



Spring 2019 Convocation

May 9, 2019

ASU Gammage Auditorium

Message from the Dean

Welcome to Arizona State University and the nation's first and most highly regarded School of Sustainability – leading the way to a sustainable future since its inception in 2006. I am proud to join you on this momentous occasion.

Convocation is a ceremony quite literally robed in medieval traditions, and the garments worn today signal to the world that these individuals have achieved the honor of becoming graduates.

We are gathered to celebrate their achievements – the product of much careful thinking and problem solving, personal growth and hard work.

Our students and graduates are addressing some of the most critical challenges of our time, and the knowledge and solutions they create today will shape the quality of life for future generations – including their own. They are thinking in new ways about natural and social environments, about equity within societies and between generations, about the differing norms and aspirations of people, and about what is realistically achievable in a world undergoing rapid change.

The candidates we honor join their predecessors in a long and ever-growing line of distinguished sustainability graduates. They will be welcomed by an expansive network of people committed to putting sustainability into action – together, they will change the world for the better.

I look forward to seeing where our graduates go next and know it will be an exciting and fulfilling journey.



To the graduates, please accept my warmest wishes and deepest congratulations on this very special day. Remember to thank everyone who helped you achieve this dream. Most of all, be proud of yourself for reaching this remarkable milestone.

A handwritten signature in black ink that reads "Chris Boone". The signature is written in a cursive, flowing style.

Christopher Boone
Dean of the School of Sustainability

About the School of Sustainability

The School of Sustainability educates a new generation of scholars and practitioners. It creates innovative modes of scholarship by bringing together leaders and stakeholders from multiple disciplines to develop effective solutions to the most pressing sustainability challenges.

The School offers both undergraduate and graduate programs leading to degrees in sustainability. Students can earn a Bachelor of Arts, Bachelor of Science, Master of Arts, Master of Science, Master of Sustainability Solutions, Master of Sustainability Leadership, Executive Master of Sustainability Leadership, or a Doctor of Philosophy. We focus on collaborative learning, innovative approaches and problem-oriented training to address sustainability challenges relating to energy and materials, water, ecosystems, urbanization, international development, social transformations, climate change and food systems. For more information, visit schoolofsustainability.asu.edu.

The School is part of the Julie Ann Wrigley Global Institute of Sustainability, which is the hub of ASU's sustainability initiatives. The Institute advances research, education and business practices for an urbanizing world. For more information, visit sustainability.asu.edu.



Order of Events

PROCESSIONAL

Master of Ceremonies

Jeffrey Jennings, MSTP

*President, Alumni Board, School of Sustainability
Sustainability Project Coordinator, Arizona Public Service (APS)*

Welcome

Christopher G. Boone, PhD

*Dean and Professor, School of Sustainability
Professor, School of Human Evolution and Social Change
Senior Sustainability Scientist, Julie Ann Wrigley Global Institute
of Sustainability*

Student Speakers

Graduate, Matthew Waldman, MSUS

Undergraduate, Emily Powell, BA

Introduction of Doctoral and Master's Degree Candidates

Readers

J. Marty Anderies, PhD

*Professor and Graduate Director, School of Sustainability
Professor, School of Human Evolution and Social Change*

Sonja Klinsky, PhD

Assistant Professor, School of Sustainability

Introduction of Bachelor's Degree Candidates

Readers

Candice Carr Kelman, PhD

*Assistant Director, School of Sustainability
Affiliate Faculty, School of Sustainability*

Shirley-Ann Augustin-Behravesh

*Lecturer, School of Sustainability
Senior Sustainability Scientist, Julie Ann Wrigley Global Institute
of Sustainability*

RECESSIONAL

Closed captioning provided by Alternative Communication Services (ACS)

Convocation photography by Grad Images

*View commencement videos, order convocation photos and connect with
fellow alumni at http://links.asu.edu/SOS_Alumni*

Candidates for Doctoral Degrees

Doctor of Philosophy

Jacob Bethem

Reinventing Energy Ethics

Leah Gibbons

Regenerative Community Development—A Framework for Co-Creating Thriving Living Systems

Cyrus Hester

Diagnosing the “Silent Epidemic”: A Historical Ecology of Metal Pollution in the Sonoran Desert

Mukunth Natarajan

Food, a Global Product: Enhanced FEW Nexus Approach

Jason Papenfuss

Inside-Out Pedagogies: Transformative Innovations for Environmental and Sustainability Education

Sechindra Vallury

Institutions for Provision of Shared Irrigation Infrastructure: Insights from South India

Nicholas Weller

Practicing Democracy: Participatory Technology Assessment for Sustainability Challenges

Candidates for Master’s Degrees

Executive Master of Sustainability Leadership

William Baker

Bill in Wonderland: My Journey Down the Rabbit Hole

Jonathan Burgess

Columbus Sustainability Network

Maria Coca

Stormwater in the Desert, Empowering the Next Generation of Water Stewards

Joy Crane

Enhancing Construction Supplier Sustainability

Vanessa Cruz

Celebrate Sustainability

Candidates for Master's Degrees continued

Shawn Dickey

Sustainability Integration

Christopher Fenwick

Supplier Carbon Transparency

Victoria Gilchrist

Artificial Intelligence for Good

Anthony Gomes

Tree Planting Cost Share Program for DW Drums

Mark Hansen

FLI Right – Transforming Plastic Trash into Treasure

Paul Keppler

Green Veterans: Empowering Milwaukee's Success

Shawnee Lavy

*Applying Sustainable Solutions in a Traditional Business Setting:
Linking What We Do Today with How We Affect the World Tomorrow*

Danielle Leoni

Sustainable Seafood: A Chef's Collaborative

Benjamin Paulat

Sustainability Consulting, A Pathway to A Sustainable Future

Ginger Pratt

Mental Health Services for Refugee Teens – A New Model

Ashley Quay

Positively Impactful

Robin Schiro

Nothing But Net and Net Gain

Corey Strawhun

Garden Pool: An Action Plan, Designing the Future

Luis Tachiquin

Celebrate Sustainability

Ralph Thompson

Quest to Eradicate Underemployment

Master of Arts in Sustainability

Brian Grant

What's Really Growing in the Garden? Students' Perspectives on Garden-Based Learning

Jessica Ortiz

Social Contracts, Resilience, and Adaptive Capacity: A Case Study of Post-Hurricane Maria Puerto Rico

Madison West

Institutional Environmental Violence and the Exclusion of Environmental Justice in Sustainability Discourse

Master of Science in Sustainability

Mary Fastiggi

Institutionalizing Urban Resilience: Coordination Strategies within North American City Governments

Veronica Horvath

Sustainability Principles and the Future of Phoenix, Arizona: Framing the Salt River's Urban Waterway Redevelopment

Jaime Leah Jones

Understanding the Food-Energy-Water Nexus in Cape Town's 2018 Water Crisis

Ashley Mack

A Business Accelerator Model for Advancing Sustainability Transformations

Natalie Mallue

Small Water Enterprises, Security, and Sustainability: A Case Study in Accra, Ghana

Maximiliano Romo Marin

Blockchain: An Assessment of its Potential and Challenges in Addressing Sustainability Issues

Christopher Sanchez

Designing and Implementing Ecological Monitoring of Aridland Urban Ecological Infrastructure (UEI): A Case Study of Design Process and Outcomes

Ian Thompson

An Institutional Analysis of Glacial Floods and Disaster Risk Management in the Nepal Himalaya

Candidates for Master's Degrees continued

Svenja Wagner

Effects of Water Holding Capacity and Precipitation on Above Ground Net Primary Production

Master of Sustainability Leadership

Jordon Blackford

Sustainability for Student Organizations

Victoria Carrasco

Combating Food Waste One Classroom at a Time

Kathleen Collins

People Over Petro: The Fight Against the Ohio River Valley Petrochemical Hub

Anthony Contento

A Legacy of Junk: The Evolution of Contento Recycling

Zachary Evilsizer

Operation Pineapple Sustainability

Erin Hampton

Environmental Education & Civic Engagement: Bridging the Generation Gap to Make Agriculture Sustainable

Samuel Holdren

How to Set Up a Sustainable Tourism Business in a Developing Country

Gordean Kakalia

Embedding Indigenous Knowledge with Sustainability through Higher Education Curriculum

Christopher Mutshnick

Sustainability NOW

John Serrano

Advancing Sustainability in the Vinyl Industry

Liana Skibbie

Sustainability Within Starbucks

Sophia Vitale

Sustainable Sense Consulting Project

Master of Sustainability Solutions

Kaylin Ayotte

Mindiac: Mindfulness for the Sustainability Professional

Isabel Burdge

Mindiac: Mindfulness for the Sustainability Professional

Aric Burks

*An Alternative Perception of Transoceanic Submarine Cables:
An Assessment of Impacts and Dependencies*

Tyler Chandler

Restaurant Sustainability Program - Thirsty Lion (Scottsdale)

Madison Doyle

ReEnvision Waste at SRP

Shelbie Draper

Defining Sustainable Scenarios of Development in San Martin, Peru

David Faught

Driving Sustainable Behavior in the Office at Arizona State

Lexie Fields-Austin

Engaging with Food Recovery at Devour Culinary Classic

Heidi Hanlon

Increasing Healthy Communities in Phoenix

Anna Harmon

*Stakeholder Engagement for Integrating Natural and Working Lands
into U.S. Climate Alliance Member Efforts*

Spencer King

*Hurricane Resilient Food, Water, and Energy Center for
Preparedness and Food Security*

Kayla Kutter

ASU Electric Vehicle Program

Mackenzie McGuffie

Five Year Sustainability at Valley Metro

Caitlin Paulus

*Exploring Opportunities for Woody Biomass Utilization in
Coconino County*

Candidates for Master's Degrees continued

Kellie Rorex

The Bee Business: Determining the Practicality of Marketing Almond Honey for Bee Farmers that Participate in Almond Pollination

Alessandra Stoffo

Eat Well, Live Well: ASU's First Large Event to Celebrate Plant-Based Diets and Sustainability

Jason Tibbetts

An Adaptive Protocol for Assisting in the Development of Sustainable Community Food Systems

Tari Wager

Sustainability Consultation Report: Shepley Bulfinch Architecture

Matthew Waldman

Cultivating Strategic Partnerships in Garden-Based Learning

Ashley Weisman

Business Sustainability by Leveraging the Phoenix Green Business Leader Program

Shantel Wyke

HERO Academy: A Sustainability-Entrepreneurial Afterschool Program for Maryvale Youth

Samantha Zah

Embedding Sustainability Within the Navajo Nation Gaming Enterprise

Bachelor of Arts

INTERNATIONAL DEVELOPMENT AND SUSTAINABILITY

Mackenzie Agosta, *Magna Cum Laude*

Melissa Dobroski, *Cum Laude*

Maya Ginnelly, *Cum Laude*

Tess Hotchkiss, *Magna Cum Laude*

Gillian Macchia

Mayson Morrow

Nathaniel Thrash, *Magna Cum Laude*

Jordan Hancock, *Cum Laude*

POLICY AND GOVERNANCE IN SUSTAINABLE SYSTEMS

Elyse Kats, *Summa Cum Laude*

Casey Kennedy, *Summa Cum Laude*

Omar Sanchez Marquez, *Magna Cum Laude*

SOCIETY AND SUSTAINABILITY

Melissa Abreu

Paige Adams

Samantha Bishop, *Summa Cum Laude*

Trenton Chapman, *Magna Cum Laude*

Christiana Fleming, *Magna Cum Laude*

Teddy Gonzalez, *Summa Cum Laude*

Huda Khalife, *Summa Cum Laude*

Josephine Kinsey

Dana Martin

Tanvi Patel, *Summa Cum Laude*

Emily Piesens, *Summa Cum Laude*

Emily Powell, *Summa Cum Laude*

Rachel Prickett

Maryam Balqis Abdul Rashid, *Summa Cum Laude*

Paiton Upshaw, *Magna Cum Laude*

Oksanna Wildrick, *Magna Cum Laude*

Tsz Wong

Jillian Ziebell, *Summa Cum Laude*

Emily Zumtobel, *Cum Laude*

SUSTAINABLE URBAN DYNAMICS

Julia Beatty, *Cum Laude*
Nicholas Denton, *Magna Cum Laude*
Skyliana Dosier, *Summa Cum Laude*
Peyton James, *Magna Cum Laude*
Tatyana Plummer
Rachel Shultis, *Summa Cum Laude*
Huasiqi Tang

Bachelor of Science

ECONOMICS OF SUSTAINABILITY

Rachel Gregory, *Magna Cum Laude*
Bailey Howard, *Summa Cum Laude*
Careen Lewis, *Cum Laude*
Baili Nichter, *Magna Cum Laude*
Haley Penny, *Cum Laude*
Tara Severance
Ryan Taylor, *Summa Cum Laude*
Sawyer Treese, *Summa Cum Laude*

SUSTAINABLE ECOSYSTEMS

Alison Almand, *Magna Cum Laude*
Stina Beattie
Silje Beattie
Alyssa Cliburn, *Cum Laude*
Austin Crane, *Summa Cum Laude*
Ivy Davis, *Cum Laude*
Jacob Eberspacher
Grant Falvo, *Magna Cum Laude*
Braedon Kantola, *Summa Cum Laude*
Katelyn Keller, *Cum Laude*
Kevin Lane, *Cum Laude*
Paul Millea, *Summa Cum Laude*
Patrick Newman
Jacob Paige

Candidates for Bachelor's Degrees continued

Matthew Rodriguez

Christopher Ryan, *Magna Cum Laude*

Matthew Seelig, *Summa Cum Laude*

Mikka Suhonen, *Summa Cum Laude*

SUSTAINABLE ENERGY, MATERIALS AND TECHNOLOGY

Chloe Cardone, *Cum Laude*

Kara Davis, *Summa Cum Laude*

Sarah Donovan, *Cum Laude*

Heather Harrenstein, *Summa Cum Laude*

Jeremy Hitzel

Hillary Junglas, *Summa Cum Laude*

Tyler Kamphefner, *Cum Laude*

Melanie Koenig, *Cum Laude*

Hanna Layton, *Magna Cum Laude*

Tyler Micek, *Cum Laude*

Julia Mikuta, *Magna Cum Laude*

Jennifer Patterson, *Summa Cum Laude*

Students whose names appear in this program are candidates for the degrees listed, which will be conferred subject to completion of requirements.

Academic Recognition

A baccalaureate degree candidate must have completed at least 56 semester hours of resident credit at Arizona State University to qualify for graduation with academic recognition. For purposes of this ceremony, grade point averages from the end of last semester were used. Final designations will be noted on the student's diploma and transcript.

Summa Cum Laude

designates those candidates with a cumulative grade point average of 3.80 – 4.00

Magna Cum Laude

designates those candidates with a cumulative grade point average of 3.60 – 3.79

Cum Laude

designates those candidates with a cumulative grade point average of 3.40 – 3.59



The School of Sustainability Gonfalon

This banner of ASU maroon and gold features fields of scarab green, the shade established by Arizona State University as the academic color for the new discipline of sustainability. The symbol adorning the School of Sustainability's gonfalon is a city skyline surrounded by a vine growing in an unbroken circle. The skyline denotes economic growth and social justice, while the twining vine signifies the natural environment and its relationship to all things.

School of Sustainability Undergraduate Academy

The academy program fosters academic success, leadership skills, community engagement, and persistence to graduate and reach goals beyond graduation. Graduates of the academy have maintained a high GPA, participated in community services, engaged on campus, demonstrated leadership experience and actively participated in the academy for at least two semesters. Graduating academy members can be identified by an academy pin, the mark of their achievement.



School of
Sustainability
Academy

Honor Society for Sustainability Stoles

In 2012, Arizona State University established the nation's first Honor Society for Sustainability, a network of sustainability scholars who have demonstrated academic excellence and are committed to solving global challenges of sustainability. Students who applied and have met the academic requirements established by the chapter can be identified by their scarab green stoles, the mark of their achievement.



Arizona State University Caps and Gowns

Arizona State University has partnered with Herff Jones to reduce waste and greenhouse gas emissions. ASU's graduation caps and gowns are made from 100% recycled materials. Each time one of these gowns is manufactured, 29 plastic bottles are saved from the landfill. Unifi, who makes the fabric, called Repreve[®], donates a portion of sales to worthy environmental causes. ASU's Sun Devil Campus Stores provide graduation gown collection bins during December for fall and May for spring commencement. Students can drop off their used gowns at any one of ASU's Sun Devil Campus Stores' collection bins. The gowns will be sent to the manufacturer to be recycled back into Repreve[®] fibers which will be used to produce new caps and gowns for future graduates. The School of Sustainability also collects donated gowns for reuse in future ceremonies.

