



College of Science and Technology  
Graduation Ceremony

THURSDAY, MAY 9, 2024



## PROGRAM

Thursday, May 9 | 1:30 p.m. | The Liacouras Center

**Miguel Mostafá, PhD**

Dean

### Procession\*

“Pomp and Circumstance” by Sir Edward Elgar

The New School Brass Quintet

<b>Welcome</b>	Miguel Mostafá, PhD
<b>Keynote Address</b>	Elana McDonald, MD, BA, CST '96 Delana Wardlaw, MD, BA, CST '96
<b>Student Address</b>	Taylor Forry, BS, CST '24
<b>Doctoral Hooding Presentation</b>	Bernd Sorrow, PhD, Senior Associate Dean for Research and Operations
<b>Presentation of Master Degrees</b>	Deborah L. Stull, PhD, Director, Post Baccalaureate, PSM, and Master's Program Development
<b>Presentation of Professional Science Master Degrees</b>	Deborah L. Stull, PhD
<b>Presentation of Bachelor Degrees</b>	Susan Jansen Varnum, PhD, Senior Associate Dean for Undergraduate, Affairs, Science Education and Community Engagement
<b>Conferral of Degrees</b>	Paul G. Curcillo II, MD, BA, CST '84, Temple University Board of Trustees and CST Board of Visitors
<b>Alumni Remarks</b>	Michael Remaker II, BS, CST '06, CST Alumni Board President
<b>Closing Remarks</b>	Miguel Mostafá, PhD

### Recessional\*

“Canzona per Sonare No. 2” by Giovanni Gabrieli

The New School Brass Quintet

*\* Audience members please stand, if able.*

## KEYNOTE SPEAKER

### Elana McDonald, CST '96



Elana McDonald earned a BA in biology from Temple University in 1996. She received her medical degree from Pennsylvania State University College of Medicine and completed her pediatric residency at St. Christopher's Hospital for Children in Philadelphia.

She is a board-certified pediatrician and owner and chief medical officer of three Philadelphia-based outpatient practices: Memphis Street Pediatrics, Pizzica Pediatrics and Castor Pediatrics.

McDonald's path into medicine developed from her desire to make a difference in the lives of people, especially children. Her decision to pursue medicine was solidified after participating in a summer internship program while attending Temple.

During that internship, McDonald shadowed African-American physicians of various specialties. Seeing these physicians provide quality care to patients in her beloved city helped McDonald realize that her dream to be a doctor was attainable.

In 2020, McDonald and her sister Delana Wardlaw created the Twin Sister Docs organization, which focuses on health, wellness and self-advocacy. Their mission is based on the "3Ts," trust, translate and transform. Trusted messengers providing culturally accurate medical information which translates into individuals becoming advocates in their healthcare, leading to transformational outcomes.

## KEYNOTE SPEAKER

### Delana Wardlaw, CST '96



Delana Wardlaw earned a BA in biology from Temple University in 1996. She received her medical degree from Pennsylvania State University College of Medicine and completed her residency at the former Montgomery Hospital. She is a board-certified family medicine physician practicing in Philadelphia with more than 20 years of experience.

Wardlaw's interest in medicine began after learning that her maternal grandmother passed away from breast cancer at age 53. As a physician, Wardlaw has dedicated her career to increasing access to quality health care and providing resources to address social determinants of health that negatively impact a person's medical outcomes.

Wardlaw is a member of the American Academy of Family Physicians, the Pennsylvania Academy of Family Physicians and the Pennsylvania Medical Society. In 2020, she was named the Pennsylvania Academy of Family Physicians' "Family Physician of the Year."

In 2020, Wardlaw and her sister Elana McDonald created the Twin Sister Docs organization, which focuses on health, wellness and self-advocacy. Their mission is based on the "3Ts," trust, translate and transform. Trusted messengers providing culturally accurate medical information which translates into individuals becoming advocates in their healthcare, leading to transformational outcomes.

## STUDENT SPEAKER

### Taylor Forry, CST '24



Taylor Forry is graduating with a bachelor's in neuroscience: cellular and molecular, a minor in psychology and a certificate in American Sign Language. Her research experience includes work in Sara Jane Ward's lab at the Lewis Katz School of Medicine as well as a summer research experience at the University of

Pittsburgh Medical Center's Geriatric Psychiatry Neuroimaging Lab.

At CST, Forry has been a peer fellow for the Academic Advising Office, working closely with faculty and staff to assist undergraduate students with academic planning and professional development. She was also a peer leader captain for CST's first-year seminar, helping to design and present lesson plans and interactive activities.

Forry's volunteer activities include working as an infection control audit volunteer for the Hospital of the University of Pennsylvania and a blood donor ambassador for the American Red Cross. She is currently concert master for Temple's Owlchestra and for two years was a member of the Diamond Marching Band's select ensemble.

A participant in the Temple University Honors Program and a recipient of the Mark Berger Memorial Scholarship for talented students in biology and the CST Student Advisor Award, Forry will attend the Drexel University College of Medicine in fall 2024.

## ALUMNI SPEAKER

### Michael Remaker II, CST '06



A data and financial technology executive, Michael Remaker is a leader in restructuring data systems across various industries and developing strategies to bring advanced analytics products to market.

He is currently chief technology officer (CTO) at Mural Health, a platform for managing the clinical trial experience for participants and providers. He was previously a technical advisor and fractional CTO with G2 Startup Advisors, a company that improves back-office operations such as talent acquisition and finance. He also served as a strategic advisor and senior vice president, data and engineering, at Spring EQ, a fintech company specializing in mortgages and home equity loans.

Previous leadership roles have included vice president, data architecture and strategy, at Relay Network, which builds custom news and information feeds for customers, employees and businesses.

Remaker earned his bachelor's in information science and technology and graduated *magna cum laude* in 2006. He joined the CST Alumni Board in 2018, then served as Board treasurer from 2020 to 2022. He became Board president in 2022. He has also been a mentor to several CST students through the Alumni Board's Owl to Owl Mentor Program.

## Candidates for Degrees | Doctor of Philosophy

DEGREE COMPLETED  
SUMMER 2023

**Elie Abdo**  
*Mathematics*  
On the Nonlinear Interaction of Charged Particles with Fluids  
Faculty Advisor: Mihaela Ignatova, PhD

**Alex M. Bacon**  
*Chemistry*  
Bis[hydrotris(1-pyrazolyl)borate] Complexes: Investigating Titanium(II) Metal Centers as Fuel Atoms in Energetic Materials & Iron(II)-Mediated Reactions with Solvents and Oxygen  
Faculty Advisor: Michael J. Zdilla, PhD

**Mark L. Berns**  
*Biology/Neuroscience*  
Functional Analysis of Residues on Profilin 1 that are Modulated by Wnt Signaling  
Faculty Advisor: Raymond Habas, PhD

**Golam Kayas**  
*Computer and Information Science*  
Exploring Vulnerabilities and Security Schemes of Service Oriented IoT Protocols  
Faculty Advisor: Jamie Payton, PhD

**Bijoya Mandal**  
*Chemistry*  
Understanding Aqueous/Mineral Oxide Interfaces using Ultrafast Nonlinear Vibrational Spectroscopy and Dynamics of IR Probe Molecules  
Faculty Advisor: Eric Borguet, PhD

**Francisco McGee**  
*Biology*  
Generative AI & Bioinformatics: Insights & Explorations in the Protein Sequence-Structure-Function Continuum  
Faculty Advisor: Vincenzo Carnevale, PhD

**Md Shafiqul Islam**  
*Chemistry*  
Cyclization-Based Site-Selective N-Terminal Cysteine Conjugation, Peptide Stapling and Histone Deacetylase (HDAC) Probing  
Faculty Advisor: Rongsheng Wang, PhD

**Ashleigh N. Kirker**  
*Geoscience*  
Variable Flow Paths in Urban Catchments: Hydrologic Models and Tracers of Stormwater Runoff in Suburban Philadelphia  
Faculty Advisor: Laura Toran, PhD

**Santosh Neupane**  
*Physics*  
Electronic and Optical Properties of Two-Dimensional Transition Metal Dichalcogenide Nanoribbons: Insights from Density Functional Theory and Many-Body Perturbation Methods  
Faculty Advisor: Adrienn Ruzsinszky, PhD

**Yanlong Qiu**  
*Computer and Information Science*  
Privacy and Security in mmWave Radar Sensing  
Faculty Advisor: Bo Ji, PhD

**Justin J. Steets**  
*Chemistry*  
Using Experimental and Computational Methods to Evaluate Anion Coordinating Ability and Z-Selective Isomerization of Terminal Alkenes Using Tungsten  
Faculty Advisor: Graham Dobereiner, PhD

**Timothy M. Swartz**  
*Biology*  
An Integrative Investigation of Urban Animals and the Ecosystem Services they Provide in Cities  
Faculty Advisor: Jocelyn Behm, PhD

**Cornelius J. Van Galen**  
*Chemistry*  
Applications of Electroabsorption Spectroscopy to Enzymology and Molecular Electronics  
Faculty Advisor: Robert Stanley, PhD

**Andres Vazquez-Lopez**  
*Chemistry*  
Hypervalent Iodine-Mediated Heterocyclic Group Transfer Reactions to Oxidative Olefin Difunctionalization  
Faculty Advisor: Sarah Wengryniuk, PhD

**Siyu Wu**  
*Chemistry*  
Three-Dimensional Reconstruction of the Alloying Process of Gold-Silver Nanoparticles by Small-Angle X-ray Scattering  
Faculty Advisor: Yugang Sun, PhD

**Jordan Zehr**  
*Bioinformatics*  
Patterns of Natural Selection Associated with Tropism Shifts in Animal Coronavirus Genomes  
Faculty Advisor: Sergei Pond, PhD

DEGREE COMPLETED  
FALL 2023

**Mohammad K. Alqudah**  
*Computer and Information Science*  
Learning From Multi-modal Spatiotemporal Data: Machine Learning Approaches to Advance Resilience in Smart Grids  
Faculty Advisor: Zoran Obradovic, PhD

**Melissa J. Betters**  
*Biology*  
Biodiversity and Biogeography of Deep-Sea Gastropod Mollusks from the Pacific Costa Rica Margin  
Faculty Advisor: Erik Cordes, PhD

**Shashiprabha P. Dunuweera**  
*Chemistry*  
Synthesis and Photochemistry of Ferritin Encapsulated Copper (Hydr)oxide and Ferritin-Gold Nanoparticle Bioconjugates  
Faculty Advisor: Daniel Strongin, PhD

**Jit Gupta**  
*Computer and Information Science*  
Achieving End-to-End Quality of Service (QoS) for Remote Storage and Memory Traffic in Datacenters  
Faculty Advisor: Krishna Kant, PhD

**Samuel L. Junod**  
*Biology*  
Exploring Nuclear Pore Complexes: Unraveling Structural and Functional Insights Through Super-Resolution Microscopy  
Faculty Advisor: Weidong Yang, PhD

**Uddipana Kakati**  
*Chemistry*  
Synthesis and Characterization of Iridium-Manganese Oxides for Electrocatalytic Oxygen Evolution in an Acidic Medium  
Faculty Advisor: Daniel Strongin, PhD

**Anupam Karmakar**  
*Chemistry*  
Total Syntheses Inspired Development of Metallodienamine and Metalloenamine Reactions and Reagent Design for Intramolecular H-Bonding Mediated Radical-Polar Crossover to Synthesize Gamma-Lactones  
Faculty Advisor: Daniel Kim, PhD

**Jay R. Paudel**  
*Physics*  
Investigating Interfacial Ferromagnetism in Oxide Heterostructures Using Advanced X-ray Spectroscopic and Scattering Techniques  
Faculty Advisor: Alex Gray, PhD

**Babu R. Pokhrel**  
*Physics*  
Measurements of Transverse Spin Dependent Di-pion Azimuthal Correlation Asymmetry and Unpolarized Di-pion Cross-Section in Proton-Proton Collisions at a Center-of-Mass Energy of 200 GeV at STAR  
Faculty Advisor: Bernd Surrow, PhD

**Athanasia Polychronopoulou**  
*Computer and Information Science*  
Exploring Multiplex Networks  
Faculty Advisor: Zoran Obradovic, PhD

**Sudip Sharma**  
*Biology*  
Big Data Phylogenomics: Methods and Applications  
Faculty Advisor: Sudhir Kumar, PhD

**Mark J. Walker**  
*Biology*  
Resource Competition and Soft Selection in *Sabatia Angularis*  
Faculty Advisor: Rachel Spigler, PhD

DEGREE COMPLETED  
SPRING 2024

**Ameen Abdel Hai**  
*Computer and Information Science*  
Advanced Transfer Learning in Domains with Low-Quality Temporal Data and Scarce Labels  
Faculty Advisor: Zoran Obradovic, PhD

**Christopher Absil**  
*Chemistry*  
Applications of Coordination Chemistry toward on Demand Hydrogen Production Catalysts and Safer Propellant Additives  
Faculty Advisor: Michael Zdilla

**Abdullah Aljebreen**  
*Computer and Information Science*  
Hyperlinks in the Twittersverse: Analyzing the URL Usage in Social Media Posts  
Faculty Advisor: Eduard C. Dragut, PhD

**Mohammad Balooch Qarai**  
*Chemistry*  
Elucidating the Mid-IR Spectral Signatures of Bipolarons in Doped Organic Conjugated Polymers: A Holstein-style Multiparticle Approach  
Faculty Advisor: Frank Spano, PhD

**Eli Chia-Mei Chang**  
*Biology*  
Influence of Abiotic Environmental Factors on Physiological Responses and Mixotrophy in Freshwater and Marine Chrysophytes  
Faculty Advisor: Robert W. Sanders, PhD

**Xin Chang**  
*Chemistry*  
Absorption and Emission Spectra of Donor-Acceptor-Donor Copolymers and Aggregated Chromophores: A Frenkel-Holstein Approach  
Faculty Advisor: Francis Spano, PhD

**Zhijia Chen**  
*Computer and Information Science*  
An Adaptive Crawler for User Comments on the Web  
Faculty Advisor: Eduard C. Dragut, PhD

**Paul Choi**  
*Geoscience*  
Evaluation of Land, Soil, Water, and Vegetation-related Ecosystem Services and Tradeoffs at Utility-scale Solar Photovoltaic Facilities  
Faculty Advisor: Sujith Ravi, PhD

**Konrad Dabrowski**  
*Biology*  
Reward and Drug Induced Molecular Neuroadaptations-The Role of Circular RNAs and m6A RNA Modifications  
Faculty Advisor: Stephanie Sullivan, PhD

**Abdurrahman Demirelli**  
*Mathematics*  
Stochastic Homogenization and Effective Hamiltonians of Hamilton-Jacobi Equations in One Space Dimension  
Faculty Advisor: Atilla Yilmaz, PhD

**Semir Elezovikj**  
*Computer and Information Science*  
Machine Learning Methods for Autonomous Driving: Visual Privacy, 3D Depth Perception and Trajectory Prediction Modeling  
Faculty Advisor: Chiu C. Tan, PhD

**Saman Enayati**  
*Computer and Information Science*  
Maximizing Learning Efficiency with Limited Labeled Data: Applications to Healthcare and Education  
Faculty Advisor: Slobodan Vucetic, PhD

**Navagyan Ghimire**  
*Physics*  
Precise Measurements of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in Pp Collisions at  $\sqrt{s} = 510$  GeV at STAR  
Faculty Advisor: Bernd Surrow, PhD

**Sidra Hanif**  
*Computer and Information Science*  
A Comprehensive Framework for Stroke Trajectory Recovery for Unconstrained Handwritten Documents  
Faculty Advisor: Longin Jan Latecki, PhD

**Andrew Higgins**  
*Mathematics*  
Analysis and Implementation Considerations of Krylov Subspace Methods on Modern Heterogeneous Computing Architectures  
Faculty Advisor: Daniel B. Szyld, PhD

**Nour Khoudari**  
*Mathematics*  
Microscopic to Macroscopic Scales: Traffic Waves and Sparse Control  
Faculty Advisor: Benjamin Seibold, PhD

**Jeongsu Kyeong**  
*Mathematics*  
Second and Higher Order Elliptic Boundary Value Problems in Irregular Domains in the Plane  
Faculty Advisor: Irina Mitrea, PhD

**Yujie Li**  
*Chemistry*  
A Mechanistic Study of Bacterial Efflux Pump and Inhibitors by Second Harmonic Light Scattering  
Faculty Advisor: Hai-Lung Dai, PhD

**Tim Marshall**  
*Chemistry*  
Comprehensive Markov State Models for Assessing and Improving the Accuracy of Protein Folding Simulations  
Faculty Advisor: Vincent Voelz, PhD

**Joan McDevitt**  
*Chemistry*  
 Fitness and Free Energy Landscapes of Kinase Family Proteins  
 Faculty Advisor: Ronald Levy, PhD

**Tantrik Mukerji**  
*Mathematics*  
 Applications of Gaussian Fields to the Permanent and the Matching Polynomial  
 Faculty Advisor: Wei-Shih Yang, PhD

**Alyssa Pivrotto**  
*Bioinformatics*  
 Dynamics of Natural Selection on Human Genomic Variants  
 Faculty Advisor: Jody Hey, PhD

**Robert Raddi**  
*Chemistry*  
 A Bayesian Inference/Maximum Entropy Approach for Optimization and Validation of Empirical Molecular Models  
 Faculty Advisor: Vincent Voelz, PhD

**Nadim Russel**  
*Chemistry*  
 Synthesis of a High Quantum Yield Isomorphous Adenosine Analog and its Application for the Preparation of a Dually Fluorescent Fad Analog  
 Faculty Advisor: Robert Stanley, PhD

**Hassan Shafei**  
*Computer and Information Science*  
 Testing Privacy and Security of Voice Interface Applications in the IoT Era  
 Faculty Advisor: Chiu C. Tan, PhD

**Mohammed I. Sorour**  
*Chemistry*  
 Accurate Modeling of Spectral Signatures in Excitonically Coupled Cy3 Dimers in Solution and dsDNA  
 Faculty Advisor: Spiridoula Matsika, PhD

**April Stabbins**  
*Biology*  
 Quantifying the Sphere of Influence: Ecology and Trophic Dynamics of Methane Seep Communities along the Pacific Costa Rican Margin  
 Faculty Advisor: Erik Cordes, PhD

**Sujan Babu Subedi**  
*Physics*  
 Hidden Quantum Interference and Achiral Symmetry Breaking Revealed by Nonlinear Optical Harmonic Generation Spectroscopy  
 Faculty Advisor: Darius H. Torchinsky, PhD

**Yu Wang**  
*Chemistry*  
 Ultrafast Dynamics of Polyatomic Molecules in Intense Laser Fields  
 Faculty Advisor: Robert Levis, PhD

**Steven Weaver**  
*Bioinformatics*  
 Advancing Molecular Epidemiology: Enhanced Methods and Applications in HIV-1 Transmission Network Analysis  
 Faculty Advisor: Sergei Pond, PhD

**Amanda Wilson**  
*Biology*  
 Selective Forces Shaping Duplicate Gene Evolution: Insights from Stochastic Modeling and Patterns of Retention  
 Faculty Advisor: David A. Liberles, PhD

**Yuhao Wu**  
*Chemistry*  
 Partitioning of Water-Soluble Organic Molecules at Aerosol Surface Observed with Second Harmonic Scattering  
 Faculty Advisor: Hai-Lung Dai, PhD

**Ziyu Yang**  
*Computer and Information Science*  
 Enhancing the Comprehension: Text Simplification Approaches and the Role of Large Language Models  
 Faculty Advisor: Slobodan Vucetic, PhD

**Yue Zhao**  
*Chemistry*  
 Steric-Free Bioorthogonal Profiling of Cellular Acetylation and Glycosylation Via a Fluorine-Selenol Displacement Reaction (FSeDR)  
 Faculty Advisor: Rongsheng Wang, PhD

*DEGREE COMPLETED  
 SUMMER 2024*

**Abigail Bender**  
*Chemistry*  
 Single-Molecule Imaging of DNA on Gold Nanoparticle Surfaces  
 Faculty Advisor: Katherine Willets, PhD

**Christopher Carnivale**  
*Biology*  
 Impacts of Anthropogenic Changes to Mixotrophy in Aquatic Environments  
 Faculty Advisor: Robert Sanders, PhD

**Mary Cortese**  
*Biology*  
 Range Shifts and Altered Community Interactions in the Eastern Pacific Kelp Forest Ecosystem  
 Faculty Advisor: Amy Freestone, PhD

**Somaiyeh Dadashi**  
*Chemistry*  
 Development of Multi-modal Nonlinear Spectroscopy for Interfacial Studies  
 Faculty Advisory: Eric Borguet, PhD

**Bianca Paranzino**  
*Chemistry*  
 Using Polarization-resolved Optical Microscopy for Nanoparticle Imaging  
 Faculty Advisory: Katherine Willets, PhD

*DEGREE COMPLETED  
 SUMMER 2023*

## MASTER OF SCIENCE

**Amani H. Almalki**  
 Computer Science

**Jacob Guynee**  
 Mathematics

**Adam Lang**  
 Computer Science

**Evan Madill**  
 Geology

**Janvi Nitin Bhai Patel**  
 Computer Science

**Ashley Shockley**  
 Information Science and Technology

**Dipika Subramaniam**  
 Mathematics

**Keyleigh Wallick**  
 Geology

## PROFESSIONAL SCIENCE MASTER'S

**Jun Ki Ki Jeong**  
 Bioinnovation

**Joseph Vu**  
 Bioinnovation

*DEGREE COMPLETED  
 FALL 2023*

## MASTER OF SCIENCE

**Anna R. Carlson**  
 Biology

**Akansha Chauhan**  
 Information Science and Technology

**Emily B. Fish**  
 Chemistry

**Emily Thyrum**  
 Computer Science

## COLLEGE OF SCIENCE AND TECHNOLOGY

CLASS OF 2024

## Candidates for Degrees | Graduate

**Joseph P. Trout**  
 Information Science and Technology

**Ferran Vera Filella**  
 Computational Data Science

## PROFESSIONAL SCIENCE MASTER'S

**Philip K. Appreku**  
 Cyber Defense and Information Assurance

**Marnier P. Crockton**  
 Cyber Defense and Information Assurance

**Annemarie D'Alessandro**  
 Biotechnology

**Wali Haamid**  
 Forensic Chemistry

**Knox Hall**  
 Cyber Defense and Information Assurance

**Abdullah S. Khan**  
 Cyber Defense and Information Assurance

**Yuliya Vabishchevich**  
 Bioinnovation

**Katherine Whiteman**  
 Biotechnology

**Po-Hsin Yu**  
 Biotechnology

*DEGREE COMPLETED  
 SPRING 2024*

## MASTER OF SCIENCE

**Alesha Arshad**  
 Chemistry

**Yong Suk Choi**  
 Chemistry

**Pronob Das**  
 Physics

**Brian Kibelstis**  
 Geology

**Emily Kovach**  
 Biology

**Sayantana Kundu**  
 Computer Science

**Zhuo Li**  
 Information Science and Technology

**Arlene McCann**  
 Information Science and Technology

**Rodney W. McGhee**  
 Information Science and Technology

**Mohammad Wasim Nawaj**  
 Chemistry

**MeiRose Neal**  
 Mathematics

**Richard Ninness**  
 Mathematics

**Kajal Rabari**  
 Physics

**Md Jamil Ahmed Safwan**  
 Chemistry

**Dan Sheehan**  
 Geology

**Dang Tran**  
 Information Science and Technology

**Yunqian Zou**  
 Chemistry

## PROFESSIONAL SCIENCE MASTER'S

**Philip Baldassari**  
 Bioinformatics

**Jamie Bregman**  
 Bioinformatics

**Kristen Campo**  
 Biotechnology

**Deborah Grove**  
 Biotechnology

**Rita Hartogs**  
 Biotechnology

**Mariam Hazali**  
 Cyber Defense and Information Assurance

**Hiba Kamal**  
Biotechnology

*DEGREE COMPLETED  
SUMMER 2024*

**Heng-Chia Kuo**  
Cyber Defense and Information Assurance

**MASTER OF SCIENCE**

**Melvin Lartey**  
Forensic Chemistry

**Anna Kulynych**  
Environmental Geoscience

**Benjamin Lee**  
Cyber Defense and Information Assurance

**Katherine Stevenson**  
Biology

**Ayna Mammedova**  
Bioinformatics

**PROFESSIONAL SCIENCE  
MASTER'S**

**Christopher Merlo**  
Biotechnology

**Saamia Farooki**  
Bioinformatics

**Rutvik Patel**  
Cyber Defense and Information Assurance

**Rebecca Hancock**  
Bioinnovation

**Siddhant Pathak**  
Cyber Defense and Information Assurance

**Anh Ngo**  
Biotechnology

**Brigham Rhoads**  
Bioinnovation

**Ryan Williams**  
Bioinformatics

**Devin B. Schecter**  
Biotechnology

**Suravi Ray Sumit Kumar Ray**  
Biotechnology

**COLLEGE OF SCIENCE AND TECHNOLOGY**

CLASS OF 2024

**Candidates for Degrees | Undergraduate**

*DEGREE COMPLETED  
SUMMER 2023*

**BIOLOGY**

**Sejung An**  
Bachelor of Science  
Biology

**Jamil Ayinla**  
Bachelor of Arts  
Biology

**Krishna Barot**  
Bachelor of Science  
Biology

**Skylar E. Blanchard**  
Bachelor of Science  
Biology

**Naja A. Colbert-Spencer**  
Bachelor of Science  
Biology

**Zoe M. Defalco**  
Bachelor of Science  
Biology

**Ava Dremann**  
Bachelor of Science  
Biology

**Lily Duong**  
Bachelor of Science  
Biology

**Isabel L. Harsh**  
Bachelor of Science  
Biology

**Erkinay Ismailova**  
Bachelor of Science  
Biology

**Jasmine N. Kargher**  
Bachelor of Science  
Biology  
Certificate in Genomic Medicine

**Morgan Lawlor**  
Bachelor of Science  
Biology  
Minor in History

**Cameron Z. McLean**  
Bachelor of Arts  
Biology

**Ifeoluwa F. Ogundele**  
Bachelor of Science  
Biology  
Minor in Healthcare Management

**Peace B. Olaleye**  
Bachelor of Science  
Biology

**Marissa Orlando**  
Bachelor of Arts  
Biology

**Jinsol Park**  
Bachelor of Science  
Biology

**Sayalben Patel**  
Bachelor of Science  
Biology

**Shalin Y. Patel**  
Bachelor of Arts  
Biology

**Steven Siv**  
Bachelor of Science  
Biology

**Avery E. Strucke**  
Bachelor of Science  
Biology  
Minor in Public Health

**Khadijah N. Teel**  
Bachelor of Science  
Biology

**Susan Zheng**  
Bachelor of Science  
Biology

**COMPUTER SCIENCE**

**Michael A. Bennett**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Edward J. Keegan**  
Bachelor of Science  
Computer Science

**Huifeng Liang**  
Bachelor of Science  
Computer Science

**GEOLOGY**

**Sean Becker**  
Bachelor of Science  
Geology  
Distinction in Major  
Magna Cum Laude

**Alec B. Lantz-Goldstein**  
Bachelor of Science  
Geology

**Daniel Noga**  
Bachelor of Science  
Geology

**Jennifer H. Yeago**  
Bachelor of Science  
Geology

**NATURAL SCIENCES**

**Rebecca A. Doan**  
Bachelor of Arts  
Natural Sciences

**NEUROSCIENCE: CELLULAR  
AND MOLECULAR**

**Aasha Subramanian**  
Bachelor of Science  
Neuroscience: Cellular and Molecular

*DEGREE COMPLETED  
FALL 2023*

**BIOCHEMISTRY**

**Jacob R. Aaron**  
Bachelor of Science  
Biochemistry

**Giulia L. Cox**  
Bachelor of Science  
Biochemistry

**Blessed Gbolo**  
Bachelor of Science  
Biochemistry

**Caroline M. Krulewicz**  
Bachelor of Science  
Biochemistry

**Alejandro Magana Pantoja**  
Bachelor of Science  
Biochemistry

**Eric M. Mangual**  
Bachelor of Science  
Biochemistry

**Zoe C. Tierno**  
Bachelor of Science  
Biochemistry

## BIOLOGY

**Bora Avdiaj**  
Bachelor of Science  
Biology

**Derek M. Balgobin**  
Bachelor of Science  
Biology

**Leila Bennani**  
Bachelor of Science  
Biology

**Albtool AET Bossalhah**  
Bachelor of Science  
Biology

**Maya C. Bradley**  
Bachelor of Science  
Biology

**Noah Mark Buckwalter**  
Bachelor of Science  
Biology  
Minor in Chemistry

**Victoria Byra**  
Bachelor of Science  
Biology

**Aasefah A. Cheema**  
Bachelor of Science  
Biology

**Yoonyoung Cho**  
Bachelor of Arts  
Biology

**Johanna N. Dam**  
Bachelor of Science  
Biology  
*Summa Cum Laude*  
James A. Harrison Memorial Award

**Christopher M. Declément**  
Bachelor of Science  
Biology

**Marah Eid**  
Bachelor of Science  
Biology

**Hailey R. Fox**  
Bachelor of Science  
Biology

**Christina M. Garcia**  
Bachelor of Arts  
Biology

**Maimuna Gigo**  
Bachelor of Arts  
Biology

**Guercie E. Guerrier**  
Bachelor of Arts  
Biology

**Eric Hill**  
Bachelor of Science  
Biology

**Mohammed M. Jamal**  
Bachelor of Science  
Biology

**Amin A. Kifaieh**  
Bachelor of Science  
Biology

**Kathrine Kyrylchuk**  
Bachelor of Science  
Biology  
Minor in NSRS

**Briana Irene Lawrence**  
Bachelor of Science  
Biology  
Minor in Cognitive Neuroscience

**Imani Sairah Marecheau**  
Bachelor of Science  
Biology

**Jasmine C. Marquis**  
Bachelor of Arts  
Biology

**Isabella S. Mayo**  
Bachelor of Science  
Biology  
*Cum Laude*

**Elizabeth R. McGonagle**  
Bachelor of Science  
Biology

**Mariam Mostafa**  
Bachelor of Science  
Biology

**Olivia M. Nguyen**  
Bachelor of Science  
Biology  
Minor in Psychology

**Khoi Nguyen Bui**  
Bachelor of Science  
Biology

**Victoria L. Olevsky**  
Bachelor of Science  
Biology  
*Summa Cum Laude*  
Dr. Nina W. Hillman Award

**Krishna Patel**  
Bachelor of Science  
Biology  
*Summa Cum Laude*  
Paul G. Curcillo II, MD Biology Award

**Cindy Phuong**  
Bachelor of Science  
Biology  
Minor in Healthcare Management

**Xhorxia Harilla Plaku**  
Bachelor of Science  
Biology  
Minor in Nutrition

**Samantha G. Polidori**  
Bachelor of Science  
Biology

**Tommy W. Ramos**  
Bachelor of Science  
Biology

**Vincent E. Rink**  
Bachelor of Arts  
Biology

**Magi Sefeem**  
Bachelor of Science  
Biology

**Rupali Sharma**  
Bachelor of Arts  
Biology

**Lucy Shettel**  
Bachelor of Science  
Biology  
Certificate in Fundamentals of  
Programming and Genomic Medicine

**Alan Shoykhet**  
Bachelor of Science  
Biology  
*Summa Cum Laude*  
James A. Harrison Memorial Award

**Brittani I. Sinclair**  
Bachelor of Science  
Biology

**Daniel Smith-Melul**  
Bachelor of Science  
Biology

**Maram Thaher**  
Bachelor of Science  
Biology

**Julia Ting**  
Bachelor of Science  
Biology  
Minor in Chinese  
*Summa Cum Laude*  
Charles Hodge IV Prize in Biology

**Aditi Vaid**  
Bachelor of Science  
Biology

**Janing Wu**  
Bachelor of Science  
Biology

**Sam Zahroun**  
Bachelor of Science  
Biology

## BIOLOGY WITH TEACHING

**Timothy W. Breiner**  
Bachelor of Science  
Biology with Teaching  
Minor in Healthcare Management  
*Cum Laude*  
Sol and Elise Deglin Memorial Award

**Aidan Price**  
Bachelor of Science  
Biology with Teaching

## CHEMISTRY

**Jenna C. Archer**  
Bachelor of Arts  
Chemistry  
Minor in Africology and  
African American Studies

**Giorgio M. Bellavia**  
Bachelor of Science  
Chemistry

**Spencer J. Helm**  
Bachelor of Science  
Chemistry  
Distinction in Major

**Kathleen L. Minnich**  
Bachelor of Science  
Chemistry

**Zoë Noelle Singleton**  
Bachelor of Arts  
Chemistry  
Minor in Spanish

**Christopher J. Stephen**  
Bachelor of Science  
Chemistry  
Certificate in American Chemical  
Society Certification

**Catherine Vitale**  
Bachelor of Science  
Chemistry  
Certificate in American Chemical  
Society Certification

## COMPUTER SCIENCE

**Zeshan Ahmad**  
Bachelor of Science  
Computer Science

**Ato K. Aidoo**  
Bachelor of Science  
Computer Science

**Patrick M. Brady**  
Bachelor of Science  
Computer Science  
Minor in French

**Dario G. D'Aguzzo**  
Bachelor of Science  
Computer Science

**Joshua Deland**  
Bachelor of Science  
Computer Science

**Gevork Dramgotchian**  
Bachelor of Science  
Computer Science

**Michael Ewing**  
Bachelor of Science  
Computer Science

**Tara L. Feeley**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Erika M. Garcia**  
Bachelor of Science  
Computer Science

**Gerard P. Gibbons**  
Bachelor of Science  
Computer Science

**Karl J. Gray**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Kai Guo**  
Bachelor of Science  
Computer Science

**Abir Islam**  
Bachelor of Science  
Computer Science  
Distinction in Major  
Certificate in Computer Security and  
Digital Forensics

**Ziyi Ke**  
Bachelor of Science  
Computer Science

**Leapheng Keam**  
Bachelor of Arts  
Computer Science

**Alexander V. Korsunsky**  
Bachelor of Science  
Computer Science  
Minor in Cognitive Neuroscience

**Justin T. Kuruvilla**  
Bachelor of Science  
Computer Science

**Harris Kwong**  
Bachelor of Science  
Computer Science

**Yoonjae Lee**  
Bachelor of Science  
Computer Science

**Youfei Li**  
Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Jennifer Lieu**  
Bachelor of Science  
Computer Science

**Shen Liu**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Landen J. Lloyd**  
Bachelor of Science  
Computer Science  
Second Major in Mathematics  
Distinction in Major  
*Summa Cum Laude*

**Alexander T. Mailo**  
Bachelor of Science  
Computer Science

**Domenic K. Malinsky**  
Bachelor of Science  
Computer Science

**Hy D. Nguyen**  
Bachelor of Science  
Computer Science



**Kevin H. Nguyen**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Regina Immaculate Oda**  
Bachelor of Arts  
Computer Science  
Minor in General Business Studies

**Andy L. Olshansky**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Djakaridja Ouedraogo**  
Bachelor of Science  
Computer Science

**Harsh Patel**  
Bachelor of Science  
Computer Science

**Vivek R. Patel**  
Bachelor of Science  
Computer Science

**Emma Pincus**  
Bachelor of Science  
Computer Science

**Alexander Rajasekaran**  
Bachelor of Science  
Computer Science

**Thomas J. Rau**  
Bachelor of Science  
Computer Science  
Distinction in Major  
Minor in Business  
*Magna Cum Laude*

**Alan Saji**  
Bachelor of Science  
Computer Science

**Tyler F. Schemaitat**  
Bachelor of Science  
Computer Science

**Joseph P. Shiller**  
Bachelor of Science  
Computer Science

**Christian T. Smith**  
Bachelor of Science  
Computer Science

**Nicholas S. Sowers**  
Bachelor of Science  
Computer Science

**Gabriel I. Sta Ana**  
Bachelor of Science  
Computer Science

**Sojel A. Sunny**  
Bachelor of Science  
Computer Science

**Giorgio Tatarelli**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Anya Tewari**  
Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Tony Tran**  
Bachelor of Science  
Computer Science

**Jimson Whiskeyman**  
Bachelor of Science  
Computer Science

**Michael C. Wilcox**  
Bachelor of Science  
Computer Science

**Mingjie Wu**  
Bachelor of Science  
Computer Science

**Tingxuan Xiang**  
Bachelor of Science  
Computer Science

## DATA SCIENCE

**Toshan T. Doodnauth**  
Bachelor of Science  
Data Science  
Minor in Chemistry  
Certificate in Genomic Medicine

**Anthony J. Roman**  
Bachelor of Science  
Data Science  
Second Major in Computer Science

## ECOLOGY, EVOLUTION AND BIODIVERSITY

**Brendan Patrick O'Neal**  
Bachelor of Science  
Ecology, Evolution and Biodiversity

**Benjamin Gene Silbar**  
Bachelor of Science  
Ecology, Evolution and Biodiversity

## ENVIRONMENTAL SCIENCE

**Regan Loughran Moore**  
Bachelor of Science  
Environmental Science  
Minor in Art  
Minor in Biology

**Sean D. McAllister**  
Bachelor of Science  
Environmental Science

**George Shewman**  
Bachelor of Science  
Environmental Science

## GEOLOGY

**Brianna Radke**  
Bachelor of Science  
Geology  
Distinction in Major  
*Cum Laude*  
Geology Undergraduate Award

## INFORMATION SCIENCE AND TECHNOLOGY

**Jair Anlas**  
Bachelor of Science  
Information Science and Technology

**Christian R. Berkhimer**  
Bachelor of Science  
Information Science and Technology

**Daniel Doan**  
Bachelor of Science  
Information Science and Technology

**James L. Fellers**  
Bachelor of Science  
Information Science and Technology

**Jason Huang**  
Bachelor of Science  
Information Science and Technology  
Distinction in Major

**Joshua L. Hylton**  
Bachelor of Science  
Information Science and Technology

**Faiyaz M. Islam**  
Bachelor of Science  
Information Science and Technology  
Distinction in Major  
*Cum Laude*  
Certificate in Computer Security and  
Digital Forensics

**Jisan Jung**  
Bachelor of Science  
Information Science and Technology  
Distinction in Major  
*Summa Cum Laude*

**Mtendere Kulemeka Whayo**  
Bachelor of Science  
Information Science and Technology

**Brandon C. Le**  
Bachelor of Science  
Information Science and Technology

**Roberto E. Luna**  
Bachelor of Science  
Information Science and Technology

**Lucky Ly**  
Bachelor of Science  
Information Science and Technology

**Juan A. Navarro**  
Bachelor of Science  
Information Science and Technology

**Allen Nguyen**  
Bachelor of Science  
Information Science and Technology

**Mrunalini Patil**  
Bachelor of Science  
Information Science and Technology  
Minor in Cognitive Neuroscience

**Jonathan K. Robinson**  
Bachelor of Science  
Information Science and Technology

**Spencer Schmitt**  
Bachelor of Science  
Information Science and Technology

**Daniel Swatski**  
Bachelor of Science  
Information Science and Technology  
Distinction in Major  
Certificate in Computer Security and  
Digital Forensics

**Michael Zheng**  
Bachelor of Science  
Information Science and Technology  
Distinction in Major

## MATHEMATICS

**Michael Bertolino**  
Bachelor of Science  
Mathematics

**Nathan M. Dickerson**  
Bachelor of Science  
Mathematics

**Sierra L. Michael**  
Bachelor of Arts  
Mathematics  
Minor in Spanish  
Minor in Statistical Science and  
Data Analytics

## MATHEMATICS AND COMPUTER SCIENCE

**Andrea Elizabeth Brandt**  
Bachelor of Science  
Mathematics and Computer Science  
Minor in French  
*Cum Laude*

**Sydney E. Kimbell**  
Bachelor of Science  
Mathematics and Computer Science  
*Summa Cum Laude*

**Liam Mackay**  
Bachelor of Science  
Mathematics and Computer Science

**Parth N. Patel**  
Bachelor of Science  
Mathematics and Computer Science  
*Summa Cum Laude*

## MATHEMATICS WITH TEACHING

**Gonghui Lin**  
Bachelor of Science  
Mathematics with Teaching  
Donald and Annette Baird Family Award

## NATURAL SCIENCES

**Maxwell P. Altomare**  
Bachelor of Science  
Natural Sciences

**Smarika Jayadev**  
Bachelor of Arts  
Natural Sciences

**Anna Lam**  
Bachelor of Science  
Natural Sciences

**John Lee**  
Bachelor of Science  
Natural Sciences

**Jeen Vinuel A. Martinez**  
Bachelor of Science  
Natural Sciences  
Distinction in Major

**Vinh Vo**  
Bachelor of Science  
Natural Sciences

## NEUROSCIENCE: CELLULAR AND MOLECULAR

**Brianna Kemp**  
Bachelor of Science  
Neuroscience: Cellular and Molecular

**Gibreel A. Mami**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
*Summa Cum Laude*

## PHYSICS

**Marie P. Barry**  
Bachelor of Arts  
Physics  
Minor in Spanish

**Saumitra Bhandare**  
Bachelor of Science  
Physics  
Minor in Mathematics

**Joel D. Keen**  
Bachelor of Science  
Physics  
Distinction in Major

**Ashtyn M. Miller**  
Bachelor of Arts  
Physics

*DEGREE COMPLETED  
SPRING 2024*

## APPLIED MATHEMATICS

**Daniela Gala**  
Bachelor of Science  
Applied Mathematics  
Minor in General Business Studies

**Christopher William Schenk**  
Bachelor of Science  
Applied Mathematics  
Second Major in Data Science  
Distinction in Second Major

**Chenzhen Zhong**  
Bachelor of Science  
Applied Mathematics

**BIOCHEMISTRY**

**AJ Azimov**  
Bachelor of Science  
Biochemistry  
Distinction in Major  
American Chemical Society Undergraduate  
Award in Analytical Chemistry

**Arpita Biswal**  
Bachelor of Science  
Biochemistry  
Distinction in Major

**Maxwell Cavalli**  
Bachelor of Science  
Biochemistry  
Distinction in Major

**Julie Liu Chen**  
Bachelor of Science  
Biochemistry  
Certificate in Genomic Medicine

**Rudra Dave**  
Bachelor of Science  
Biochemistry  
Minor in Clinical and Health Psychology

**Michael Angelo Macmac Dela Cruz**  
Bachelor of Science  
Biochemistry

**Monie Nikki Duong**  
Bachelor of Science  
Biochemistry  
Distinction in Major

**Anna Friedman**  
Bachelor of Science  
Biochemistry

**Sean G. Gunderson**  
Bachelor of Science  
Biochemistry

**Jordan E. Howe**  
Bachelor of Science  
Biochemistry  
Second Major in Spanish  
Distinction in Major

**Humza Yousuf Hussain**  
Bachelor of Science  
Biochemistry  
Distinction in Major  
Certificate in Genomic Medicine

**Caitlin My Hanh Thi Le**  
Bachelor of Science  
Biochemistry  
Distinction in Major  
Minor in Mathematics

**Helen Claire Lumb**  
Bachelor of Science  
Biochemistry  
Certificate in Genomic Medicine

**Tyler Stephen Markward**  
Bachelor of Science  
Biochemistry  
Distinction in Major  
Certificate in Genomic Medicine

**Jamar O. Martin**  
Bachelor of Science  
Biochemistry

**Laura Rose McDonnell**  
Bachelor of Science  
Biochemistry  
Distinction in Major  
Certificate in Fundamentals of  
Programming  
American Chemical Society Undergraduate  
Award in Biochemistry  
Chemistry Undergraduate Outstanding  
Research Award

**William M. McHale**  
Bachelor of Science  
Biochemistry  
Distinction in Major  
Minor in Lesbian, Gay, Bi and  
Transgender Studies

**Truman Thai**  
Bachelor of Science  
Biochemistry

**Rose Mason Wascher**  
Bachelor of Science  
Biochemistry  
Distinction in Major  
*Cum Laude*  
Certificate in Genomic Medicine  
Otto Kurschner Memorial Award  
Philadelphia Section of The American  
Chemical Society Award

**Kaitlyn Allison Yanik**  
Bachelor of Science  
Biochemistry

**BIOLOGY**

**Zubair Abaidullah**  
Bachelor of Science  
Biology

**Aamir Abbas**  
Bachelor of Science  
Biology  
Certificate in Genomic Medicine

**Aleena Abbasi**  
Bachelor of Science  
Biology  
*Summa Cum Laude*

**Reza Abdavies**  
Bachelor of Science  
Biology

**Ariel Alon**  
Bachelor of Science  
Biology  
*Magna Cum Laude*

**Brianna Amato**  
Bachelor of Science  
Biology  
Minor in Health Policy and Management

**Isha Amin**  
Bachelor of Science  
Biology  
*Summa Cum Laude*  
Barak Artzy Memorial Award  
Otto Kurschner Memorial Award

**Asfand Anwar**  
Bachelor of Science  
Biology

**Emily Grace Arroyo**  
Bachelor of Science  
Biology  
Genome Medicine

**Ashlei Christine Arthurton**  
Bachelor of Science  
Biology  
Minor in Psychology

**Maheen Asif**  
Bachelor of Science  
Biology

**Aryan Azime**  
Bachelor of Science  
Biology

**Sarah Bachman**  
Bachelor of Science  
Biology  
Minor in Cognitive Neuroscience  
*Magna Cum Laude*  
Certificate in American Sign Language

**Christine Bae**  
Bachelor of Arts  
Biology  
*Cum Laude*

**Taylor Bailey**  
Bachelor of Science  
Biology

**Samera Baksh**  
Bachelor of Science  
Biology

**Vinay Bandiatmakur**  
Bachelor of Science  
Biology  
*Cum Laude*

**Siani Barnes**  
Bachelor of Science  
Biology

**Ashley Benny**  
Bachelor of Science  
Biology

**Isabella Bentivogli**  
Bachelor of Science  
Biology  
Minor in French  
*Magna Cum Laude*

**Ma Valerie Valerie Berta**  
Bachelor of Science  
Biology

**Dawn Binkley**  
Bachelor of Science  
Biology  
Certificate in Genomic Medicine

**Francis Jesse Boyer**  
Bachelor of Science  
Biology

**Yasmeena Melba Briones**  
Bachelor of Science  
Biology  
Minor in Psychology

**Brian Alexander Brown Jr.**  
Bachelor of Science  
Biology

**Taylor Jayne Campbell**  
Bachelor of Science  
Biology  
Certificate in Creative Entrepreneurship

**Christina Cha**  
Bachelor of Arts  
Biology  
*Magna Cum Laude*

**Jack Mcgee Chambers**  
Bachelor of Science  
Biology

**Jordyn Chambers**  
Bachelor of Science  
Biology  
Minor in Cognitive Neuroscience

**Mosin Chaudhry**  
Bachelor of Arts  
Biology

**Mantek Singh Chauhan**  
Bachelor of Science  
Biology  
Minor in Chemistry  
Certificate in Genomic Medicine

**Jangho Choi**  
Bachelor of Science  
Biology  
*Cum Laude*

**Sarah Hiu-Lam Chung**  
Bachelor of Science  
Biology  
Minor in Biomedical Anthropology  
*Magna Cum Laude*  
Certificate in Fundamentals of  
Programming

**Thomas Coyne**  
Bachelor of Science  
Biology  
*Summa Cum Laude*  
Otto Kurschner Memorial Award

**Amanda Cranney**  
Bachelor of Science  
Biology  
Minor in Chemistry

**Nicholas Anthony Delgrande**  
Bachelor of Science  
Biology

**Raye Julianne Delos Reyes**  
Bachelor of Science  
Biology

**Cassidie Desforges**  
Bachelor of Science  
Biology

**Ashleigh Marie Divver**  
Bachelor of Science  
Biology

**Sydney Joniece Eggleston**  
Bachelor of Science  
Biology

**Adam Einwechter**  
Bachelor of Science  
Biology

**Mia Rose Engle**  
Bachelor of Science  
Biology

**Zachary Allen Fishpaw**  
Bachelor of Science  
Biology

**Lydia Fullerton**  
Bachelor of Science  
Biology

**Brianne Zarah Galette**  
Bachelor of Science  
Biology

**Amirah Aliyah Garrett**  
Bachelor of Arts  
Biology

**Laura Gayanova**  
Bachelor of Science  
Biology  
Minor in Healthcare Management  
*Cum Laude*  
College of Science and Technology Student  
Advisor Award

**Alexis Ann Gette**  
Bachelor of Science  
Biology

**Hashim Ghumman**  
Bachelor of Arts  
Biology

**Dylan P. Gianfrancesco**  
Bachelor of Science  
Biology

**Zachary Giblin**  
Bachelor of Science  
Biology

**Kelly Lynette Go**  
Bachelor of Science  
Biology

**Renee Therese Goga**  
Bachelor of Science  
Biology  
Minor in Clinical and Health Psychology  
Minor in Cognitive Neuroscience

**Melissa Haddadi**  
Bachelor of Science  
Biology

**Nala Jun Hamilton**  
Bachelor of Science  
Biology  
Distinction in Major  
Certificate in Genomic Medicine  
*Cum Laude*

**Rohan Harolihar**  
Bachelor of Science  
Biology  
Distinction in Major  
Minor in Chemistry  
*Summa Cum Laude*  
Certificate in American Sign Language  
Otto Kurschner Memorial Award

**Lucas Haskell**  
Bachelor of Science  
Biology

**Michelle Hernandez Rayo**  
Bachelor of Science  
Biology

**Emmanuel Herrera Ciprian**  
Bachelor of Science  
Biology  
Certificate in Genomic Medicine

**Shannon Nichole Hollick**  
Bachelor of Science  
Biology  
Minor in Spanish

**Maggie Hong**  
Bachelor of Science  
Biology

**Nicholas Iaquinta**  
Bachelor of Science  
Biology

**Hannah Mariam Joseph**  
Bachelor of Science  
Biology

**Priya Joshi**  
Bachelor of Science  
Biology  
*Summa Cum Laude*  
Certificate in Genomic Medicine  
Otto Kurschner Memorial Award

**Salvin Kabir**  
Bachelor of Science  
Biology

**Anuj Kamani**  
Bachelor of Science  
Biology

**Assiatu Sow Kamara**  
Bachelor of Science  
Biology  
Minor in Information Science and  
Technology

**Jia-Yi Kang**  
Bachelor of Science  
Biology

**Molly Bridget Kennelly**  
Bachelor of Science  
Biology  
Minor in Public Health

**Myrna Khalouf**  
Bachelor of Science  
Biology  
*Summa Cum Laude*

**Inaya Saba Khan**  
Bachelor of Arts  
Biology  
*Cum Laude*

**Majid Khorchid**  
Bachelor of Science  
Biology

**Pooja Lal**  
Bachelor of Science  
Biology

**Jake Lang**  
Bachelor of Science  
Biology

**Violet James Lange**  
Bachelor of Science  
Biology  
Second Major in Spanish

**Terry Thanh Trang Le**  
Bachelor of Science  
Biology

**Max Gardner Lewis**  
Bachelor of Science  
Biology

**Nicolle Jacqueline Lomazoff**  
Bachelor of Science  
Biology  
Minor in Psychology

**Esmeralda Lua**  
Bachelor of Science  
Biology

**Helen Luong**  
Bachelor of Science  
Biology

**Nidhi Makkithaya**  
Bachelor of Science  
Biology  
*Magna Cum Laude*  
Certificate in American Sign Language  
College of Science and Technology Student  
Advisor Award

**Kazi Afifa Maknun**  
Bachelor of Science  
Biology

**John Charles Mallon**  
Bachelor of Science  
Biology  
Minor in Chemistry  
*Magna Cum Laude*

**Nishi Mandapati**  
Bachelor of Science  
Biology  
Minor in Sociology of Health

**Steffin Manoj**  
Bachelor of Science  
Biology

**Parker Elliott Marshall**  
Bachelor of Science  
Biology  
Minor in Public Health

**Daniel James Masceri**  
Bachelor of Science  
Biology

**Celien Mazahreh**  
Bachelor of Science  
Biology

**Alexandra Y. McCarthy**  
Bachelor of Science  
Biology

**Jalen James McDonald**  
Bachelor of Science  
Biology

**Melinda Rae Meehan**  
Bachelor of Science  
Biology  
Minor in Classical Languages Literature

**Kelly Ann Meinert**  
Bachelor of Science  
Biology  
Distinction in Major  
Minor in Cognitive Neuroscience  
Minor in French

**Ifeyinwa Modozie**  
Bachelor of Science  
Biology

**Maha Nishaat Moghal**  
Bachelor of Science  
Biology  
Minor in Chemistry  
*Magna Cum Laude*

**Nicole Elizabeth Murphy**  
Bachelor of Science  
Biology

**Madison Patricia Mychayliw**  
Bachelor of Science  
Biology  
Minor in Criminal Justice

**Shruthi Rajesh Natarajan**  
Bachelor of Science  
Biology  
Minor in Legal Studies

**Sirriana Jeanine Neba**  
Bachelor of Science  
Biology

**Jessica Nguyen**  
Bachelor of Science  
Biology

**Mercedes Quynh Mai Nguyen**  
Bachelor of Science  
Biology  
Minor in Mathematics

**Stephanie Nicasio**  
Bachelor of Science  
Biology

**Mahadi Mohammad Nuhash**  
Bachelor of Science  
Biology

**Madeleine O'Connor**  
Bachelor of Science  
Biology

**Monique Abigail Oakley**  
Bachelor of Science  
Biology

**Elton Obed**  
Bachelor of Science  
Biology

**Abigeal Olatunji**  
Bachelor of Science  
Biology

**Moti Amazing Orederu**  
Bachelor of Science  
Biology

**Isabella Orion**  
Bachelor of Science  
Biology

**Irene A. Padolina**  
Bachelor of Science  
Biology

**Mahera Parmar**  
Bachelor of Science  
Biology  
Minor in Chemistry

**Parthiv Patel**  
Bachelor of Arts  
Biology

**Pooja Patel**  
Bachelor of Arts  
Biology

**Siya Patel**  
Bachelor of Arts  
Biology  
*Cum Laude*

**Aaryan Kiran Patel**  
Bachelor of Science  
Biology  
Certificate in Genome Medicine

**Akshar Rajesh Patel**  
Bachelor of Science  
Biology  
Minor in Public Health  
*Cum Laude*

**Dhara Patel**  
Bachelor of Science  
Biology  
*Cum Laude*

**Gayatri Patel**  
Bachelor of Science  
Biology  
Minor in Cognitive Neuroscience

**Hardi N. Patel**  
Bachelor of Science  
Biology  
Minor in Healthcare Management

**Riddhi C. Patel**  
Bachelor of Science  
Biology

**Smit Nilesh Patel**  
Bachelor of Science  
Biology

**Vinay Samir Patel**  
Bachelor of Science  
Biology  
*Cum Laude*

**Kiera J. Patton**  
Bachelor of Science  
Biology

**Janely Michell Paulino**  
Bachelor of Arts  
Biology  
Minor in Chemistry

**Marian Peña**  
Bachelor of Science  
Biology

**Christina Anne Pierce**  
Bachelor of Science  
Biology

**Sraavya Pinjala**  
Bachelor of Science  
Biology  
*Cum Laude*  
Certificate in Genomic Medicine

**Caitlin Rose Ponert**  
Bachelor of Science  
Biology

**Vishnupriya Pothukuchi**  
Bachelor of Science  
Biology  
Minor in Chemistry

**Alex James Potter**  
Bachelor of Science  
Biology  
Minor in Chemistry  
Certificate in Genome Medicine

**Visha Puwar**  
Bachelor of Science  
Biology  
Certificate in Genomic Medicine

**Ridwana Rahman**  
Bachelor of Science  
Biology  
*Cum Laude*  
Certificate in Genome Medicine

**Rashad L. Reid Jr.**  
Bachelor of Science  
Biology  
Minor in Chemistry  
Certificate in Genomic Medicine

**Peri Rebecca Rose**  
Bachelor of Science  
Biology

**Jesse Russotto**  
Bachelor of Science  
Biology  
Certificate in Entrepreneurship and  
Innovation Management

**Vrundaben Satasiya**  
Bachelor of Science  
Biology  
Distinction in Major

**Luke Sauers**  
Bachelor of Science  
Biology  
Minor in Healthcare Management

**Abdul Wahab Alhusine Savage**  
Bachelor of Science  
Biology

**Benjamin Vinh Sawicki**  
Bachelor of Science  
Biology  
Minor in Health Information Management  
Minor in Computer Science  
*Cum Laude*

**Anna Elizabeth Schmidt**  
Bachelor of Science  
Biology

**Caroline Kannon Seely**

Bachelor of Science  
Biology

**Helly Shah**

Bachelor of Science  
Biology  
Minor in Cognitive Neuroscience

**Johara Mazen Shamaa**

Bachelor of Science  
Biology  
Certificate in Genomic Medicine

**Girija Sharma**

Bachelor of Science  
Biology

**Nikki Shimao**

Bachelor of Arts  
Biology

**Zaed Siddiqui**

Bachelor of Science  
Biology

**Aleksandra Simon**

Bachelor of Science  
Biology

**Madison Marlene Sloan**

Bachelor of Science  
Biology

**Douglas Jonathan Smith**

Bachelor of Science  
Biology

**Joshua Zhi-Hao Spradau**

Bachelor of Science  
Biology  
*Summa Cum Laude*  
Otto Kurschner Memorial Award

**Kylie Stabler**

Bachelor of Science  
Biology  
Minor in Neuroscience Research

**Kyrstin Mary Staudinger**

Bachelor of Science  
Biology

**Victoria Grace Stouter**

Bachelor of Science  
Biology

**Sneha Suthakar**

Bachelor of Science  
Biology  
Minor in Nutrition  
Minor in Healthcare Management

**Maansi Suvarna**

Bachelor of Science  
Biology  
Second Major in Philosophy  
Certificate in Ethics

**Taegen Swanson**

Bachelor of Science  
Biology

**Elaina Macy Symes**

Bachelor of Science  
Biology  
Minor in Public Health

**Anita Daniela Szoke**

Bachelor of Science  
Biology

**Ruthshelby Veronica Taylor**

Bachelor of Science  
Biology

**Rachana Thang**

Bachelor of Science  
Biology  
Minor in Chemistry

**Joachim Daniel Thomas**

Bachelor of Science  
Biology  
*Cum Laude*

**Rhea Merin Thomas**

Bachelor of Science  
Biology

**Alex Louise Thomer**

Bachelor of Science  
Biology  
Minor in Nutrition  
Certificate in Fundamentals of  
Programming

**Mukund Tirunahari**

Bachelor of Science  
Biology

**Ryan Gabriel Todd**

Bachelor of Science  
Biology  
Minor in Philosophy

**Elizabeth Thutrinh Tran**

Bachelor of Science  
Biology

**Valerie Tran**

Bachelor of Science  
Biology

**Christabel A. Tufuor**

Bachelor of Arts  
Biology

**Musanatu Y. Turay**

Bachelor of Science  
Biology

**Elizabeth Ann Urbanowicz**

Bachelor of Science  
Biology

**Kristina Valerie Vartanov**

Bachelor of Science  
Biology

**Julianna H. Visico**

Bachelor of Science  
Biology

**Eesha Waseem**

Bachelor of Science  
Biology  
Minor in Chemistry

**Morsal Wedee**

Bachelor of Science  
Biology

**Jacob Rudolph Augustus Williams**

Bachelor of Science  
Biology

**Samuel Yang**

Bachelor of Arts  
Biology

**Emily Yang**

Bachelor of Science  
Biology

**Nabila Yasmin**

Bachelor of Science  
Biology

**BIOLOGY WITH TEACHING****Ariel Naomi Michelle Hayes**

Bachelor of Science  
Biology with Teaching

**Keri Ann Kern**

Bachelor of Science  
Biology with Teaching  
Certificate in Geographic  
Information Systems

**Xhoi Sofroni**

Bachelor of Science  
Biology with Teaching  
Distinction in Major

**BIOPHYSICS****Peter David Wolfgang Hanes**

Bachelor of Science  
Biophysics  
Distinction in Major  
Minor in Mathematics  
Murray Green Memorial Prize in Physics

**Fatma Betul Seker**

Bachelor of Science  
Biophysics  
Distinction in Major  
Minor in Biology

**CHEMISTRY****Campbell A. Bache**

Bachelor of Science  
Chemistry  
Distinction in Major  
Certificate in American Chemical  
Society Certification  
Chemistry Undergraduate Outstanding  
Research Award

**Carson Andrew Baker**

Bachelor of Science  
Chemistry  
Distinction in Major  
Minor in Mathematics  
Certificate in American Chemical  
Society Certification  
American Chemical Society Undergraduate  
Award in Physical Chemistry

**Zachary Nicholas Christidhis**

Bachelor of Science  
Chemistry  
Distinction in Major  
Certificate in American Chemical  
Society Certification  
American Chemical Society Undergraduate  
Award in Organic Chemistry

**Melissa Maria Danao**

Bachelor of Science  
Chemistry

**Ryan Eastburn**

Bachelor of Science  
Chemistry

**Eileen J. Fisher**

Bachelor of Science  
Chemistry  
Distinction in Major  
Minor in Nutrition  
Certificate in American Chemical  
Society Certification  
Chemistry Undergraduate Service Award

**Anthony J. Haskins**

Bachelor of Science  
Chemistry  
Distinction in Major  
*Magna Cum Laude*  
Certificate in American Chemical  
Society Certification  
Helen Leshock Molnar and Jeffrey G.  
Molnar (CST '76) Award  
Philadelphia Section of The American  
Chemical Society Award

**Kai R. Jacketti**

Bachelor of Science  
Chemistry  
Distinction in Major  
Certificate in American Chemical  
Society Certification

**Edward Jang**

Bachelor of Arts  
Chemistry  
Minor in Spanish

**Phat H. Lieu**

Bachelor of Science  
Chemistry  
Distinction in Major  
Minor in Biology  
Certificate in American Chemical  
Society Certification

**Logan John Meyers**

Bachelor of Science  
Chemistry  
Distinction in Major  
Minor in Criminal Justice  
Certificate in American Chemical  
Society Certification  
American Chemical Society Undergraduate  
Award in Inorganic Chemistry

**Juliana Elise Moore**

Bachelor of Science  
Chemistry

**Sabrina K. Murodova**

Bachelor of Science  
Chemistry  
Certificate in American Chemical  
Society Certification

**Lauren Towers**

Bachelor of Science  
Chemistry  
Certificate in American Chemical  
Society Certification

**Emily Sofia Vergara-Pimentel**

Bachelor of Science  
Chemistry  
Distinction in Major  
Certificate in American Chemical  
Society Certification  
American Institute of Chemists Award

**Marcelina Paulina Weglarz**

Bachelor of Science  
Chemistry  
Certificate in American Chemical  
Society Certification

**COMPUTER SCIENCE****Allen Abraham**

Bachelor of Science  
Computer Science  
Distinction in Major

**Jonathan Altenburg**

Bachelor of Science  
Computer Science

**Niaz Al-Rahman Shazad Baharudeen**

Bachelor of Science  
Computer Science

**Kianna Barbarisi**

Bachelor of Science  
Computer Science  
Minor in Criminal Justice  
Certificate in Computer Security and  
Digital Forensics

**Brian Barnefiher**

Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Elijah Bigham**

Bachelor of Science  
Computer Science  
Distinction in Major  
Minor in Philosophy  
*Magna Cum Laude*

**Timothy A. Bui**

Bachelor of Science  
Computer Science  
Distinction in Major

**Quynh Cao**

Bachelor of Science  
Computer Science

**Par Odam Chea**

Bachelor of Science  
Computer Science

**Jason Chen**

Bachelor of Science  
Computer Science

**Wenjie Chen**

Bachelor of Science  
Computer Science  
Distinction in Major

**Neil Conley**  
Bachelor of Science  
Computer Science  
Distinction in Major  
*Cum Laude*  
Computer and Information Sciences  
Department Award for Outstanding  
Undergraduate Course Assistant

**Brandon Cuevas**  
Bachelor of Science  
Computer Science

**Sarina Nicole Curtis**  
Bachelor of Science  
Computer Science

**Michael John Dantuono Jr.**  
Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Carla Jane D. Delima**  
Bachelor of Science  
Computer Science

**Barry Doan**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Evan James Dorsey**  
Bachelor of Arts  
Computer Science

**Christopher Angelo Douglas**  
Bachelor of Science  
Computer Science

**Rishi Duggal**  
Bachelor of Science  
Computer Science  
Distinction in Major  
*Magna Cum Laude*

**Shawn Michael Dutil**  
Bachelor of Science  
Computer Science

**Daniel Eap**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Ali Eskandary**  
Bachelor of Science  
Computer Science

**Sam Gandolfo-Lucia**  
Bachelor of Science  
Computer Science  
Distinction in Major  
Minor in French  
*Cum Laude*

**Wenjie Gao**  
Bachelor of Science  
Computer Science  
Distinction in Major  
*Magna Cum Laude*  
Certificate in Computer Security and  
Digital Forensics

**Prince Geutler**  
Bachelor of Science  
Computer Science

**Tyler Thomas Grenell**  
Bachelor of Science  
Computer Science

**Tu Ha**  
Bachelor of Science  
Computer Science  
Distinction in Major  
Certificate in Computer Security and  
Digital Forensics

**Jason Thomas Hankins**  
Bachelor of Science  
Computer Science  
Minor in Digital Media Technologies-CST  
Certificate in Computer Security and  
Digital Forensics

**Margaret Rose Hanley**  
Bachelor of Science  
Computer Science  
Second Major in Criminal Justice  
Distinction in Major  
*Magna Cum Laude*

**Matthew J. Harootunian**  
Bachelor of Science  
Computer Science

**Tyler Lane Howard**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Xianjun Hu**  
Bachelor of Science  
Computer Science  
Distinction in Major  
Certificate in Computer Security and  
Digital Forensics

**Jeswin Abraham James**  
Bachelor of Science  
Computer Science

**Jimmy Jiang**  
Bachelor of Science  
Computer Science

**Jeffin Johnykutty**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Ashley S. Jones**  
Bachelor of Science  
Computer Science  
Minor in Mathematics

**Andrew Kahn**  
Bachelor of Arts  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Yang Li**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Angelo Vino Lim**  
Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Ryan Matthew Lind**  
Bachelor of Science  
Computer Science

**Jayming Liu**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Charles Thomas Lyde Jr.**  
Bachelor of Science  
Computer Science

**Giavonna Maio**  
Bachelor of Science  
Computer Science  
Distinction in Major  
Certificate in Computer Security and  
Digital Forensics

**Begayim Makenova**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Mustafa Malik**  
Bachelor of Science  
Computer Science  
Distinction in Major  
*Cum Laude*

**Luigi Paolo Mazzocchi III**  
Bachelor of Science  
Computer Science  
Minor in Spanish

**Nathan McCourt**  
Bachelor of Science  
Computer Science

**Alexander Michael McGinn**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Aiden Patrick McGonagle**  
Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Marcel Ruben Millan**  
Bachelor of Arts  
Computer Science

**Mohammed D. Mohammed**  
Bachelor of Science  
Computer Science

**Casey James Monroe**  
Bachelor of Science  
Computer Science

**Alexander D. Moyer**  
Bachelor of Science  
Computer Science

**Scott OHara**  
Bachelor of Science  
Computer Science

**Oladapo Emmanuel Oladele**  
Bachelor of Science  
Computer Science  
Minor in Mathematics

**Darshil Patel**  
Bachelor of Science  
Computer Science  
Certificate in Management  
Information Systems

**Matthew John Perkins**  
Bachelor of Science  
Computer Science

**Eddy Anthony Pike Jr.**  
Bachelor of Science  
Computer Science  
Distinction in Major  
*Cum Laude*

**Adam Ra**  
Bachelor of Science  
Computer Science

**Arafat Rahaman**  
Bachelor of Science  
Computer Science  
Distinction in Major  
*Magna Cum Laude*

**Devin Rankin**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Bryan William Reiter**  
Bachelor of Science  
Computer Science

**Main Uddin Rifat**  
Bachelor of Science  
Computer Science

**Erin Colleen Ross**  
Bachelor of Science  
Computer Science  
Distinction in Major  
Minor in Mathematics  
*Summa Cum Laude*  
Computer and Information Sciences  
Student Leadership Award

**Joshua Sean Libre Sabio**  
Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Erin Santosa**  
Bachelor of Science  
Computer Science  
Minor in Psychology  
Certificate in Computer Security and  
Digital Forensics

**Aidan John Scharnikow**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Ali Shahid**  
Bachelor of Science  
Computer Science

**Gregory George Shakarjian**  
Bachelor of Science  
Computer Science

**Dillon Young Shi**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Jacob Snarr**  
Bachelor of Science  
Computer Science  
Certificate in Computer Security and  
Digital Forensics

**Jonathan Stanczak**  
Bachelor of Science  
Computer Science

**Rachel Nhu To**  
Bachelor of Arts  
Computer Science

**Andrew To**  
Bachelor of Science  
Computer Science

**Cynthia Vi To**  
Bachelor of Science  
Computer Science

**Alyssa F. Townsend**  
Bachelor of Science  
Computer Science  
Minor in Chinese

**Andrew T. Tran**  
Bachelor of Science  
Computer Science

**Son Tran**  
Bachelor of Science  
Computer Science  
Distinction in Major  
*Summa Cum Laude*

**Alan Jose Uthuppan**  
Bachelor of Science  
Computer Science  
Second Major in Data Science  
Minor in Economics

**Valeriya Vardanyan**  
Bachelor of Science  
Computer Science

**Zaina Walker-Bey**  
Bachelor of Science  
Computer Science

**Mustafa Wedee**  
Bachelor of Science  
Computer Science

**Kevin W. Wijaya**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Geonhee Yu**  
Bachelor of Science  
Computer Science

**Brandon Zheng**  
Bachelor of Science  
Computer Science  
Distinction in Major

**Jiajun Zhou**  
Bachelor of Science  
Computer Science

**Yuxuan Zhu**  
Bachelor of Science  
Computer Science

## COMPUTER SCIENCE AND PHYSICS

**Theodore Porter Glenn**  
Bachelor of Science  
Computer Science and Physics

**DATA SCIENCE****Samuel David Berman**

Bachelor of Science  
Data Science

**Anthony M. Bockarie Jr.**

Bachelor of Science  
Data Science

**Colby Eigen**

Bachelor of Science  
Data Science  
Distinction in Major

**Kathryn Gallo**

Bachelor of Science  
Data Science

**Jefferson Van Le**

Bachelor of Science  
Data Science

**Malvin Prifti**

Bachelor of Science  
Data Science  
Minor in Mathematics

**EARTH AND SPACE SCIENCE  
WITH TEACHING****Olivia Cole**

Bachelor of Science  
Earth and Space Science with Teaching

**ECOLOGY, EVOLUTION  
AND BIODIVERSITY****Sydney Elizabeth Pekala**

Bachelor of Science  
Ecology, Evolution and Biodiversity

**Emily Spencer**

Bachelor of Science  
Ecology, Evolution and Biodiversity  
Minor in Philosophy  
Charles Hodge IV Prize in Biology

**ENVIRONMENTAL SCIENCE****Hunter Barbieri**

Bachelor of Science  
Environmental Science

**Katherine Zaradic Bragdon**

Bachelor of Science  
Environmental Science

**Anna L. Coomans**

Bachelor of Science  
Environmental Science

**Will Ellinger**

Bachelor of Science  
Environmental Science  
Distinction in Major  
Environmental Science  
Undergraduate Award

**Emma Rose Holtzman**

Bachelor of Science  
Environmental Science

**Christopher Kelly**

Bachelor of Science  
Environmental Science

**Shira Novkov-Bloom**

Bachelor of Science  
Environmental Science  
Second Major in Visual Studies  
Distinction in Major  
Environmental Science  
Undergraduate Award

**Tanvi Raman**

Bachelor of Science  
Environmental Science  
Distinction in Major  
Minor in Mathematics  
*Summa Cum Laude*  
Otto Kurschner Memorial Award

**Emma Rutkowski**

Bachelor of Science  
Environmental Science

**Benny Towner**

Bachelor of Science  
Environmental Science

**Leah Marie Vene**

Bachelor of Science  
Environmental Science

**GENERAL SCIENCE  
WITH TEACHING****Kelsey Loretta Caladie**

Bachelor of Science  
General Science with Teaching

**Jesse Robert Marshall**

Bachelor of Science  
General Science with Teaching  
Distinction in Major

**Isaac Benjamin Pointer Jr.**

Bachelor of Science  
General Science with Teaching

**GENOMIC MEDICINE****Kailey Shanti Abraham**

Bachelor of Science  
Genomic Medicine  
Distinction in Major  
*Cum Laude*

**Juah Chae**

Bachelor of Science  
Genomic Medicine  
Distinction in Major

**Nathan Duda**

Bachelor of Science  
Genomic Medicine  
Distinction in Major  
Minor in Information Science  
and Technology  
Charles Hodge IV Prize in Biology

**Raneem Ibrahim AbdelBari Durra**

Bachelor of Science  
Genomic Medicine  
Distinction in Major

**Myrna Kassem**

Bachelor of Science  
Genomic Medicine  
Distinction in Major

**Rana Seoudi**

Bachelor of Science  
Genomic Medicine  
Distinction in Major  
Minor in Clinical and Health Psychology

**Audrey Elizabeth Strauss**

Bachelor of Science  
Genomic Medicine  
Distinction in Major

**Saykon Younnoh Toee**

Bachelor of Science  
Genomic Medicine

**Megha Ann Varghese**

Bachelor of Science  
Genomic Medicine  
Certificate in Music Technology

**Anastasia Yankovskiy**

Bachelor of Science  
Genomic Medicine

**GEOLOGY****Evelyn Ankudovich**

Bachelor of Arts  
Geology

**Bryce Emmanuel Hampton**

Bachelor of Arts  
Geology

**Madeline Kade Harris**

Bachelor of Science  
Geology  
Distinction in Major  
*Summa Cum Laude*  
Helen Leshock Molnar and Jeffrey G.  
Molnar (CST '76) Award

**Armin Hedayatfar**

Bachelor of Science  
Geology

**Dustin Kelly Johnson-Bey**

Bachelor of Science  
Geology

**Mohamed Soma**

Bachelor of Science  
Geology  
Distinction in Major

**INFORMATION SCIENCE  
AND TECHNOLOGY****Nabaa Abdulhussein**

Bachelor of Science  
Information Science and Technology

**Kristin Deborah Agwale**

Bachelor of Science  
Information Science and Technology

**Idrees A. Alao**

Bachelor of Arts  
Information Science and Technology

**Atiq Choudhury**

Bachelor of Science  
Information Science and Technology

**Mostafa Elasmr**

Bachelor of Science  
Information Science and Technology

**Nadir Elmrani**

Bachelor of Science  
Information Science and Technology

**Efejohn Erdem**

Bachelor of Science  
Information Science and Technology

**Anthony John Febbraro**

Bachelor of Science  
Information Science and Technology  
*Cum Laude*

**Jelly Galapo**

Bachelor of Science  
Information Science and Technology  
Distinction in Major  
*Summa Cum Laude*  
Certificate in Film  
Computer and Information Sciences  
Department Award for  
Outstanding Achievement  
Computer and Information Sciences  
Department Award for Outstanding  
Undergraduate Course Assistant

**Raphael Vlad Gelshteyn**

Bachelor of Science  
Information Science and Technology  
Certificate in Computer Security and  
Digital Forensics

**Amir Hassan Gibbs-Sapp**

Bachelor of Science  
Information Science and Technology

**Marquicha Green**

Bachelor of Science  
Information Science and Technology

**Metehan Gurgen**

Bachelor of Science  
Information Science and Technology  
Distinction in Major

**Hassan I. Hemet**

Bachelor of Science  
Information Science and Technology  
Certificate in Computer Security and  
Digital Forensics

**Nathan Holt**

Bachelor of Science  
Information Science and Technology

**Andrew Thomas Lieberman**

Bachelor of Science  
Information Science and Technology

**Jianhua Liu**

Bachelor of Science  
Information Science and Technology  
Distinction in Major

**Jaina Lukose**

Bachelor of Science  
Information Science and Technology  
Distinction in Major

**Nathan Matthews**

Bachelor of Science  
Information Science and Technology

**Joseph Ires Michel**

Bachelor of Science  
Information Science and Technology

**Jenny Ni**

Bachelor of Science  
Information Science and Technology  
Distinction in Major  
*Magna Cum Laude*

**Khushi A. Patel**

Bachelor of Science  
Information Science and Technology  
Distinction in Major  
*Summa Cum Laude*

**Kyrschienne Miguel Reyna**

Bachelor of Science  
Information Science and Technology  
Distinction in Major

**Daniel C. Rice**

Bachelor of Science  
Information Science and Technology

**Bret David Rivera**

Bachelor of Science  
Information Science and Technology  
Distinction in Major  
Certificate in Computer Security and  
Digital Forensics  
LT. Nathan D. Lane, Arts '31, Senior  
Memorial Prize in Science

**Natalie Ronin**

Bachelor of Science  
Information Science and Technology  
Minor in History

**Dylan Schultz**

Bachelor of Science  
Information Science and Technology

**Wesley E. Shaw**

Bachelor of Science  
Information Science and Technology

**Ruben Sidhu**

Bachelor of Science  
Information Science and Technology

**Hunter M. Stephano**

Bachelor of Science  
Information Science and Technology

**Steven Ton**

Bachelor of Science  
Information Science and Technology

**Ryan Christopher Ulsh**

Bachelor of Science  
Information Science and Technology

**Michael S. Woods**

Bachelor of Science  
Information Science and Technology

**MATHEMATICAL ECONOMICS**

**Haoyang Guo**  
Bachelor of Arts  
Mathematical Economics

**Joshua D. Irvin**  
Bachelor of Arts  
Mathematical Economics

**Vineetha Mummadi**  
Bachelor of Arts  
Mathematical Economics  
Minor in Computer Science

**MATHEMATICS**

**Samara Carlough**  
Bachelor of Science  
Mathematics

**Gianna Centrella**  
Bachelor of Arts  
Mathematics

**Julia Elizabeth DiNolti**  
Bachelor of Science  
Mathematics  
Minor in Philosophy

**Christopher Edward Heitmann**  
Bachelor of Science  
Mathematics  
Distinction in Major  
Minor in Music  
*Summa Cum Laude*  
Natan Luehrmann-Cowen Memorial Award  
Phyllis Zayon Steinberg Memorial  
Award in Mathematics

**Shan Jiang**  
Bachelor of Arts  
Mathematics

**Aisling Meenagh**  
Bachelor of Arts  
Mathematics

**Ryan Hunter Moylan**  
Bachelor of Arts  
Mathematics  
Minor in Physics

**Tierney Ann Porfirio**  
Bachelor of Arts  
Mathematics  
Cum Laude

**Liam Purcell**  
Bachelor of Arts  
Mathematics

**Van Tran**  
Bachelor of Arts  
Mathematics  
Minor in Information Science  
and Technology

**Antonio Vinagre**  
Bachelor of Science  
Mathematics  
Distinction in Major  
Phyllis Zayon Steinberg Memorial Award  
in Mathematics

**Kyle Andrew Voron**  
Bachelor of Science  
Mathematics

**MATHEMATICS AND  
COMPUTER SCIENCE**

**Hadassah Galapo**  
Bachelor of Science  
Mathematics and Computer Science  
*Summa Cum Laude*  
Certificate in Music Technology  
Computer and Information Sciences  
Department Award for  
Outstanding Achievement  
Natan Luehrmann-Cowen Memorial Award

**Theron Halsey**  
Bachelor of Science  
Mathematics and Computer Science  
Minor in Philosophy

**Nathaniel David Hedrick**  
Bachelor of Science  
Mathematics and Computer Science

**Anubhav K. Kundu**  
Bachelor of Science  
Mathematics and Computer Science  
Certificate in Data Science:  
Computational Analytics

**Daniel Mogil**  
Bachelor of Science  
Mathematics and Computer Science

**MATHEMATICS WITH TEACHING**

**Rodelf Gamal Azer**  
Bachelor of Science  
Mathematics with Teaching

**Seanna Monroe**  
Bachelor of Science  
Mathematics with Teaching

**Penelope E. Shuster**  
Bachelor of Science  
Mathematics with Teaching

**NATURAL SCIENCES**

**Ronneisha Bell**  
Bachelor of Science  
Natural Sciences

**Ashlie Clermont**  
Bachelor of Science  
Natural Sciences

**Nicole Marie Colon-Zorrilla**  
Bachelor of Arts  
Natural Sciences  
Minor in Philosophy

**Kyra E. Cort**  
Bachelor of Science  
Natural Sciences

**Daniel Cullen**  
Bachelor of Science  
Natural Sciences

**Siraj Din**  
Bachelor of Arts  
Natural Sciences

**Charron Faunteroy**  
Bachelor of Science  
Natural Sciences

**Mariah Giordano-Briggs**  
Bachelor of Science  
Natural Sciences

**Alexander Hoang**  
Bachelor of Science  
Natural Sciences

**Progress Iluobe**  
Bachelor of Science  
Natural Sciences

**Jessica Azele Kolora**  
Bachelor of Science  
Natural Sciences

**Jonathan Maldonado**  
Bachelor of Arts  
Natural Sciences

**Thomas John Marshall**  
Bachelor of Science  
Natural Sciences  
Distinction in Major

**Bryanna Jeanae Maxwell-Greer**  
Bachelor of Science  
Natural Sciences

**Jacob D. Morra**  
Bachelor of Science  
Natural Sciences  
Minor in Cognitive Neuroscience

**Xaria S. Morrison**  
Bachelor of Science  
Natural Sciences

**Salina Akter Mousume**  
Bachelor of Science  
Natural Sciences

**Jamie Kenechi Okoli**  
Bachelor of Science  
Natural Sciences

**Kaylee Lynn Phan**  
Bachelor of Arts  
Natural Sciences

**Lauren Severe**  
Bachelor of Science  
Natural Sciences

**Nhi Tuyet Van**  
Bachelor of Science  
Natural Sciences

**Bahar Mohadesah Zarabi**  
Bachelor of Science  
Natural Sciences

**NEUROSCIENCE:  
CELLULAR AND MOLECULAR**

**Samhitha Balaji**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in Computer Science  
*Magna Cum Laude*  
Charles Hodge IV Prize in Biology

**Bhargav Bulusu**  
Bachelor of Science  
Neuroscience: Cellular and Molecular

**Nikki O. Dietz**  
Bachelor of Science  
Neuroscience: Cellular and Molecular

**Taylor Elizabeth Forry**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in Psychology  
*Cum Laude*  
Certificate in American Sign Language  
College of Science and Technology Student  
Advisor Award

**Esther Edet Ikpeme**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in Psychology  
Minor in Cognitive Neuroscience  
Charles Hodge IV Prize in Biology

**Gabriella Caitlyn Mercado**  
Bachelor of Science  
Neuroscience: Cellular and Molecular

**Ganesh Muruganandam**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in Clinical and Health Psychology  
*Summa Cum Laude*  
Otto Kurschner Memorial Award

**Abhimaneu Pandey**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Minor in Statistics + Data Science  
Minor in Economics

**Leon Passarelli-Roberts**  
Bachelor of Science  
Neuroscience: Cellular and Molecular

**Dominyka Petraskaite**  
Bachelor of Science  
Neuroscience: Cellular and Molecular

**Aditi Singh**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Certificate in Art

**Alexandra M. Szmackinski**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in Sociology of Health  
*Summa Cum Laude*  
Charles Hodge IV Prize in Biology

**Dhruv Vajipayajula**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in Chemistry  
*Summa Cum Laude*  
Certificate in Linguistics

**Madison Katlyn Wolf**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in German Language and  
Cultural Studies  
Minor in Mathematics

**Kuralai Zholdosh kyzy**  
Bachelor of Science  
Neuroscience: Cellular and Molecular  
Distinction in Major  
Minor in Computer Science

**PHARMACEUTICAL SCIENCES**

**Aisha Alkilani**  
Bachelor of Science  
Pharmaceutical Sciences

**Ny'Zha DaNae Anthony**  
Bachelor of Science  
Pharmaceutical Sciences

**Christina Apostolopoulos**  
Bachelor of Science  
Pharmaceutical Sciences

**Michelle Renee Brown**  
Bachelor of Science  
Pharmaceutical Sciences

**Meiyong Cheang**  
Bachelor of Science  
Pharmaceutical Sciences

**Abigail Rose Chicchi**  
Bachelor of Science  
Pharmaceutical Sciences

**Anderson Huynh**  
Bachelor of Science  
Pharmaceutical Sciences

**Mariam Ibrahim**  
Bachelor of Science  
Pharmaceutical Sciences

**Yasmine Khalaf Ismael**  
Bachelor of Science  
Pharmaceutical Sciences

**Dimiana Kolta**  
Bachelor of Science  
Pharmaceutical Sciences

**Julianne Nhung Le**  
Bachelor of Science  
Pharmaceutical Sciences

**Berjeta Makar**  
Bachelor of Science  
Pharmaceutical Sciences

**Evangelia Michos**  
Bachelor of Science  
Pharmaceutical Sciences

**Jennifer Ngoc Nguyen**  
Bachelor of Science  
Pharmaceutical Sciences

**Sophia Pham**  
Bachelor of Science  
Pharmaceutical Sciences  
*Magna Cum Laude*

**Bryanna Joyce Phung**  
Bachelor of Science  
Pharmaceutical Sciences

**Shaima A. Rahim**  
Bachelor of Science  
Pharmaceutical Sciences

**Shiney Mary Rajan**  
Bachelor of Science  
Pharmaceutical Sciences

**Andrew Stephen Rudenko**  
Bachelor of Science  
Pharmaceutical Sciences

**Lorrin Molly Surmick**  
Bachelor of Science  
Pharmaceutical Sciences

**Nadia Voravolya**  
Bachelor of Science  
Pharmaceutical Sciences

**Eleni Katherine Zografakis**  
Bachelor of Science  
Pharmaceutical Sciences

## PHYSICS

**Jeremy Tyler Bray**  
Bachelor of Science  
Physics

**Jacob Shin**  
Bachelor of Science  
Physics  
Minor in Computer Science  
Minor in Mathematics  
*Cum Laude*  
Otto Kurschner Memorial Award

## PHYSICS WITH TEACHING

**Donovan Thomas Martí**  
Bachelor of Science  
Physics with Teaching  
Alexander Von Humboldt Science  
Education Award

*DEGREE COMPLETED  
SUMMER 2024*

## BIOCHEMISTRY

**Karli Yenal**  
Bachelor of Science  
Biochemistry  
Minor in Spanish

## BIOLOGY

**Nylah Curtis**  
Bachelor of Science  
Biology

**Cal Harper**  
Bachelor of Science  
Biology

**Selina Huang**  
Bachelor of Science  
Biology

**Heba Hussein**  
Bachelor of Science  
Biology

**Nicole Karry**  
Bachelor of Science  
Biology

**Mercy O. Olatunji**  
Bachelor of Science  
Biology

**Paige C. Perez**  
Bachelor of Arts  
Biology

**Allen Resnick**  
Bachelor of Arts  
Biology

**Anyah Alexis Wright**  
Bachelor of Science  
Biology

**Darren Zeng**  
Bachelor of Science  
Biology

## COMPUTER SCIENCE

**Brian A. Gunsel**  
Bachelor of Science  
Computer Science

**Kevin Xavier Jarema**  
Bachelor of Science  
Computer Science

**Juan Kenichi Sutan**  
Bachelor of Science  
Computer Science

## INFORMATION SCIENCE AND TECHNOLOGY

**Kevin V. To**  
Bachelor of Science  
Information Science and Technology

*DEGREE COMPLETED  
FALL 2024*

## BIOCHEMISTRY

**Adam Kadi**  
Bachelor of Science  
Biochemistry

## BIOLOGY

**Ashelynn Colbert-Rowe**  
Bachelor of Science  
Biology

**Paige Feeney**  
Bachelor of Science  
Biology

**Berenice Rivas**  
Bachelor of Science  
Biology

## COMPUTER SCIENCE

**Wander Cerda-Torres**  
Bachelor of Science  
Computer Science

**Matthew Christofas**  
Bachelor of Science  
Computer Science

**Fariha Jahin**  
Bachelor of Arts  
Computer Science

**Oscar Levin**  
Bachelor of Science  
Computer Science

**Barry Lin**  
Bachelor of Science  
Computer science

**Jasmine Liu**  
Bachelor of Science  
Computer Science  
Minor in Art

**Vincent Lukban**  
Bachelor of Science  
Computer Science

**Jae M. Lutz**  
Bachelor of Science  
Computer Science

**Bruce Craig McCulloch**  
Bachelor of Science  
Computer Science

**Kenny Miller**  
Bachelor of Science  
Computer Science

**Kevina Nakalunda**  
Bachelor of Science  
Computer Science

**Dhruvil J. Patel**  
Bachelor of Science  
Computer Science

**Maklisa Prifti**  
Bachelor of Science  
Computer Science

## DATA SCIENCE

**Mary Le**  
Bachelor of Science  
Data Science with Computational Analytics  
Minor in Statistical Science and  
Data Analytics

## EARTH AND SPACE SCIENCE WITH TEACHING

**Sela N. McEvoy**  
Bachelor of Science  
Earth and Space Science with Teaching

## GENOMIC MEDICINE

**Madelyn Shenoy**  
Bachelor of Science  
Genomic Medicine with Pre-Medicine

## GEOLOGY

**Emma Halpin**  
Bachelor of Science  
Geology

## INFORMATION AND SCIENCE TECHNOLOGY

**Shawn Abraham**  
Bachelor of Science  
Information Science and Technology

**Nailah N. Brogdon**  
Bachelor of Arts  
Information Science and Technology

**Carlos Chavez**  
Bachelor of Science  
Information Science and Technology

**Trevor I Chesson**  
Bachelor of Science  
Information Science and Technology

**Jessica Classen**  
Bachelor of Science  
Information Science and Technology

**Ousmane Diall**  
Bachelor of Arts  
Information and Science Technology

**Minu Patel**  
Bachelor of Science  
Information Science & Technology

**Neel Patel**  
Bachelor of Science  
Information Science and Technology

## MATHEMATICS WITH TEACHING

**Courtney Allen**  
Bachelor of Science  
Mathematics with Teaching

*Please note: This program was printed  
before final certification of graduation.  
Therefore, this listing is tentative only.  
This is a souvenir program. Any errors  
or omissions are inadvertent, and the  
College of Science and Technology cannot  
be held responsible. The transcript is the  
official record.*



## Collegial Awards

**ALEXANDER VON HUMBOLDT SCIENCE EDUCATION AWARD**

This award is given to a CST TTeach student who has inspired others to learn science. The award is made in honor of Alexander von Humboldt, (1769–1859) who created the way we understand nature today. He developed the idea that nature was a web of life and described Earth as a living organism. An intrepid explorer and the most famous scientist of his age, lifelong friend Thomas Jefferson called him “the most scientific man of his age.”

Donovan Marté

**AMERICAN CHEMICAL SOCIETY UNDERGRADUATE AWARD IN ANALYTICAL CHEMISTRY**

Awarded to an outstanding student who has displayed an interest in and aptitude for analytical chemistry.

Akhmadjon (AJ) Azimov

**AMERICAN CHEMICAL SOCIETY UNDERGRADUATE AWARD IN BIOCHEMISTRY**

Awarded to an outstanding student who has displayed an interest and aptitude for biochemistry.

Laura McDonnell

**AMERICAN CHEMICAL SOCIETY UNDERGRADUATE AWARD IN INORGANIC CHEMISTRY**

Awarded to an outstanding student who has displayed an interest and aptitude for inorganic chemistry.

Logan Meyers

**AMERICAN CHEMICAL SOCIETY UNDERGRADUATE AWARD IN ORGANIC CHEMISTRY**

Awarded to an outstanding student who has displayed an interest and aptitude for organic chemistry.

Zach Christidhis

**AMERICAN CHEMICAL SOCIETY UNDERGRADUATE AWARD IN PHYSICAL CHEMISTRY**

Awarded to an outstanding student who has displayed an interest in and aptitude for physical chemistry.

Carson Baker

**AMERICAN INSTITUTE OF CHEMISTS AWARD**

Awarded to an outstanding senior majoring in chemistry, chemical engineering, or biochemistry. This award is given based on demonstration of leadership, ability, character, scholastic achievement, and potential for advancement of the chemical professions.

Emily Vargara-Pimentel

**BARAK ARTZY MEMORIAL AWARD**

Established in 1976 by Helene H. Stolker, in memory of Barak Artzy, the award is presented to a member of the graduating class who has been an outstanding student in biochemistry, biology, or chemistry in the pre-medical program.

Isha Amin

**CHARLES HODGE IV PRIZE IN BIOLOGY**

Established Dr. Ruth Patrick in memory of her husband, Dr. Charles Hodge IV, a member of the Department of Biology, this prize is awarded to a graduating senior in the Biology Department who has been distinguished in the areas of research and scholarly achievements.

Samhitha Balaji

Emily Spencer

Nathan Duda

Ola Szmackinski

Esther Edet Ikpeme

Julia Ting

**CHEMISTRY UNDERGRADUATE OUTSTANDING RESEARCH AWARD**

This award is given to a graduating chemistry or biochemistry student who has demonstrated an aptitude in research. This will normally be demonstrated by one or more publications. The recipient of this award will often have a research experience that is not within one of the ACS disciplines (analytical, biochemical, inorganic, organic or physical). They will have a strong recommendation for the award from the faculty member teaching the research class.

Campbell Bache

Laura McDonnell

**CHEMISTRY UNDERGRADUATE SERVICE AWARD**

Awarded to an undergraduate who has made a significant contribution to the Chemistry Department.

Eileen Fisher

**COLLEGE OF SCIENCE AND TECHNOLOGY STUDENT ADVISOR AWARD**

This prize is awarded to a student advisor who has demonstrated an outstanding record of scholastic achievement and service to students.

Laura Gayanova

Taylor Forry

Nidhi Makkithaya

**COMPUTER AND INFORMATION SCIENCES DEPARTMENT AWARD FOR OUTSTANDING ACHIEVEMENT**

Awarded to the member of the graduating class who is concentrating in CIS with the highest overall grade point average.

Hadassah Galapo

Jelly Galapo

**COMPUTER AND INFORMATION SCIENCES DEPARTMENT AWARD FOR OUTSTANDING UNDERGRADUATE COURSE ASSISTANT**

Awarded to a CIS course assistant for excellence in teaching.

Neil Conley

Jelly Galapo

**COMPUTER AND INFORMATION SCIENCES DEPARTMENT STUDENT LEADERSHIP AWARD**

Awarded to an undergraduate who has made a significant contribution to the CIS Department.

Erin Ross

**DONALD AND ANNETTE BAIRD FAMILY AWARD**

Established in 2012 by Dr. Douglas Baird, to provide awards to academically excellent junior or senior students in the TTeach program who have a commitment and an ability to teach, a demonstrated dedication to community service and strong moral character.

Gonghui Lin

**DR. NINA W. HILLMAN AWARD**

Named for a former CST professor and administrator, this award will be presented each year to a graduating senior in genetics or development biology for outstanding academic and research work. This award will reward Temple students who are filled with ambition and drive.

Victoria Olevsky

**ENVIRONMENTAL SCIENCE UNDERGRADUATE AWARD**

The award goes to an outstanding senior earning a BS in Environmental Science who has a high GPA and active participation in environmental activities and/or research.

Will Ellinger

Shira R. Novkov-Bloom

**GEOLOGY UNDERGRADUATE AWARD**

The award goes to an outstanding senior with a BS in geology who has a high GPA and active participation in geology activities and/or research.

Brianna Radke

**HELEN LESHOCK MOLNAR AND JEFFREY G. MOLNAR (CST '76) AWARD**

Established in 2008 by Jessie L. Smith to provide an award to an outstanding graduating senior who majored in either chemistry or geology.

Madeline Harris

Anthony Haskins

**JAMES A. HARRISON MEMORIAL AWARD**

Established in 1975 in memory of Dr. Harrison, a member of the Department of Biology faculty for 35 years, the award is presented to an outstanding senior biology major on the basis of scholarship, research accomplishment and extra-curricular activities in the department.

Johanna Dam

Alan L. Shoykhet

**LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (AMP) AWARD FOR ACADEMIC ACHIEVEMENT**

Awarded to a student who has demonstrated academic excellence within the Alliance for Minority Participation program.

Ariel Alon

Antonio Vinagre

Emily Vergara-Pimental

Zaina Walker-Bey

**LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (AMP) AWARD FOR RESEARCH**

Awarded to a student who has demonstrated research excellence within the Alliance for Minority Participation program.

Emily Arroyo

Tyler Markward

Jessica Kolora

Madison Wolf

**LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (AMP) AWARD FOR SERVICE**

Awarded to a student who has demonstrated excellence in service to Temple University and surrounding community within the AMP program.

Ariel Hayes

Seanna Monroe

Isaac Pointer

**LT. NATHAN D. LANE, ARTS '31, SENIOR MEMORIAL PRIZE IN SCIENCE**

This award is named in honor of a Temple University alumnus who died while serving in the Navy in WWII.

Bret Rivera

**MURRAY GREEN MEMORIAL PRIZE IN PHYSICS**

Established in 1995 by Murray Green, CST '57, the prize is awarded to an outstanding graduating student majoring in physics.

Peter Hanes

**NATAN LUEHRMANN-COWEN MEMORIAL AWARD**

Established in 2010 to provide an award to an outstanding junior or senior in the College of Science and Technology who demonstrates academic excellence.

Hadassah Galapo

Christopher E. Heitmann

**OTTO KURSCHNER MEMORIAL AWARD**

Awarded in memory of Otto Kurschner, A.B. 1914, Temple University, to a member of the graduating class concentrating in biology, biochemistry, geology, or physics who has attained the highest scholastic average.

Isha Amin

Tanvi Raman

Thomas Coyne

Jacob Shin

Rohan Harolikar

Joshua Spradau

Priya Joshi

Rose M. Wascher

Ganesh Muruganandam

**PAUL G. CURCILLO II, MD BIOLOGY AWARD**

Established in 2008 by Paul G. Curcillo II, MD, CST '84, to provide annual awards to seniors majoring in biology with demonstrated excellent academic performance.

Krishna Patel

**PHILADELPHIA SECTION OF THE AMERICAN CHEMICAL SOCIETY AWARD**

Awarded to the member of the graduating class, concentrating in chemistry, whose work in that field has been outstanding.

Anthony Haskins

Rose M. Wascher

**PHYLLIS ZAYON STEINBERG MEMORIAL AWARD IN MATHEMATICS**

Established in memory of Phyllis Zayon Steinberg, gifted mathematician, former student and member of the mathematics department, the award is presented to a member of the graduating class who has demonstrated superior achievements in the math program and has promise in the field of mathematics.

Christopher E. Heitmann

Antonio Vinagre

**SOL AND ELISE DEGLIN MEMORIAL AWARD**

Established in 1977 by Beatrice Deglin Leder, EDU '42, and others in honor of her brother, Sol Deglin, EDU '38, the award is presented to outstanding graduating biology students who are interested in teaching careers.

Timothy W. Breiner

**GRADUATING CST PEER ADVISORS**

The CST Peer Team members understand college and university policies, offer advice to help students achieve their goals, assist with student-related programs and projects and serve as a point of contact as students arrive at the Center for Academic Advising and Professional Development. At graduation, Peer Advisors wear a red stole with Temple logo.

Reza Abdavies

Manny Herrerra

Brianna Amato

Nathan Holt

Swetha Binu

Gonghui Lin

Kaavya Desai

Nidhi Makkithaya

Taylor Forry

Nathan McCourt

Laura Gayanova

Johara Shamaa

Matt Harootunian

Sneha Suthakar

**CONGRATULATIONS TO ALL GRADUATES AND THEIR FAMILIES AND FRIENDS.****GRADUATION PHOTOS**

A photographer from Legacy Photographics is at the ceremony today. Each graduate is photographed as they cross the stage. Legacy Photographics, Inc. will contact each graduate after the ceremony with information on how to purchase photos. If you have any questions, please contact Legacy at 1-800-447-2550 or 610-279-1791 or visit their website [www.legacyphoto.com](http://www.legacyphoto.com)

**ACKNOWLEDGEMENTS**

Special thanks to the College of Science and Technology's Office of the Dean, Center for Academic Advising and Professional Development and CST academic departments for organizing this event.

**MISSION STATEMENT**

CST's mission is to inspire, mentor and empower the next generation of scientists through transformative experiences in the classroom, the lab and around the world. In a welcoming and engaging learning environment, the college strives to meet the evolving needs of students by offering innovative academic programs, career development services and research opportunities aimed at broadening access, enhancing academic achievement and fostering life-long success.

