace.

Kaia Chau (Bryn Mawr College) and Brianna Feifer 2026

Philosophy

Presented by the Department of Philosophy

The Charles Schwartz 1979 Memorial Prize in Philosophy

Awarded in recognition of Chuck Schwartz 1979. This prize is awarded to the student whose senior essay best exemplifies the care, precision, and creativity demonstrated by the senior project of Chuck Schwartz.

Samuel Sunghwan Choi

The Departmental Prize in Philosophy

Recognizes students who have made the most significant contributions to the vitality of the philosophical community, both within the classroom and beyond, while majoring in philosophy.

Bela Khanna and Allison Flory Landweber

Physics and Astronomy

Presented by the Departments of Physics and Astronomy

The Faculty-Student Collaborative Research Prize

Funded by the Boughn-Gollub-Partridge Fund for Faculty-Student Research in Astronomy and Physics. This prize awards funds in support of research conference attendance to present research based on the senior thesis, or for research with Physics and Astronomy department faculty.

Adi Advani and Ethan Michael Baker

The Louis B. Green Prizes in Physics and Astronomy

Awarded in honor of Louis B. Green (1911–99), a professor of astronomy and College administrator who inspired generations of students, these prizes are given to the graduating students who have gone above and beyond in their contributions to research and/or department culture and events. Established by Charles Ufford, a Haverford College parent.

Anagha Aneesh, Sarah Cohen Campbell, Lydia Rose Guertin, and Petra Tenna Mengistu

Political Science

Presented by the Department of Political Science

The Emerson L. Darnell 1940 Prize

Presented in honor of Emerson Darnell, a Quaker alumnus who dedicated his life's work to advocating peaceful social change and defending the civil rights of the individual. The prize is awarded annually to the students who present outstanding papers demonstrating an appreciation of the Bill of Rights as the foundation of American law and the very fabric of American society.

Lucca Marcello Guzmán-Gieseken and Kelcey Hutchinson (Bryn Mawr College)

The Harold P. Kurzman 1958 Prize

Awarded to the senior who has performed the best and most creatively in political science coursework.

John A. Donovan IV

The Harvey Glickman Prize

Established by the Political Science department in 2019 in honor of Harvey Glickman, a professor of political science at Haverford for 43 years and an esteemed political theorist. Awarded to the graduating senior in political science whose senior thesis displays the greatest innovation in pushing the theoretical boundaries of the discipline and its subfields.

Laura Mercedes

The Herman M. Somers Prize in Political Science

Given in recognition of the research and teaching of Red Somers. Awarded to the graduating seniors who present outstanding senior projects that reflect the interest in policy, respect for evidence, and the humane concern for improving society that characterized Somers' work.

Lorelei Kirsten Alverson and John A. Donovan IV

The Stephen H. Miller 1962 Memorial Award

Presented in honor of Stephen H. Miller 1962, who lost his life serving his country and his fellow man in South Vietnam while taking part in village development as a member of the United States Information Agency. This award is presented to the graduating senior in political science who best exemplifies the ideal of political involvement and social service expressed in Miller's life and career.
Cecilia Tucker Cohen

Psychology

Presented by the Department of Psychology

The Sidney Perloe and David Olton Research Award

Established with a gift from the estate of David S. Olton 1964, chair of the psychology department at Johns Hopkins University. The award honors the seniors who have done exceptional work and show great promise in psychology.

Katy Anne Cheng, Lucas Linden Miller, and Isabel Russak

Registrar

Presented by the Registrar's Office

The Scholarship Improvement Prize

Awarded to the senior who has shown the most steady and marked improvement in scholarship during their time at Haverford.

Nada Ashraf Salama Aly

Religion

Presented by the Department of Religion

The Religion Prize

Awarded to the senior religion majors who presented the best theses.

Trinity Rae Kleckner and Marissa Merriam

Spanish

Presented by the Department of Spanish

The Manuel J. and Elisa Pi Asensio Prize

Awarded for the best essay submitted by a senior majoring in Spanish or with a concentration in Latin American, Iberian, and Latinx Studies.

Jean Bonauto Wriggins

Students' Council

Presented by Students' Council

The Edmund J. Lee 1943 Memorial Award

Recognizes Edmund Jennings Lee, the sole member of the Class of 1943 to be killed during World War II. This award is given to the student organization that has contributed most toward the furtherance of academic pursuits, extracurricular activities, spiritual growth, or college spirit in individuals or in the College as a whole during the year.

Haverford Students for Peace

The John G. Wallace 1957 Class Night Award

Presented to the student who has made the greatest contribution to on-campus performing arts.

Harrison Tyler Lennertz

The Jonathan Mohrig 1986 Memorial Prize

Honors a Haverford sophomore who died in 1984. This prize is awarded to the student at Haverford who embodies Jonathan's enthusiasm, warmth, humor, and quiet generosity to those around him, and who, like Jonathan, makes a special contribution to the quality of life at Haverford.

Jacob Chan

The Martin Foss Award

Given to the member of the Haverford College community whose life speaks directly to the lives of others by the powerful harmony of intellect, compassion, and courage.

Jorge Arnaldo Paz Reyes

The Service Leadership Award

Presented to the graduating senior who will make outstanding contributions to social and/or environmental change through projects or programs of their initiation. The award is designed both to nurture graduating seniors as they begin to dedicate their lives to service action and to develop a network of alumni doing model work in the field.

Emma Miller Schwartz

The Stephen G. Cary 1937 Award

Given in honor of Stephen G. Cary 1937 and his contributions to the Haverford community. This award is presented to the senior who best exemplifies "honesty, integrity, a healthy combination of scholarly and extracurricular activities, and, most of all, a deep concern not only for those who are a part of the Haverford community, but also for those who are a part of our neighboring communities." An award of \$1,000 is given in the winner's name to the College for the purpose of financial aid.

Gabriel Franklin

The Students' Council Student Life Award

Presented to the senior who, through hard work, persistence, and concern for their peers, has made the greatest contribution to student life on campus.

Maria Teresa Reyes Pacheco

Faculty and Staff Awards

Presented by Students' Council

The Students' Association Award

Presented to a Haverford faculty member who gives outstanding service to the Haverford community and who upholds the qualities intrinsic to a Haverford education.

Tarik Aougab

The Students' Association Appreciation Award

Presented to a departing member of the Haverford faculty or staff who has given outstanding service to the Haverford community and upholds the qualities intrinsic to a Haverford education.

Walter Hjelt Sullivan

CHESICK SCHOLARS PROGRAM AND HORIZONS LEADERSHIP INSTITUTE

Chesick Scholars Program

The John P. Chesick Scholars Program includes students from backgrounds underrepresented in academia who are especially interested in study and research in their areas of scholarly interest, as well as in working with faculty mentors and like-minded peers to build a supportive academic community.

The eighth cohort of Chesick Scholars comprises the following graduating seniors:

Adelma Isleydis Alejandra Argueta-Roman	Boahen Nimako Kwakye
Juno Elentiya Bartsch	Sunny Martinez
XingZhi Chen	Kimberly Jeanett Palacios
Syeda Fatima Faheem	Jorge Arnaldo Paz Reyes
Lucca Marcello Guzmán-Gieseken	María Teresa Reyes Pacheco
Jonathan Hill Jr.	Kassandra Victoria Rodriguez
Taylor Aiyanna Johnson	

Horizons Leadership Institute

The Horizons Leadership Institute includes students from groups underrepresented in academia who are especially interested in becoming agents of social and structural change on campus. The sixth cohort of Horizons participants comprises the following graduating seniors:

Nada Ashraf Salama Aly	Famo Haji	Santiago Ospina Duran
Adelma Isleydis Alejandra Argueta-Roman	Hannah Lynn Harrison	Kimberly Jeanett Palacios
Jennifer Badillo	Jonathan Hill Jr.	Jorge Arnaldo Paz Reyes
Juno Elentiya Bartsch	Ahlam Mohamed Houssein	Trisha Phan
David Jeremy Betz	Taylor Aiyanna Johnson	Chandini Ragobar
Briana E. Boachie	Pendo Lucy Wanjiru Kamau	Shiza Rana Magar
Zaida Nia Boissiere	Boahen Nimako Kwakye	María Teresa Reyes Pacheco
Andric Brena	AJ Lockner	Kassandra Victoria Rodriguez
Woodkensia Charles	Kelsey Nicole Mabry	Camden Parker
XingZhi Chen	Sunny Martinez	Robinson Rogers
Seun Olabode Eisape	Monica I. Mena Cordero	Matthew Henry Ruiz
Taliyah A. Evans	Petra Tenna Mengistu	Aissatou Dorothy Seck
Syeda Fatima Faheem	Jackie Merino	Joel Torres
Annais Margot Gangolf	Rafael Montero Caro	Kevin Villafañe
Gabriella Estephania Garza	Gabriel Jose Morillo	Rachael Selena Wong
Lucca Marcello Guzmán-Gieseken	Shahla Hamar Mukhtar	Baldwin Zhao
	Camden N. Nguyen	
	Rebecca Ann Osbaldeston	

As of 2021, the Chesick Scholars and Horizons programs have combined to include all first-generation and/or low-income students on Haverford's campus. Graduating seniors who have chosen to honor this identity are wearing Chesick Scholar stoles over their commencement robes.

PHI BETA KAPPA SOCIETY

Founded in 1776, Phi Beta Kappa is the oldest undergraduate academic honor society in the United States. The Haverford College Chapter of the Phi Beta Kappa Society of America was chartered in 1898 as Zeta of Pennsylvania. The Haverford chapter is one of 286 nationwide, housed at colleges and universities with academic programs in liberal arts and sciences acknowledged as sufficiently rigorous and intellectually challenging by standards maintained by the national Phi Beta Kappa society.

Individual selection reflects excellence in the liberal arts and sciences and distinction in a broad array of undergraduate courses. At Haverford College, undergraduate members of good character are selected primarily on the basis of academic performance, as expressed in their course grades. The selection committee of alumni and faculty members of Phi Beta Kappa also considers, to the extent possible, the degree of originality, creativity, and imagination of thought; the range of depth of intellectual interests; and the precision and elegance of a student's work. Normally no less than 10 percent and no more than 15 percent of a graduating class are selected.

The Phi Beta Kappa Society supports programs that significantly advance scholarship and academic excellence by awards, lectures, and outreach activities to schools. Membership now numbers more than 500,000 individuals.

The following members of the Classes of 2024 and 2025 have been elected to the Phi Beta Kappa Society.

Members of the Class of 2024 elected during the junior year:

Maya Isabelle Antonio	XingZhi Chen
Isabel Rose Ashford Arya	Katy Anne Cheng

Members of the Class of 2024 elected during the senior year:

Benjamin Hodder Alexander	Sadie Chaehi Kim	Thea Risher
Emily Hélène Almgren	Kevin Kaiwen Li	Isabel Russak
Ethan Michael Baker	Nicole Jiahan Li	Nathan Stein
Elena Madeline Bien	Tasneem Mabrouk	Rebecca Priscilla Stern
Theodore England Carlin	Katelyn Mann	James Vincent Surgenor
Cecilia Tucker Cohen	Sarah Michelle McNamara	Isabel Thornberry
John A. Donovan IV	Petra Tenna Mengistu	Alec Wallach
Syeda Fatima Faheem	Ruth Pilar Mercedes	Tianai Wang
Natalie Sonia Goeler-Slough	Lucas Linden Miller	Margaret Weisblum
Katherine Yujung Hong	Michael O'Connell	Callia Erin Weisiger-Vallas
Jean Rose Katz	Maya Plimack	Jean Bonauto Wriggins

Members of the Class of 2025 elected this year:

Shoshanah Hornum
Carmen Miller
Noah Tunis

COLLEGE HONORS

Awarded by the Faculty of the College

Summa Cum Laude

Isabel Rose Ashford Arya
Ethan Michael Baker
Elena Madeline Bien
XingZhi Chen

Tasneem Mabrouk
Petra Tenna Mengistu
Ruth Pilar Mercedes
Michael O'Connell

Isabel Russak
Isabel Thornberry
Margaret Weisblum
Callia Erin Weisiger-Vallas

Magna Cum Laude

Benjamin Hodder Alexander
Emily Hélène Almgren
Lorelei Kirsten Alverson
Maya Antonio
Silina Awad
Brandon Mikai Banadda
Aidan Bannon
Ruby Sophie Bouhassira
Theodore England Carlin
Katy Anne Cheng
Cecilia Tucker Cohen
Matthew James Curran
John A. Donovan IV
Syeda Fatima Faheem
Nikki Farrell

Natalie Sonia Goeler-Slough
Meghan Renee Guberman
Keqing He
Katherine Yujung Hong
Ahlam Mohamed Houssein
Aby Isakov
Arushi Ishwar
Maya Greene Johnson-Fraidin
Jean Rose Katz
Sadie Chaehee Kim
Kevin Kaiwen Li
Nicole Jiahn Li
Kelsey Nicole Mabry
Katelyn Mann
Sarah Michelle McNamara

Laura Mercedes
Lucas Linden Miller
Alexandra Renee
 Miranda Castellón
Avi Sandeep Patel
Maya Plimack
Thea Risher
Nathan Stein
Rebecca Priscilla Stern
James Vincent Surgenor
Alec Wallach
Jean Bonauto Wriggins
Isabella Hanul Shin Yin

Cum Laude

George Christopher
 Thomas Allan
Hannah Grace Amendola
Pritha Aryal
Annie Catherine Barrett
Benjamin Baumgarte
Benjamin Alan Bergerson
Anna Marie Bradley
Daniel Carvalho
Zora Catherine Dallmann
Guilherme Zeus
 Dantas e Moura
Kirin Berkley Eicher
Mia Ellis-Einhorn
Ophelia Evans
George Delellis Evans
Annabel Junko Flint
Gabrielle Espiritu Fontanilla
Max Friedmann

Benjamin Graham
William Blackburn Haresch
Julia Rose Katowitz
Jessica Korgen
Eli Harry Kravinsky
Emi Krishnamurthy
Samanyu Kurra
Marlena Langdon
Mimi Lavin
Naomi Lawrence
Cecilia V. Morales
Gabriel Jose Morillo
Erin Nicole Ng
Mata Weerin Ngochanthra
Rachel Lauren Pincus Niebler
Julia Emily Noppenberger
Rebecca Ann Osbaldeston
Micah Elijah Painter
Keon Parsa

Levi Yoder Raskin
Emmeline Grace Riendeau
Isabella Victoria Rose
Dylan Lloyd Rothbort
Theo Samuel Schefer
Benjamin Charles Schiltz
Eva Elisabeth Shin
Matthew Spencer
Neha Thumu
Annika Soranno Shiming Torng
William Theodore
 Budach Veatch
Sophia Kathryn Wagner
Jian Wei
Jason Connor Wild
Eugene Youji Yang
Aidan James York
Daniel Zabezhinsky

DEPARTMENTAL HONORS

High Honors

Awarded by the Departments of the College

Adi Advani

Physics

Benjamin Hodder Alexander

Physics

Emily Hélène Almgren

Mathematics

Lorelei Kirsten Alverson

Political Science

Anagha Aneesh

Chemistry and Physics

Maya Antonio

Linguistics

Pritha Aryal

Economics

Tomás Ascoli

Physics

Isabel Rose Ashford Arya

Anthropology

Ethan Michael Baker

Physics

Aidan Bannon

Physics

Benjamin Alan Bergerson

Physics

Ruby Sophie Bouhassira

Mathematics

Sarah Cohen Campbell

Physics

Theodore England Carlin

Chemistry

Jacob Chan

Linguistics

XingZhi Chen

Chemistry

Katy Anne Cheng

Psychology

Shana Anam Cohen-Mungan

English

Thomas Coleman

Chemistry

Guilherme Zeus Dantas e Moura

Mathematics

Matthew Finbar Denton

English

John A. Donovan IV

Political Science

Kirin Berkley Eicher

Economics

Mia Ellis-Einhorn

Computer Science

Devansh Goyal

Economics

Benjamin Graham

Economics and Mathematics

Lydia Rose Guertin

Astronomy and Physics

Katherine Yujung Hong

History

Aby Isakov

An Independent Major in Visual Studies

Jean Rose Katz
Chemistry

Eli Harry Kravinsky
Political Science

Kevin Kaiwen Li
Chemistry

Kelsey Nicole Mabry
Chemistry

Sarah Michelle McNamara
Chemistry

Petra Tenna Mengistu
Astronomy and Physics

Laura Mercedes
Anthropology

Ruth Pilar Mercedes
History and Spanish Language

Lucas Linden Miller
Psychology

Victor Nault
Computer Science

Rachel Lauren Pincus Niebler
Mathematics

Michael O'Connell
History

Emmeline Grace Riendeau
Physics

Isabel Russak
Psychology

Theo Samuel Schefer
History

Benjamin Charles Schiltz
History

Matthew Spencer
Economics

Nathan Stein
Economics

Rebecca Priscilla Stern
History

James Vincent Surgenor
Chemistry

Isabel Thornberry
Chemistry

Annika Soranno Shiming Torng
History

William Theodore Budach Veatch
Mathematics

Alec Wallach
Physics

Jian Wei
History

Callia Erin Weisiger-Vallas
History

Jean Bonauto Wriggins
Political Science and Spanish Language

Daniel Zabezhinsky
Economics

DEPARTMENTAL HONORS *continued*

Honors

Awarded by the Departments of the College

Adi Advani <i>Pure Mathematics</i>	XingZhi Chen <i>Environmental Studies</i>	Sasha Rain Freedman <i>Environmental Studies</i>
Maya Antonio <i>Education Studies</i>	Berlensie Chery <i>Chemistry</i>	Nora Ruth Gaby-Biegel <i>Neuroscience</i>
Adelma Isleydis Alejandra Argueta-Roman <i>Environmental Studies and Biology at Bryn Mawr College</i>	Cecilia Tucker Cohen <i>Political Science</i>	Annais Margot Gangolf <i>Economics</i>
Lillian R. K. M. Austin <i>History</i>	Lilah Elizabeth Craig <i>Neuroscience</i>	Angelina O'Hara Geralis <i>Computer Science</i>
Ethan Michael Baker <i>Mathematics</i>	Celeste Catherine Cubbage <i>Physics</i>	Matthew Gusdorff <i>Computer Science</i>
Brandon Mikai Banadda <i>Neuroscience</i>	Zora Catherine Dallmann <i>Anthropology</i>	Jason Daniel Haas <i>Chemistry</i>
Annie Catherine Barrett <i>Neuroscience</i>	Guilherme Zeus Dantas e Moura <i>Linguistics</i>	William Blackburn Haresch <i>Physics</i>
Benjamin Baumgarte <i>Physics</i>	Ravi Surya Eaton <i>Neuroscience</i>	William Stuart Harris <i>History</i>
Elena Madeline Bien <i>Neuroscience</i>	George Delellis Evans <i>Physics</i>	Hannah Lynn Harrison <i>Chemistry</i>
Jared Bishop <i>English</i>	Ophelia Evans <i>Environmental Studies</i>	Daniel Ralph Hoehler <i>Physics</i>
Anna Marie Bradley <i>Chemistry</i>	Nikki Farrell <i>Neuroscience</i>	Arushi Ishwar <i>Psychology</i>
Henry Britton <i>Computer Science</i>	Giavanna Rose Flamini <i>Chemistry</i>	Maya Greene Johnson-Fraidin <i>History of Art at Bryn Mawr College</i>
Petra Budavári <i>Physics</i>	Clare Alice Fleming <i>Chemistry</i>	Gabriel Rocco Johnson Sotero <i>Chemistry</i>
Sarah Cohen Campbell <i>Mathematics</i>	Gabrielle Espiritu Fontanilla <i>Psychology</i>	Bela Khanna <i>Philosophy</i>
Jacob Chan <i>Spanish Language</i>	Jacob Seiji Foster <i>International Studies at Bryn Mawr College</i>	Sadie Chaehi Kim <i>Chemistry</i>

Trinity Rae Kleckner
Religion and Computer Science

Naomi Bleier Komatsu
Anthropology

Jessica Korgen
Environmental Studies

Emi Krishnamurthy
Neuroscience

Samanyu Kurra
Economics

Allyson Rachel Landau
Psychology

Allison Flory Landweber
Philosophy

Mimi Lavin
Chemistry

Ilana Page Lehrman
English

Peter Lehv
Applied Mathematics

Lillian Bess Leibovich
Linguistics

Nicole Jiahan Li
Psychology

Alex Lu
Neuroscience

Katelyn Mann
Neuroscience

Emma Sophia Hartry Martignoni
Astrophysics

Sunny Martinez
Education Studies

Laura Mercedes
Political Science

Alexandra Renee
Miranda Castellón
French

Erin Nicole Ng
Neuroscience

Michael O'Connell
Russian at Bryn Mawr College

Santiago Ospina Duran
Psychology

Micah Elijah Painter
Computer Science

Andrew Briggs Peebles
Neuroscience

Trisha Phan
Chemistry

Levi Yoder Raskin
Biology at Bryn Mawr College

Jonathan Rigberg
*Pure Mathematics and Economics
at Bryn Mawr College*

Thea Risher
Education Studies

Alex Rodriguez-Gomez
Environmental Studies

Isabella Victoria Rose
Economics

Matthew Henry Ruiz
Chemistry and Spanish Language

Samuel Schindel
Economics

Emma Miller Schwartz
Anthropology

Oleh Noah Shostak
Economics at Bryn Mawr College

Riley Starling
Physics

Neha Thumu
Computer Science

Fadi Totah
Neuroscience

Sophia Kathryn Wagner
*Environmental Studies and
Biology at Bryn Mawr College*

Margaret Weisblum
Psychology

Anneke S. Wernerfelt
Computer Science

Jason Connor Wild
Neuroscience

Eugene Youji Yang
Economics

Tianbo Yang
Mathematics

Xingyun Yang
Astrophysics

Isabella Hanul Shin Yin
English

Aidan James York
Geology at Bryn Mawr College

DEGREE RECIPIENTS

The College awards a Bachelor of Arts or a Bachelor of Science degree, depending on the major. The title of each student's senior capstone project—whether a thesis, performance, or fine arts portfolio—appears with their name. Reflecting skills, methods, and concepts that are specific to their major, this culminating work reflects the student's knowledge, original synthesis, scholarly contribution, and/or creative expression. Certain majors also include comprehensive exams, and for some majors offered through partner institutions, a senior capstone project may not be required.

Alexander Peter Abramenko

Biology: *Effects of Early-Life Stress on Simple and Spatial-Associative Recognition Memory: Contribution of Cyclin D1 Signaling*

with Minors in Neuroscience and Psychology

Adi Advani

Pure Mathematics: *Alcuin Numbers: River Crossing Problems*

Physics: *Acoustics of Failure: Geohazard Forecasting Using the Density of Modes*

with a Concentration in Scientific Computing

Alvaro Sebastian Aguilar

Education Studies

Sociology at Bryn Mawr College

Inteemum Ahsan

Political Science and Sociology: *The Jordanian Arab Spring: Opportunities, Frames, and Fragmentation in 2011*

Erin Elizabeth Albright

Chemistry: *Investigating the Chemical Defense Compounds of Neotropical Vespids*

with a Minor in Environmental Studies

Benjamin Hodder Alexander

Physics: *Synthetic Mucus Mediates Friction via Tribofilm Formation*

with Minors in Astronomy and Mathematics and a Concentration in Scientific Computing

George Christopher Thomas Allan

Latin

Emily Hélène Almgren

Mathematics: *Knot-Theoretic Approaches to Open Curves With Applications to Entangled Proteins*

with a Minor in Chemistry and a Concentration in Scientific Computing

Lorelei Kirsten Alverson

Political Science: *Violent Feminist Splinter Organizations: A Case Study of Red Zora, Valkyria, and the Weather Underground*

with a Minor in Sociology at Bryn Mawr College

Nada Ashraf Salama Aly

Neuroscience: *ELS and Corticosterone: The Effects of Early-Life Stress and Corticosterone Levels on Spatial Memory Learning in Juvenile Rodents*

with a Minor in Anthropology

Hannah Grace Amendola

Spanish: *La educación de la mujer bajo el franquismo*

with a Minor in Psychology

Anagha Aneesh

Chemistry and Physics: *Quantum Density Functional Theory Reveals the Effect of Charge Transfer on the Vibrational Spectra of Terminal Alkynes in Triethylamine*

Maya Antonio

Education Studies

Linguistics: *From Language Ideology to Practice: Teachers' Navigation of Language Ideologies in a Bilingual Community Education Center*

Adelma Isleydis Alejandra Argueta-Roman

Environmental Studies: *Forest Restoration: How History and Culture Shape Restoration in the Wissahickon Area*

Biology at Bryn Mawr College: *Exploring the Relationship Between Physiology and Reproductive Output Under Global Change Factors on Wetland Ecosystems*

Pritha Aryal

Economics: *The Impact of California Paid Family Leave (CA-PFL) Policy on Mothers' Shares of Household Incomes*

with a Minor in Sociology and a Concentration in Mathematical Economics

Tomás Ascoli

Mathematics: *Mathematical Models of Algae-Daphnia Systems*

Physics: *Effects of Thermal Annealing on the Photoconductivity of TPPS4 Porphyrin Nanowires*

Isabel Rose Ashford Arya

Anthropology: *The Gardens and Protests of Alcatraz Island: Cultivating Historical Memory*

with a Minor in Spanish

Lillian R. K. M. Austin

History with a Minor in East Asian Languages and Cultures

Silina Awad

Biology: *Characterizing the Role of the RNA-Binding Protein YBX3 in Post-Transcriptional Regulation of Skeletal Muscle-Cell Proliferation and Differentiation*

with a Minor in Psychology

Jennifer Badillo

Psychology: *Moderators of Music Use in Cognitive Performance*

with a Minor in French and Francophone Studies

Ethan Michael Baker

Mathematics: *Order of Selmer Groups of Congruent Number Curves Over Real Quadratic Fields*

Physics: *Particle Self-Energies in the BSBM Model of a Varying Fine-Structure Constant*

Jordany Baltazar

Economics: *Fouls or Foul Play? Investigating the Influence of Referee Bias in the WNBA*

Brandon Mikai Banadda

Neuroscience: *The Examination of Novel Object Recognition in Zebrafish*

Aidan Bannon

Physics: *Watch Your Step! Investigating the Effects of Substrate on Robot Locomotion Performance*

Annie Catherine Barrett

Neuroscience: *The Role of Mesolimbic Estrogen Receptors in Modulating Peripartum Estradiol Effects on Neuroplasticity*

with a Minor in Health Studies

Juno Elentiya Bartsch

Education Studies and Computer Science at Bryn Mawr College: *Breaking Down Barriers: Supporting Minoritized Learners in Undergraduate Computer-Science Courses*

with a Minor in Data Science at Bryn Mawr College

Benjamin Baumgarte

Physics: *Simulating Defect Formation and Behavior in Cholesteric Liquid Crystal Textures Doped With Light-Driven Molecular Motors*

with a Minor in Statistics

Kyle James Beach

Computer Science: *Depreciating Assets, Projected Value, and Risk Management in Major League Baseball*

with a Minor in Mathematics at Bryn Mawr College

Alexandria Catherine Behm

English: *Heart Compass: Stories*

with a Minor in Classical Culture and Society and a Concentration in Creative Writing

Benjamin Alan Bergerson

Physics: *Classification of Flocculent and Grand Design Spiral Galaxies Using Supervised Machine Learning*

Ari Bernstein

Sociology: *The Role of Collective Value Judgment in Mediating the Doll Collector Community*

David Jeremy Betz

Environmental Studies with a Minor in Music

Zachariah Amin Bhuiyan

Mathematics: *From Stability to Snap-Back Repellers: Chaos in the Logistic Map*

with a Minor in Economics

Elena Madeline Bien

Neuroscience: *Efficacy of Neurorehabilitation Using tDCS Paired With Speech and Language Therapy on Improvements in Baseline Language Performance in Patients With Logopenic Primary Progressive Aphasia*

Jared Bishop

English: *"I Darena Lat You In": The Child Ballads, Academic Canons, and the Folk Tradition*

with a Minor in Japanese Language

Briana E. Boachie

Biology: *Investigating the Role of Extracellular DNA in M. xanthus Fruiting Body Stability*

Zaida Nia Boissiere

Political Science: *Imperial Footprints: Unraveling British Colonial Legacies in the Criminal Justice Systems of Nigeria and the U.S.*
with a Minor in French and Francophone Studies

Xander Boldt

Economics: *Target Tracking With Game Theory*

Artem Borodin

Economics: *Equilibria Strategies in a Model of Constructive Feedback*

Ruby Sophie Bouhassira

Mathematics: *Topological Data Analysis With Applications to Birdcall Identification*
with a Minor in Psychology

Anna Marie Bradley

Chemistry: *Assessing Learning Domains Used by Chemistry Education Games: A Review*
with a Minor in Health Studies

Andric Brena

Computer Science: *Understanding the Concept of a Notional Machine*

Henry Britton

Computer Science: *Interpreting Convolutional Neural Networks for Computational Genetics*

Benjamin Apolinary Bronstein

Economics: *Workforce Diversity in the Commercial Banking Industry*

Vic Brown

Education Studies
with a Minor in Literatures in English at
Bryn Mawr College

Petra Budavári

Physics: *3D-Printed Feet Modelled After Zebra-Tailed Lizards (C. draconoides) Can Help Explore Locomotion in Granular Media*
with a Concentration in Biophysics

Sarah Cohen Campbell

Mathematics and Physics: *Available Configuration Space of Super-Ellipse Sector Particles*

Theodore England Carlin

Chemistry: *Establishing the Role of Charge Density Matching and Hydrogen-Bonding in Templated Vanadium Selenite Oxalate Formation*

Anthony Carrillo

Chemistry

Daniel Carvalho

Political Science: *Forming Democracy's Backbone: How Cues Influence American Public Opinion*
with a Minor in Data Science at Bryn Mawr College

Jacob Chan

Education Studies
Linguistics: *Monolingual Spain? The Impact of the Co-Official Designation on Catalan and Asturian Language Policy and Education*
Spanish: *¡Usa la llengua! La evolución de las campañas lingüísticas en la Cataluña posfranquista*

Aidan Chang-Lee

Growth and Structure of Cities at Bryn Mawr College: *Similar Circumstances, Different Solutions: Seattle and San Francisco's Opposite Remedies to Elevated Waterfront Freeways*
with a Minor in Data Science at Bryn Mawr College

Aidan Chapin

Sociology: *"What Is my Nation?": Modernity, Diaspora, and Nationalism in the United States*
with a Minor in Philosophy

Ila Charendoff

Biology: *Establishing Predictive Traits Associated With Operational Performance in Bio-Detection Canines and Obtaining Laboratory Performance Data on Dogs Trained to Detect Chronic Wasting Disease*

Woodkensia Charles

Physics: *Time Invariance Violation of Neutrino Oscillations*
with a Minor in Astronomy

XingZhi Chen

Chemistry: *Examining the Presence of Phthalates in Environmental Plastic Debris*
Environmental Studies: *Understanding Traditional Chinese Herbal Medicine in the 21st Century: A Case Study of Longdan Xiegan Tang*

Katy Anne Cheng

Psychology: *"Shame on You": Collectivistic Cultural Values Influence the Relationship Between Shame Experiences and Psychosocial Well-Being*
with a Minor in Neuroscience

Louis M. Cheng

Psychology: *Examining the Moderating Effects of the Parent-Child Relationship and Culture Between the Associations of Parental Strictness Behavior and Youth Adjustment Among College Students*
with Minors in Statistics and Data Science at Bryn Mawr College

Berlensie Chery

Chemistry: *Synthesis and Characterization of DIPI-PA, a Bidentate Guanidine-Pyridine Hybrid Ligand*
with a Concentration in Biochemistry

Samuel Sunghwan Choi

Philosophy: *Uncovering Han: Tracing Our Roots, Forging Identities, Crafting Community*
with a Minor in Religion

Adam Connor Chow

Economics: *Melting Pot or Mosaic: The Impact of Social Sentiment on Immigrant-Native Wage Differentials*
with a Minor in East Asian Languages and Cultures

Willow Clayton

Psychology: *Effects of Ventral Tegmental Area Estrogen Receptor Alpha Knockdown Following a Hormone-Simulated Pregnancy on Δ FosB Production in the Nucleus Accumbens*
with a Minor in Neuroscience

Cecilia Tucker Cohen

Political Science: *Inside the Far Right: An Analysis of Accelerationist Terrorism in the United States*
with a Minor in Visual Studies

Shana Anam Cohen-Mungan

English: *The Future of Next Wednesday Night: Douglas Crimp's Queer Planning in an Early Year of AIDS*

Thomas Coleman

Chemistry: *A Meta-Analysis on the Use of Games as an Alternative Learning Tool in Chemistry Classrooms*
with a Minor in Health Studies and a Concentration in Biochemistry

Katherine Winstead Conn

Chemistry: *A Computational Investigation of the Coating of Citrate-Capped Silver Nanoparticles*

Joshua Cameron Dylan Corbett

Physics: *Toward Advancing Atmospheric Water Capture Using Nanoscale Physical Structures*
with a Minor in Classical Culture and Society

May Courtney

Neuroscience: *The Impact of Peripartum Estrogen Withdrawal on Dopamine Dynamics in the Nucleus Accumbens Core and Shell in Mice*
with a Minor in Psychology

Lilah Elizabeth Craig

Fine Arts
Neuroscience: *The Effects of Peripartum Estradiol Fluctuations on Nucleus Accumbens Dopamine Dynamics in Mice*

Charlie Crawford

Computer Science: *Scene and Unseen: GPT Bias in Script Writing*
with a Minor in Environmental Studies

Alice Rebecca Creed

History: *"The Present Frenzy of Our Womenkind": The Impact of the Calico Acts of 1700 and 1721 on Economic and Social Power in Early Modern England*
with a Minor in Anthropology

Scout Crooke

Biology: *Investigating Changes in Microbial Communities and Soil Chemistry During Plant Succession at a Heavy Metal-Contaminated Field Site*
with a Minor in Environmental Studies

Celeste Catherine Cubbage

Physics: *Demonstrating Fusion in an Inertial Electrostatic Confinement Device*
with a Minor in Economics

Allison Faye Cubell

Psychology: *Subjective Social Status and Well-Being: The Role of Class-Based Identity Uncertainty in Early Adolescence*
with a Minor in Economics

Matthew James Curran

Biology: *Developing a Jab Infiltration Protocol to Silence YUP Expression in Monkeyflowers*
with a Minor in Religion

Zora Catherine Dallmann

Anthropology: *The Portal of Serendipity: Public Libraries, Children's Rooms, and the Importance of Public Space for Caregivers*

Guilherme Zeus Dantas e Moura

Linguistics: *Requirement of Variable-Introducing Elements on Event Quantification in Chinese: A Case Study of 每 měi-VP Sentences*
Mathematics: *Combinatorial Models for Key Polynomials and Atom Polynomials*

Paola Delgado Umpierre

Chemistry: *Unnatural Amino Acids as Vibrational Probes for Observing Dynamic Protein Structure* with a Concentration in Biochemistry

Jordan Denaver

Psychology: *The Relationship Between Parental Strictness, Parental Warmth, and Youth Adjustment Outcomes Among European American and Asian American College Students* with a Minor in Neuroscience

Matthew Finbar Denton

English: *“How Much Should Not Have Happened”: Optimism, Trauma, and Authorship in Chimamanda Ngozi Adichie’s Half of a Yellow Sun*

Simon Gregory Dickinson

Physics: *The Effect of Hydrogen on the Photoconductivity of Tetrakis(4-Sulfonatophenyl) Porphine J-Aggregate (TPPS4) Nanowires* with a Minor in Economics

Jillian Grace DiTommaso

Political Science: *Is Motherhood Bad for Business? An Investigation Into the Benefits and Drawbacks of Family Leave Policies on Women and Businesses* with a Minor in Economics

John A. Donovan IV

Political Science: *Between the Bars: Explaining Provisional IRA Responses to Incarceration, 1971–2000* with a Minor in Religion

Ravi Surya Eaton

Neuroscience: *The “Default Mode Network” as a Physiological Marker for Neuroplastic Changes From Mindfulness and Meditation*

Kirin Berkley Eicher

Economics: *Collective Safety: The Impact of Right-to-Work Legislation on Workplace Injury Rates* with a Minor in Statistics

Seun Olabode Eisape

Computer Science: *An Examination of the Sensitivity of Transformer-Based Machine Translation Models to Linguistically Motivated Perturbations*

Mia Ellis-Einhorn

Computer Science: *Influence and Equity in Faculty Co-Authorship Networks* with a Minor in Visual Studies

George Delellis Evans

Physics: *Evolutionary Neuromorphic Networks for Drone Simulation*

Ophelia Evans

Environmental Studies: *Reimagining Manufacturing Through the Artistic Process* with a Minor in French and Francophone Studies

Taliyah A. Evans

Biology: *Tissue-Specific Extracts from *Pinus densiflora* Attenuate Toxicity by Different Mechanisms in *Caenorhabditis elegans** with a Concentration in Biochemistry

Syeda Fatima Faheem

Biology: *Exploring the Effects of *Acer rubrum* and *Acer saccharum* Extracts on Amyloid- β -Induced Toxicity in a *Drosophila melanogaster* Alzheimer’s Disease Model*

Nikki Farrell

Neuroscience: *Investigating the Therapeutic Effects of Sugar Maple Extract on a *C. elegans* Model of Huntington’s Disease* with a Minor in Health Studies

Charles Mitchell Ferguson

Chemistry: *Site-Specific Incorporation of Two Non-Canonical Amino Acids as Raman Vibrational Probes of Acyl Carrier Protein Dynamics* with a Minor in Philosophy and a Concentration in Biochemistry

Alexa Marie Finkle

Mathematics at Bryn Mawr College

Giavanna Rose Flamini

Chemistry: *Exploratory Synthesis of Nickel Halide Perovskitoids*

William Kim Flanders

Astrophysics: *Using HI Observations to Test Ultra-Light Axion Dark Matter* with a Concentration in Scientific Computing

Arden Miko Sakyo Fleming

Fine Arts: *An Exhibition of Pop-Up Pages Printed Using Lithography and Monotype Techniques Exploring the Theme of Memory* with a Minor in Japanese Language

Clare Alice Fleming

Chemistry: *Discovery of Lead-Free Perovskites Using High Throughput Experimentation* with a Minor in Classical Culture and Society

Annabel Junko Flint

Biology: *Symbiont-Host Relationships: Protocol Development to Visualize Wolbachia in Drosophila Embryos, and Preliminary Investigation Into Observed Patterns*

Fine Arts: *My Ukiyo-e / 私の 浮世絵*

Gabrielle Espiritu Fontanilla

Psychology: *Quantitative and Computational Narrative Approaches to Relations of Age, Generational Status, and Family Influences on Bicultural Identity* with a Minor in Data Science at Bryn Mawr College

Jacob Seiji Foster

Sociology: *East to West: International Educational Migration of East Asian Undergraduates to the United States*

International Studies at Bryn Mawr College: *Beyond Borders: Growth and Transformations in International Tertiary Students' Choice of Destinations* with a Minor in East Asian Languages and Cultures

Gabriel Franklin

English: *"Will You Not Hear Me?" Trauma, Voice, and the Uncanny in Wieland and the Construction of American Literary Tradition* with a Minor in Economics

Sasha Rain Freedman

Environmental Studies

Max Friedmann

Psychology: *The Pursuit of Certainty: Exploring Status-Based Identity Uncertainty's Influence on the Relationship Between Social Mobility Belief and Adolescent Well-Being*

Nora Ruth Gaby-Biegel

Neuroscience: *Diving Into the Gene Pool: Investigating the Localization of *ap2s1* Expression During Habituation in Zebrafish* with a Minor in Psychology

Oliver Luke Galea

Mathematics: *Using Alternating-Sign Matrices to Discuss Recurring Applications in Representative Structures*

with Minors in Psychology and Statistics and a Concentration in Mathematical Economics

Reesha Gandhi

Psychology: *The Influence of Advertising: A Cross-Cultural Study* with a Minor in Visual Studies

Annais Margot Gangolf

Economics: *Refinancing and Consumption: Evidence from BLS Microdata* with a Minor in Mathematics at Bryn Mawr College

Gabriella Estephania Garza

Biology: *Investigating the Effect of Juvenile Hormone on the Growth and Adhesion of Crithidia fasciculata in a Mosquito Hindgut Model*

Owen Zachary Genco-Kamin

Psychology: *No Laughing Matter: Gender's Relationship to Comedy and the Psychology of Humor* with a Minor in Child and Family Studies at Bryn Mawr College

Angelina O'Hara Gerals

Computer Science: *Predicting Stock Prices Using Machine Learning* with a Minor in Economics

Atira Glenn-Keough

Mathematics: *Outer Space and Entropy* with a Minor in Anthropology

Natalie Sonia Goeler-Slough

Biology: *Unraveling the Molecular Underpinnings of How a Bacterial Signal Protects Oceanic Phytoplankton from Viral Death* with a Minor in Environmental Studies

Kylan Sydney Gould

Sociology: *"He Wasn't Supposed to Die": How College Students Coping With Peer Loss Differ From Other Groups of Grievors* with a Minor in Educational Studies

Fiona Gowin

Anthropology with a Minor in Psychology

Devansh Goyal

Economics: *Intracoalition Dynamics in India: Analyzing Strategic Transfers and Stability* Mathematics at Bryn Mawr College

Benjamin Graham

Economics: *Prime Opportunity: Amazon's Expansion and Teen Education Attainment* Mathematics with a Minor in Philosophy

William Thomas Graves

Political Science: *Democratizing Transit Planning: The Role of Democratic Planning in Overcoming Obstacles to Equitable Transit Policy*

Meghan Renee Guberman

Psychology: *Lost in Transition: Exploring How Social Status and Gender Moderate the Relationship Between Adolescent Loneliness and Class-Based Identity Uncertainty*

with a Minor in Child and Family Studies at Bryn Mawr College

Lydia Rose Guertin

Astronomy and Physics: *Structures of the Interstellar Medium: Connecting Scintillation Phenomena in Multiwavelength Millisecond Pulsar Data*

with a Minor in Religion and a Concentration in Peace, Justice, and Human Rights

John Lachlan Gunsbury

Economics: *Holy Crop! The Effects of the 2014 Farm Bill on U.S. Cropland Value*

Matthew Gusdorff

Computer Science: *Evaluating Bias in a GAN's Latent Space*

with Minors in German and German Studies and Mathematics at Bryn Mawr College

Lucca Marcello Guzmán-Gieseken

Political Science: *Language in the Court: The Supreme Court's Effect on Public Consciousness Regarding Queer Rights*

with a Minor in Visual Studies and a Concentration in Peace, Justice, and Human Rights

Jason Daniel Haas

Chemistry: *Synthesis and Characterization of Short-Chain Conjugated Alkynyl-2H-Azirines*

with a Concentration in Biochemistry

Famo Haji

Neuroscience: *Examining the Effects of Mindfulness-Based Interventions on the Mental Health of Children Who Have Experienced Early-Life Adversity*

Cole Hannah

History of Art at Bryn Mawr College: *Afrosurreal: Behold the Invisible Worlds of Ringgold and Kentridge*

with a Minor in Africana Studies at Bryn Mawr College

William Blackburn Haresch

Physics: *Investigating Experimental Methods for Enhancing the Flow Rate of Liquid Suspensions*

with Minors in Astronomy and Music

Emily Keeley Harrington

Political Science: *Building More Inclusive Schools: Exploring Boston's METCO Program*

with Minors in Economics and Health Studies

William Stuart Harris

History: *Dare to Look: Manuel Godoy's Secret Cabinet and Enlightenment in 18th-Century Spain*

with Minors in Spanish and History of Art at Bryn Mawr College

Hannah Lynn Harrison

Chemistry: *Developing a Modular Synthetic Route to Access a Library of 2H-Azirine Derivatives*

with a Minor in Classical Culture and Society

William Jay Hatfield

Physics: *Using HR5 to Explore the Gravitational Wave Background*

with a Minor in Economics

Theresa Ann Haupt

Chemistry: *A Molecular Dynamics Investigation of the Solvent Structure Around Terminal Alkyne Probes to Explain Solvatochromism*

with a Concentration in Biochemistry

Keqing He

Mathematics: *Categorical Data Analysis of Perovskite Synthesis Data: The Relationship Between Synthesis Input and Output*

with a Minor in Chemistry and a Concentration in Scientific Computing

Elizabeth Margaret Healy

Economics: *Behind the Box Office: Directorial Influence on Film Revenue in the U.S. Entertainment Industry*

with a Minor in Mathematics

Jonathan Hill Jr.

Computer Science: *Reducing Barriers to CS Through the Use of N-Dolphin/Orc2a*

Daniel Ralph Hoehler

Physics: *Trainable Solar Cell Activity of TPPS4 Nanowires*

with a Minor in Economics

Abigail Grace Holland

Neuroscience: *Exploring the Effects of Social Isolation on Novel Object Recognition (NOR) in Danio rerio*

Katherine Yujung Hong

History: *China to China: Consolidating a National Identity Through Porcelain in 18th-Century Britain*

with a Minor in Fine Arts

Yiping Hou

Growth and Structure of Cities at Bryn Mawr College

Ahlam Mohamed Houssein

Biology: *Investigating Synthetic Ecdysone and the Life Cycle of Crithidia fasciculata: Effects on Parasite Growth, Adhesion, and Morphology in a Mosquito Hindgut Model*

with a Minor in Health Studies

Nam Trần Huỳnh

Neuroscience: *Tripping to Treatment: Psychedelic-Induced Neuroplasticity for Treatment-Resistant Depression?*

Dylan Lee Ioffreda

Growth and Structure of Cities at Bryn Mawr College

Aby Isakov

An Independent Major in Visual Studies: *Queer Filmmaking and the Pleasures of Experimentation* with a Minor in Sociology

Arushi Ishwar

Psychology: *Exploring the Effects of Social Isolation on Novel Object Recognition (NOR) in Danio rerio* with a Minor in Health Studies

Kaj Jensen

Political Science: *Orientalism and American Knowledge About China in Foreign Affairs Magazine* with a Minor in Chinese Language

Tanvi Jha

Political Science: *From the Ganges to the Great Barrier Reef: Unraveling India's Indo-Pacific Engagement* with a Minor in History at Bryn Mawr College

Daren Jin

Economics: *The Effect of Housing Costs on Fertility in the U.S.*

Taylor Aiyanna Johnson

Sociology: *Understanding Black Culture Through the Eyes of Non-Black POC Communities* with Minors in Anthropology and Africana Studies at Bryn Mawr College

Maya Greene Johnson-Fraidin

History of Art at Bryn Mawr College: *The Witch as a Mirror: Dürer and Grien's Demonization of the Female Body*

Gabriel Rocco Johnson Sotero

Chemistry with a Concentration in Biochemistry

Pendo Lucy Wanjiru Kamau

Anthropology: *Making the Home, Planning the Town: Exploring Spatial Imagination in Residential Nairobi* with a Minor in French and Francophone Studies

Julia Rose Katowitz

Psychology: *Parent-Child Relationship Quality Moderates the Association Between Strict Parenting Behaviors and Child Help-Seeking and Mental Health for Asian American and European American College Students*

Jean Rose Katz

Chemistry: *Investigating the Role of Nitration in the Phase Separation Behavior and Aggregation Properties of Alpha Synuclein Using Vibrational Spectroscopy* with a Minor in French and Francophone Studies and a Concentration in Biochemistry

Mitali King Kessinger

Computer Science: *Comparing Simplex and Interior-Point Linear Optimization Methods for a Multi-City Transportation Problem*

Bela Khanna

English: *Playing House*
 Philosophy: *"What Is More Wonderful?": Existential Violence, Gender, Freedom, and Erotic Love Beyond Levinasian Ethics* with a Concentration in Creative Writing

Henry Clay Killoren

Political Science: *Addressing the Housing Crisis: A Blueprint for Building More Affordable Housing in San Francisco*

Sadie Chaehi Kim

Chemistry: *Investigation of N-Terminally Acetylated Alpha Synuclein and Its Membrane-Binding Behavior Through the Incorporation of an Alkyne Probe via L-Homopropargylglycine* with a Minor in Health Studies and a Concentration in Biochemistry

Trinity Rae Kleckner

Computer Science: *Video Games for Dyslexia: Using Game Design for Prevention and Coping Strategies*
 Religion: *Intersectional Covering: The Management and Power of "Impure" Identities*

Curtis Kline

Growth and Structure of Cities at Bryn Mawr College: *The Limits of Cooperation: Inclusion and Exclusion in the Interactions of Food Co-Ops and Their Evolving Neighborhoods*

Daniel Aizik Kogan

Environmental Studies: *Foie Gras in the Modern World: A Culture Staple or an Unsustainable Relic?*
with a Minor in Creative Writing at
Bryn Mawr College

Stevie Harmon Kollin

Sociology at Bryn Mawr College with a Minor in
Gender and Sexuality Studies

Naomi Bleier Komatsu

Anthropology: *Navigating Health Care Worlds: Community, Belonging, and Care at Haverford College During the COVID-19 Pandemic*
with a Minor in Health Studies

Jessica Korgen

Environmental Studies: *Live Fast, Die Young: Examining Hydraulic Conductivity of the Extinct Lepidophloios and Extant Wollemia nobilis*;
with a capstone project entitled *Hold the Salt: Effects of Road Salt on Freshwater Systems in the Delaware River Basin*
with a Minor in Psychology

Eli Harry Kravinsky

Political Science: *Purging the Regime's Protectors: Why Do Authoritarian Leaders Purge Their External Security Organizations?*

Emi Krishnamurthy

Neuroscience: *Medial Prefrontal-Cortex Calcium Dynamics During Innate-Threat Virtual Reality Simulations in Mice*

Halley J. Kucirka

Mathematics: *The Group Action of the Free Group on the Culler-Vogtmann Space*
with a Minor in History of Art at Bryn Mawr College and a Concentration in Scientific Computing

Peter Kulowiec

Mathematics: *Metrics on the Outer Space of Graphs*
with a Minor in Music

Samanyu Kurra

Economics: *Reaching for the Sky: Signaling Through Building Height in Real Estate Development*
Mathematics at Bryn Mawr College

Boahen Nimako Kwakye

Biology: *Leveraging Electroporation for Gene Modification with CRISPR-Cas9 Complex in Chlamydomonas reinhardtii*

Allyson Rachel Landau

Psychology: *Gender Race Intermodal Perception (GRIP)*
with a Minor in Environmental Studies

Allison Flory Landweber

Philosophy: *Philosophy in the Economy of Death: On Jamie Berrou, Trans Philosophy, and Difference Without Separability*
with a Minor in French and Francophone Studies

Marlena Langdon

Biology: *The Role of Phase Variation in the Production of Starvation-Induced Cell Fates in Myxococcus xanthus Biofilms*
with a Minor in Fine Arts

Matthias Langer

Biology: *Investigations Into the Effect of Acer rubrum Extract and Experimental Design of an Amyloid Beta Oligomer Quantification Assay in a Caenorhabditis elegans Model of Alzheimer's Disease*

Maya Elena Langer

Biology: *Bumblebees Rely on Olfactory Signals to Choose Between Mimulus Flowers: How Multimodal Signal Interpretation Shapes Floral Preference*
with Minors in Latin and English Literature at Swarthmore College

Mimi Lavin

Chemistry: *Quantifying Oxidative Stress Through Machine Learning and Raman Spectroscopy*
with a Concentration in Scientific Computing

Naomi Lawrence

Fine Arts: *An installation of Hand-Dyed Fabric Printed With Hand-Carved Woodcuts*

Ilana Page Lehrman

English: *The Tremendousness of Ordinary Moments: Psychological Chaos and Experiential Wholeness in Virginia Woolf's The Waves*

Peter Lehn

Applied Mathematics with a Minor in Economics

Lillian Bess Leibovich

Linguistics: *The Deletion of the Causative Prefix o- in Valley Zapotec as a Morphophonological Phenomenon*
with a Minor in Theater Studies at Bryn Mawr College

Nathaniel O. Leighninger

History: *The Assigant in the Rhineland-Palatinate, 1789–1796*

Economics at Bryn Mawr College: *Mine Closures and Demographic Decline in West Virginia*

Harrison Tyler Lennertz

Biology: *Genetic Rescue of Chlamydomonas reinhardtii Strain CC-5090 to Preserve Phenotype of High-Efficiency Oligonucleotide-Directed Mutagenesis* with a Minor in Music

Nicole Jiahan Li

Psychology: *Feeling With the Body: Cultural Variations in the Use and Efficacy of Body-Oriented Emotion Regulation*

with Minors in Philosophy and Statistics

Jiaxin Li

Philosophy: *How to Fit a Tree Through a Tight Window: Unveiling the Poetic Power to Articulate the Ineffable*

Kevin Kaiwen Li

Chemistry: *Developing an In Vitro Biosynthetic Platform to Increase Type II Polyketide Structural Diversity*

with a Concentration in Biochemistry

Neville Clark Linden

Economics: *Crises of Confidence: Description and Comparative Analysis of Mid-Size Bank Failures, 2008–09 and 2023*

with Minors in Mathematics and Computer Science at Bryn Mawr College

Becca Lindenbaum

Physics: *Magnetic Obstacles in a Plasma Wind Tunnel* with a Minor in Astronomy

AJ Lockner

Environmental Studies: *Reenvisioning Bryn Mawr's Green Space*

Brian Lorenz

Economics: *Analyzing Loss-Aversion Through NBA Free Throw Performance*

Alex Lu

Neuroscience: *Aging Gracefully: Exploring Successful Cognitive Aging in Recognition Memory*

Tasneem Mabrouk

Growth and Structure of Cities at Bryn Mawr College: *Creating Community: Italian and Southeast Asian Placemaking in South Philadelphia* with a Concentration in Peace, Justice, and Human Rights

Kelsey Nicole Mabry

Chemistry: *Beta-Hydroxybutyrate Mitigates Polyglutamine Toxicity Phenotypes in a Caenorhabditis elegans Model of Huntington's Disease* with a Minor in Neuroscience and a Concentration in Biochemistry

Yanna Grace Madison

Linguistics

Luke Blume Mandel

Political Science: *Repeated Coercive Migration: Why Do Target States Keep Losing?*

Katelyn Mann

Neuroscience: *Individual Differences in Emotion Regulation: A Neurophysiological Investigation Evaluating the Late Positive Potential*

Emma Sophia Hartry Martignoni

Astrophysics: *Investigating the Impact of Galactic Environment and Mass on Radial Trends in Star Formation Rate*

Margaret Martin

Chemistry: *Examining the Persistence of Oil From the 2010 Deepwater Horizon Oil Spill* with a Minor in Anthropology

Sunny Martinez

Education Studies with a Concentration in Peace, Justice, and Human Rights

Ben Mawn-Mahlau

Anthropology: *Being Medicated: Social and Diagnostic Marking in ADHD and Anxiety* with a Minor in Health Studies

Eleanor Marie McMahan

Computer Science: *An Analytical Approach to Higman's Lemma* with a Minor in Mathematics

Olivia Marie McMillan

English: *The Palliation of Poetry: Expressing the Pain-Language Relationship in Theory and in Dickinson* with Minors in Health Studies and Psychology

Sarah Michelle McNamara

Chemistry: *Progress Toward the Synthesis of Natural Product (R)-Dysidazirine* with a Minor in Health Studies

Monica I. Mena Cordero

Economics: *Financial Access and Foreign Direct Investment Impact on the Relation Between Economic Growth and Inequality*
with a Minor in Spanish and a Concentration in Latin American, Iberian, and Latinx Studies

Petra Tenna Mengistu

Astronomy and Physics: *The Role of Galactic Bars on Regulating Star Formation*
with a Concentration in Scientific Computing

Ben Menko

Computer Science: *Natural Language Explanations for Image-Classification Decisions*

Laura Mercedes

Anthropology: *Homesick for Another World: Analyzing the Methods and Efficacy of Neo-Shamanism*
Political Science: *Beyond Statues, "Amusing Metaphors," and "Noble Savages": Examining the Modern Environmental Movement's Relationship With Symbols of Indigeneity*

Ruth Pilar Mercedes

History: *"Between Civilization and Sundown": The Daughters of the American Revolution and Westward Expansion*
Spanish: *"Regina entre las flores": Las diversas construcciones de Regina Teuscher y la formación del icono del 1968*

Jackie Merino

Psychology at Bryn Mawr College

Caleb T. Miller

Philosophy

Lucas Linden Miller

Psychology: *Choice and Efficacy of Emotion-Regulation Strategies in Relation to Stigma and Implicit Bias: Impact of Reappraisal, Disengagement, and Donation on the Late Positive Potential*
with Minors in Neuroscience and Data Science at Bryn Mawr College

Samuel David Millie

Economics: *An Examination of AI-Powered Exchange-Traded Fund (ETF) Returns and Their Exposure to ESG*

Alex Peter Millones

History: *Clotilde Arias: A Champion of Inclusive Pan-American Cultural Exchange in New York City, 1930–1950*
with a Concentration in Latin American, Iberian, and Latinx Studies

Olivia Hope Mihee Min

Literatures in English at Bryn Mawr College: *Redefining and Reclaiming Horror: Exploring the Capabilities of the Horror Genre for Discussing Latina Experiences of Motherhood in the United States in "The Husband Stitch"*
with a Minor in Classical Culture and Society

Alexandra Renee Miranda Castellón

French and Francophone Studies: *Le paradoxe de la mécanisation: L'héritage de Descartes dans la culture française du XVIIe siècle*
Psychology: *"Shame on You": Collectivistic Cultural Values Influence the Relationship Between Shame Experiences and Psychosocial Well-Being*

Calum Lee Mitchell

Applied Mathematics: *Adapting Algorithms for 15-Minute Cities*

Sophia Gabrielle Loperfido Mohammed

Biology: *CheA Homologs Regulate Motility and Fruiting Body Formation in the Myxococcus xanthus Stress Response*

Helen Emily Moniz

Biology: *Understanding the Effects of Estrogen Receptor α and B Activation in the Ventral Tegmental Area on Δ FosB Production in the Nucleus Accumbens Following a Hormone-Simulated Pregnancy*
with Minors in Environmental Studies and Neuroscience

Rafael Montero Caro

Anthropology: *Desfallecimiento: Displacement, Racial Capitalism, and Bureaucracy in Puerta de Tierra, Puerto Rico*
with a Minor in Health Studies

Mina Moore

Psychology: *A "Maturation Crisis": A Logotherapeutic Proposal for Postpartum Depression in Adolescence*

Cecilia V. Morales

Biology: *Establishing a Neuronal Requirement for *ap2s1* in Modulating Zebrafish Escape Behavior*
with a Minor in Health Studies

Gabriel Jose Morillo

Political Science: *Black Pride in African Hair* with a Minor in Africana Studies at Bryn Mawr College and a Concentration in Peace, Justice, and Human Rights

Maxwell Chase Mouer

Political Science: *Do Circumstances Matter? Exploring the Relationship Between Extreme Weather Events and the Future of Climate Change Opinion*

Shahla Hamar Mukhtar

Chemistry: *Characterizing Activation and Acylation Abilities of Diverse Non-Actinobacterial Acyl Carrier Proteins in Type II Synthases* with a Minor in Visual Studies

Cyrus Quinn Nasser

Chemistry: *Exploratory Chemistry: Amine-Templated Copper Selenite Synthesis* with a Concentration in Biochemistry

Victor Nault

Computer Science: *Co-Design for Edge Intelligence: Binary Neural Networks*

Victoria Nelson

Philosophy: *Letting Go of Referential Meaning: A Move Toward Allowing for Spontaneity and Openness in Art Experience*

Erin Nicole Ng

Neuroscience: *A Neurophysiological Examination of Individual Differences in Emotion Regulation Through Investigations of the Late Positive Potential* with a Minor in Psychology

Mata Weerin Ngochanthra

Biology with a Minor in Chinese Language

Camden N. Nguyen

Biology: *Pollen Macronutrient Ratios as a Potential Part of Pollinator Syndrome and Speciation Driver in Flower Family Mimulus*

Rachel Lauren Pincus Niebler

Mathematics: *Computing the Entropy Metric on Culler-Vogtmann Outer Space* with Minors in Educational Studies and Psychology

Aryaman Nirvan

Economics: *The Impact of Ground Transport Apportionment on Motor Vehicle Fatalities in the United States*

Julia Emily Noppenberger

Biology: *The Role of Peptidoglycan Hydrolase Genes in the Developmental Autolysis of Myxococcus xanthus* with a Minor in Psychology

Alikhan Ermekuly Nurkhaidarov

Chemistry: *Investigating the Delaware Bay Mystery Oil Spill* with a Minor in Health Studies

Mina Alexandra Oates

Neuroscience: *Emotion Regulation and the Late Positive Potential in the Context of Stigma and Implicit Bias* with Minors in Psychology and Data Science at Bryn Mawr College

Michael O'Connell

History: *"Cultivating their Russianness": Russian-Americans in Philadelphia, 1876–1976* Russian at Bryn Mawr College: *The Supreme Privy Council and Empress Anna Ioannovna: A Historiographic Overview from Karamzin to the Great Soviet Encyclopedia*

Emily Oh

Pure Mathematics: *Physiologically Based Pharmacokinetic Modeling and Time-Varying Parameters* with a Minor in History of Art at Bryn Mawr College

Rebecca Ann Osbaldeston

Biology: *Developing a CaMPARI 2.0 Pipeline to Identify Regulatory Neural Populations Vital to Acoustic Habituation in Zebrafish* with a Minor in Health Studies and a Concentration in Biochemistry

Santiago Ospina Duran

Psychology: *A Synthesis of Theories Exploring the Roots of Intergroup Conflict: Colombia-Venezuela as a Case Study* with a Minor in History at Bryn Mawr College and a Concentration in Latin American, Iberian, and Latinx Studies

Micah Elijah Painter

Computer Science: *Usability and Effectiveness of Technology to Facilitate Self-Regulation in Students With Disabilities*

Kimberly Jeanett Palacios

Biology: *Studying Unexpected Interactions Between Bacteriophage T4IIA and E. coli in an Experimental Evolution Model* with a Minor in Health Studies

Keon Parsa

Growth and Structure of Cities at Bryn Mawr
College: *Bicycle Policy and Infrastructure in the United States: Challenges of Governance, Fragmentation, and Culture*
with a Minor in Political Science at
Bryn Mawr College

Avi Sandeep Patel

Physics

Eleanor Ryan Patton

Psychology: *Gender Race Intermodal Perception: Can Children Assume Group Membership Using Audio Cues?*
with Minors in Educational Studies and
Mathematics

Jorge Arnaldo Paz Reyes

An Independent Major in Latin American and
Latinx Studies: *Shaping the Imaginary: Exploring the Role of Instagram in the Identity Construction of the Central American Diaspora*

Andrew Briggs Peebles

Neuroscience

Thomas Francis Pelish III

Political Science: *Cops Amidst a Crisis: An Inside Look at Rochester, New York's New Approach to Responding to Mental Health Crises*
with a Minor in Spanish

Thomas Elliott Petrie

Neuroscience

Trisha Phan

Chemistry: *Investigating Interactions Between Acyl Carrier Proteins and Ketosynthases in Type II Fatty Acid Synthases*
with a Minor in Health Studies

Maya Plimack

Growth and Structure of Cities at Bryn Mawr
College: *Envisioning a "Better Philadelphia": The Evolution of Role and Methodology of Philadelphia City Planners*

Luca Ponticello

Fine Arts: *An Exhibition of The Room*

Michael Rabayda IV

Computer Science with a Minor in Mathematics
at Bryn Mawr College

Chandini Ragobar

Computer Science: *Data-Driven Insights Into Opioid Trends Through Bayesian Analysis*

Nicolas S. Ramos-Zapata

Spanish: *De Nueva York a la "Capital Mundial de la Salsa": Procesos de Cosmopolitismo, Transnacionalismo, y Globalización de la Salsa a Cali, Colombia en el Siglo 20*

Shiza Rana Magar

Sociology at Bryn Mawr College
with a Minor in Computer Science at
Bryn Mawr College

Hassaan Farid Rao

Economics: *The Impact of Fiscal Decentralization on Voter Turnout: A Case Study of Spain*

Levi Yoder Raskin

Anthropology and Biology, both at Bryn Mawr
College: *Testing the Utility of Dental Microstructure for Middle Pleistocene Hominin Taxonomy*

John Adam Ratliff

Mathematics: *On the Classification and Representation of Coxeter Groups*
with a Minor in Religion

Justin Reed

Computer Science with Minors in Chinese
Language and Economics

Maria Teresa Reyes Pacheco

Sociology: *Political Alienation and Engagement of Latinos in North Philadelphia*
with a Concentration in Latin American, Iberian,
and Latinx Studies

Emmeline Grace Riendeau

Physics: *Open-Source FPGA Control for Nitrogen-Vacancy Quantum Sensing: Quantum Instrumentation Control Kit - Defect Arbitrary Waveform Generator (QICK-DAWG)*
with a Minor in Literatures in English at Bryn
Mawr College

Jonathan Rigberg

Pure Mathematics: *Bounding the Rank of Elliptic Curves Over $Q(I)$*
Economics at Bryn Mawr College: *The Effects of the Spread of Famine Weed on Rural Labor Markets*
with a Minor in Japanese Language

Thea Risher

Psychology: *Drawing From Therapeutic Techniques and Cognitive Understanding to Create an Anti-Racist Invention for Adolescents*
Education Studies with a Minor in Religion

Kassandra Victoria Rodriguez

Political Science: *The Oppression of Motherhood: Manipulating Motherhood as a Tool of Exploitation in Surrogacy and Nannies*
with a Minor in Psychology at Bryn Mawr College

Alex Rodriguez-Gomez

Environmental Studies: *"A River Filled With Ghosts": Geography, Memory, and Citizenship at the Massacre River*
with a Concentration in Latin American, Iberian, and Latinx Studies

Camden Parker Robinson Rogers

Psychology

Liliana Rokita

Fine Arts: An exhibition entitled *Fluidity*
Psychology: *The Effects of Early-Life Stress on the Development of Object Recognition and Associative Memory in Juvenile Rats*

Ana Victoria Romero

English: *The Impossible "Monster": The Deconstruction and Reframing of the Human and the Animal in Mary Shelley's Frankenstein*

Isabella Victoria Rose

Economics: *The Interplay Between the Minimum Wage and the Gig Economy in Metropolitan Areas*

Dylan Lloyd Rothbort

Biology: *Investigating Transcriptional Processing in Breast Cancer: The Role of the TBXA2R Isoforms*

Matthew Henry Ruiz

Chemistry: *Synthesis of DPI3tren and DPIdeen: Two Novel Guanidine-Based Ligands*
Spanish: *El cuerpo social enfermo: Medicina y autoridad en dos películas creadas después de la dictadura en Argentina*

Isabel Russak

Psychology: *"Trauma Halts Possibility; Movement Activates It": A Neuroscientific Exploration of Dance Movement Therapy and Its Treatment Potential for PTSD*
with a Minor in Neuroscience

Abigail Jane Russano

Biology: *Studying the Functionality of ATP6, a Nuclear Encoded Mitochondrial F1F0-ATP Synthase Subunit, in Chlamydomonas reinhardtii*
with a Minor in Environmental Studies

Mac Sanders

Growth and Structure of Cities at Bryn Mawr College: *Black Greenwood: Neighborhood Destruction, Master Planning, and Community Erasure in North Tulsa*

Theo Samuel Schefer

History: *"All the Singular Phenomena to Which Man Is Subject": The Wistar Museum, 1818–1905*
with a Minor in Museum Studies at Bryn Mawr College

Benjamin Charles Schiltz

History: *Mastering Politics Through Games: Alfonso X's Libro de Los Juegos*
with a Minor in Spanish

Samuel Schindel

Economics: *The Effect of Estate Taxation on Elderly Migration*
with Minors in Statistics and Mathematics at Bryn Mawr College

Emma Miller Schwartz

Anthropology: *Between Living the Future Now and the Possibility of Nightmares: Resisting Carceral Time and the Emergence of Abolitionist Temporalities Within Assata, Changó, el gran putas, and Inside/Outside Prison Organizing in Pennsylvania*
Comparative Literature with a Minor in Spanish

Aissatou Dorothy Seck

Anthropology: *Planted by the Water: Reflections on Identity, Activism, and Haverford*

Luke Sheppard

Anthropology: *Spaces of Moroccan Blues: Aesthetics and Identity-Formation in Gnawa Music*
with a Minor in Africana Studies at Bryn Mawr College

Eva Elisabeth Shin

Biology: *Whole-Brain Imaging to Identify Active Neural Populations in Decision-Making and Learning Processes of the Larval Zebrafish Acoustic Escape Response*
with Minors in Environmental Studies and Neuroscience

Oleh Noah Shostak

Economics at Bryn Mawr College

Ethan C. Sicher

Biology: *Modifying the Chloroplast Genome of Chlamydomonas reinhardtii With a Marker-Free Selection at Single Base-Pair Precision*

Joseph Alexander Silvestri

Physics: *Exploring the Effect of Induced Electric Fields on the Viscosity of Liquid Suspension*

Riley India Sobel

Political Science: *Addressing the Plight for Justice: A Comparative Evaluation of Trial Mechanisms and Their Contributions to Transitional Justice Efforts in Post-Conflict Rwanda*

with Minors in Journalism and Photojournalism (Independent) and Psychology and a Concentration in Peace, Justice, and Human Rights

Morgan Soutos

Computer Science: *Formalizing Number Theory With Coq*
with a Minor in Mathematics

Frida Spatscheck

Economics: *Does the Lilly Ledbetter Fair Pay Act Change the Gender Wage Gap in the Healthcare Sector?*
with a Minor in German and German Studies

Matthew Spencer

Economics: *An Investigation Into the Existence and Causes of the Recent Divergence Between U.S. Consumer Sentiment and Macroeconomic Conditions*
with a Minor in Statistics

Michaela Jayne Spurr

History of Art at Bryn Mawr College: *Andy Warhol: Disrupting the Simulacrum*

Indy Srijumnong

Astrophysics: *Wavelength and Sensitivity Calibration of Slitless Spectrograph on the Strawbridge Observatory 16-Inch Telescope*
with a Minor in Philosophy

Melanie Stark

Chemistry

Riley Starling

Physics: *Constructing a Model Population of Supermassive Black Hole Binaries from the Horizon Run 5 Simulation Using Holodeck*
with Minors in Astronomy and Mathematics

Nathan Stein

Economics: *A Political Economy Approach to Optimal Fiscal Policy Under the Imposition of a Debt Ceiling*
Mathematics at Bryn Mawr College

Rebecca Priscilla Stern

History: *Old Ethnicities, New Nationalisms: Polish Nationalism and Jewish Identity in Anders's Army*

Nicholas John Stewart

Economics: *The Effect of Roster Continuity on Winning Percentage in the National Basketball Association and Its Relevance to Understanding Organizational Turnover and Performance*

James Vincent Surgenor

Chemistry: *Photocatalyzed Flow Synthesis of Methylene Nitrones for Efficient Heterocycle Generation*
with Minors in Health Studies and Mathematics

Isabel Thornberry

Chemistry: *Understanding the Spatial and Temporal Dynamics of the Eastern Tropical North Pacific Oxygen Minimum Zone Using High-Resolution In-Situ Observations and a Gridded Global Data Product*
with a Minor in Environmental Studies and a Concentration in Biochemistry

Neha Thumu

Computer Science: *Procedural Content Generation for Puzzles and Mobile Augmented-Reality Controllers*
Fine Arts: *The Uncanny*

Andrew Thomas Tieso

Economics: *The Impact of Economic Downturns on Mergers and Acquisitions in the Healthcare Industry*

Annika Soranno Shiming Torng

History: *Negotiating Womanhood: Female Suicide During the Ming-Qing Transition and the May Fourth Period*
with Minors in Chinese Language and Economics

Joel Torres

Computer Science: *Facilitating Emotional Wellness Through Virtual Reality*
with a Minor in Japanese Language

Fadi Totah

Neuroscience: *A Data-Centered Approach for Integrating Physiological, Neuroimaging, and Psychological Mindfulness Measures*

Emil Karim Turdukulov

Psychology: *"They're Not Really Angry at You": The Moderating Influence of Individual Differences on Reappraisal of Negative Faces*
with a Minor in East Asian Languages and Cultures

JT Turner

Astrophysics: *How Couplings to Other Fields Affect Oscillon Formation*
with a Minor in Classical Culture and Society

William Theodore Budach Veatch

Mathematics: *Foundations in Cubical Type Theory*
with a Minor in Physics

Kevin Villafañe

Biology: *Capturing Zebrafish Neural Activity During Habituation Using CaMPARI 2.0*

Katelyn Thien Vo

Economics: *The Impact of COVID-19 on Vietnamese Bank Performance: The Role of Ownership Structure*
with a Minor in Data Science at Bryn Mawr College

Lukas Alaie Voelkner

Political Science: *Macroeconomic Framework for Understanding Societal Cycles and Inflection Points in Ideology and Public Policy*

Sophia Kathryn Wagner

Environmental Studies: *Life in the Carboniferous Coal Swamp Forests: Reconstructing the Paleocophysiology of the Extinct Horsetail Sphenophyllum*; with a capstone project entitled *Quilting Ecologies: Pennsylvania Tree Memorial Quilt Project*
Biology at Bryn Mawr College: *Xylella fastidiosa: An Emergent Plant Bacterium of Consequence*
with a Concentration in Peace, Justice, and Human Rights

Thomas James Walker

Biology: *Optimizing a Reproducible Myxococcus xanthus Spore Assay for Examination of Programmed Cell Death in a Community*
with a Minor in History at Bryn Mawr College

Alec Wallach

Physics: *Investigating Granular Materials: A Network Approach*

Jian Wei

History
Growth and Structure of Cities at Bryn Mawr College: *Between Segregated Enclave and Ethnic Suburbia: New Chinatown and Chinese American Agency in Los Angeles*

Margaret Weisblum

Psychology: *The Relationship Between ACEs, Health Outcomes and Behaviors, and Protective Factors in First-Year Undergraduate Students*
with a Minor in Health Studies

Callia Erin Weisiger-Vallas

History: *Imprinting the Celestial: Gender and Astrology in 16th-Century France*
with a Minor in History of Art at Bryn Mawr College

Wendy (Ping) Wen

Cognitive Science at Swarthmore College
with a Minor in Mathematics

Anneke S. Wernerfelt

Computer Science: *Model Feature Importance Scores Should Reflect Recourse*
with Minors in Neuroscience and Mathematics at Bryn Mawr College

Jay Livingston Whitesell

Mathematics: *Theory and Application of Principal Component Analysis*

Jason Connor Wild

Neuroscience: *Enhancing the Role of Mindfulness Interventions in Preventing and Alleviating Symptoms of Parkinson's Disease*

Summer Grace Williams

Political Science: *Beyond the Curriculum: Bureaucratic Resistance Toward Anti-LGBTQ+ Education Policy*

Lucas Winkler

History: *Haverford College Holds the Center: Navigating Issues of Free Speech and Anti-War Activism in the 1960s*

Rachael Selena Wong

Philosophy: *Iterative Breaches of Trust*

Alexandra Wood

Biology: *Optimizing for Visualization of Wolbachia in Drosophila Species*
French and Francophone Studies: *Le rôle des passions dans le bien-être et la santé selon Molière et Descartes*

Jean Bonauto Wriggins

Political Science: *From the "Pacto del Olvido" to "Nunca Más": Explaining Variation in State Responses to Forced Disappearance in Argentina, Spain, and Chile*
Spanish: *"Que no se olvide nunca que esto duele": Trauma, posmemoria y la generación intermedia en la obra de Nona Fernández*

Eugene Youji Yang

Economics: *Work Beliefs and Success: Income and Subjective Well-Being*
with Minors in East Asian Languages and Cultures and Psychology

Tianbo Yang

Computer Science: *Playing Ramsey Games Using a Q-Learning Agent*
Mathematics

Xingyun Yang

Astrophysics: *Forecasting LSST's Sensitivity on Axion Masses and Fractions*
with Minors in Comparative Literature and Mathematics

Isabella Hanul Shin Yin

English: *"Bearing Something Ordinary as Light": Anti-Disciplinary Knowledge and the Cosmology of Black Birthing in Aracelis Girmay's "The Black Maria"*
with a Minor in Psychology

Marcos Gabriel Yoc-Bautista

Chemistry: *Synthesis and Characterization of a 2H-Azirine Chemical Probe*
with a Concentration in Biochemistry

Aidan James York

Geology at Bryn Mawr College: *Creating a Database of Laramide-Era Shortening Directions From Original and Compiled Data for the Testing of Kinematic and Mechanical Models*
with a Minor in Classical Culture and Society

Daniel Zabezhinsky

Economics: *Public Health Insurance Eligibility and Labor Outcomes*
with a Minor in Biology at Bryn Mawr College

Zhongyin Zhang

Psychology: *Differential Dopamine Dynamics in the Nucleus Accumbens Core and Shell During Postpartum Estrogen Withdrawal Assessed Using Fast-Scan Cyclic Voltammetry*
with a Minor in Neuroscience

Baldwin Zhao

Biology: *Investigating Potential Cross-Activation Between Different Streptococcus pneumoniae Competence System Variants*

Logan Zurita McKinnon

English: *Colonialism and Resistance: From Frank Herbert's to Denis Villeneuve's Dune*

Completion of graduation requirements may not be confirmed by this program, as the College transcript serves as the sole official student record. Furthermore, this program only includes those thesis titles submitted by students before the print deadline.

ACADEMIC REGALIA

On ceremonial occasions, scholars wear academic gowns indicating the level of their degree and hoods indicating the field of the degree and the institution granting it. The origins of academic regalia date back to the 12th century, when gowns and hoods provided a layer of warmth in cold stone buildings. While observers may not be able to easily decipher each aspect of the regalia, they can readily appreciate the gowns, caps, and hoods as an expression of homage to more than 800 years of academic tradition.

Gowns

- At U.S. colleges and universities, the bachelor's gown is simply cut, with open, pointed sleeves.
- The master's gown is fuller, with oblong, square-cut sleeves and two horizontal bars on the sleeve.
- The doctor's gown is long, full-cut, with bell-shaped sleeves. It has velvet panels down the front and three horizontal bars on the sleeve, which are typically black, but occasionally feature the color indicating the field of learning. Some panels feature the seal of the institution. British doctoral regalia often feature an open front and no bars on the sleeves.
- The college or university president's gown is distinguished by four horizontal bars on the sleeve.
- Doctoral gowns are often black, but sometimes are a distinctive color representing the degree-granting institution, for example: Harvard's crimson; North Carolina's, Michigan's, Berkeley's, and Columbia's various shades of blue; Princeton's black and orange; Oxford's and Pennsylvania's red and blue; or Chicago's maroon.

Caps

All academic degree holders wear the mortarboard cap or the softer tam, which often feature tassels, though some universities abroad distinguish their degree holders with more unusual headgear.

Hoods

- The inner lining of the hood carries the color or colors of the institution that granted the degree, with multiple colors divided in chevrons.
- The color of the velvet border indicates the field of learning in which the degree was earned. Dark blue indicates philosophy; white, arts, letters, and humanities; golden yellow, science; scarlet, theology; purple, law; brown, fine arts and architecture; pink, music; green, medicine; copper, economics; lemon, library science; salmon, public health; light blue, education; and drab, business. Those who have attained a Doctor of Philosophy (Ph.D.) wear the dark blue of philosophy, even when their specific focus is not philosophy. For those individuals, the edging color of their hoods or the color of their gown panels may reflect the field of learning.

Haverford Examples

- President Wendy Raymond's robes are Haverford's red and black, with four bars, befitting her role as president. As her Doctor of Philosophy (Ph.D.) is from Harvard, her hood is bordered in dark blue and features Harvard's crimson in the hood liner.
- As Provost Linda Strong-Leek's Doctor of Philosophy (Ph.D.) is from Michigan State University, her robes are Spartan Green. Her gown's three bars indicate her doctoral degree; her hood's blue border represents her Ph.D., and its white satin edging signifies her field, English.

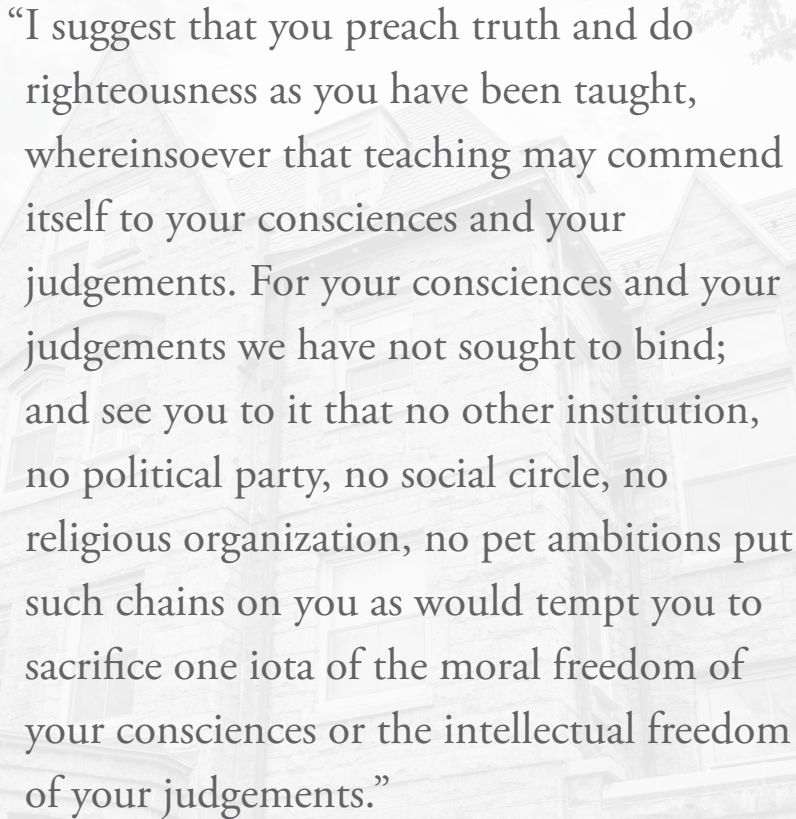
WELCOME FROM THE ALUMNI ASSOCIATION

On behalf of the almost 15,000 alumni who incorporate Haverford values into our professional, personal, and public lives, we are thrilled to welcome the members of the Class of 2024 to the alumni community! Congratulations to each of you on forging the auspicious path that has led you to this day. The Alumni Association Executive Committee (AAEC) plays a key role in building and maintaining lifelong relationships between alumni and the College, bridging generations of graduates, and providing career and coaching assistance to current students. We look forward to meeting you at upcoming alumni events and counting you all as our newest members.

—Beverly Ortega Babers '84, Esq., *President, on behalf of the AAEC*

Thank you to our Commencement Committee Student Representatives

Jacob Seiji Foster '24
Eleanor Ryan Patton '24
Stefan Johnson '25
Vy Le '25



“I suggest that you preach truth and do righteousness as you have been taught, whereinsoever that teaching may commend itself to your consciences and your judgements. For your consciences and your judgements we have not sought to bind; and see you to it that no other institution, no political party, no social circle, no religious organization, no pet ambitions put such chains on you as would tempt you to sacrifice one iota of the moral freedom of your consciences or the intellectual freedom of your judgements.”

— *President Isaac Sharpless*
Haverford College Commencement, 1888

Photo by Jessica Korgen '24

HVERFORD COLLEGE

Share the celebration! #haverford24

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