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THE FIRST OF ITS KIND







DUKE KUNSHAN UNIVERSITY

DUKE KUNSHAN UNIVERSITY

MULTIPLE PERSPECTIVES ENDLESS OPPORTUNITIES



THE FIRST OF ITS KIND

**Imagine you could start a university from scratch.
What would your priorities be?
How would you hope to achieve them?**



A little more than a decade ago, such conversations involving some of the most creative people in higher education took place. They included leaders of two of the great universities in the world, Duke University in the United States and Wuhan University in China, and the outcome of their vision is Duke Kunshan University.

Thanks to a remarkable faculty and an adventurous student body representing more than 70 countries, Duke Kunshan is already executing its vision – to develop next-generation leaders who will define the future and conduct research that addresses the major challenges of this century – while also bridging divides between nations and cultures. These outcomes are achieved in the classroom, in research labs, in our fieldwork, and in everyday activities across and beyond our campus.

Founded in 2013, Duke Kunshan University is redefining what it means to be a global university. It does so by combining the academic strengths of East and West that allow students and faculty from around the world to learn from – and with – one another. These international conversations prepare our students to be future leaders in an increasingly global world.

We hope through this viewbook that you get a feeling for the beauty of our close-knit yet growing campus in the dynamic city of Kunshan and a sense of our ambitious goals to make a significant difference in our world.

MESSAGE FROM THE CHANCELLORS

Welcome to Duke Kunshan University, which in a short amount of time has grown from a visionary idea into an intellectual hub that is committed to shaping a more knowledgeable, inclusive, responsible, and peaceful world.

DKU was formed as an innovative partnership between Duke University, Wuhan University, and the city of Kunshan, by far-sighted leaders who seized a unique opportunity to make a significant difference in our global future. Our students, faculty, and staff remain committed to making the world a better place — from providing clean drinking water and sustainable energy systems for rural villages, to developing preventive measures against future pandemics, and extending perspectives and understanding across our globe.

While DKU is still in the early stages of institutional development, the university has established a strong tradition of providing high-quality liberal-arts undergraduate and cutting-edge graduate programs with our core missions in mind: to be rooted in the present while looking to the future; to be rooted in China while facing the globe; and to be rooted in helping students grow while preparing them for success. Further, the university enriches its core programs with active faculty exchanges, student study abroad opportunities, joint research projects, summer programs, internships, and jointly sponsored conferences and seminars that explore cutting-edge disciplinary and global themes.

We hope you will take the time to learn more about our university, and the wonderful people who study, teach, and work here. We invite you to explore the boundless opportunities DKU offers, and to join us in our mission to make higher education relevant and impactful for improving life and promoting greater understanding across our planet in the 21st century.



YOUMEI FENG
CHANCELLOR
Duke Kunshan University



SCOTT MACEACHERN
VICE CHANCELLOR FOR ACADEMIC AFFAIRS
Duke Kunshan University

OUR FOUNDING

Duke University

A private comprehensive teaching and research university, Duke traces its roots to 1838, and officially became Duke University in 1924. In addition to liberal arts and engineering education at the undergraduate level, Duke offers graduate and professional study in arts and sciences, business, divinity, engineering, the environment, law, public policy, medicine, and nursing. Duke enrolls more than 15,000 students in its undergraduate, graduate, and professional programs. Duke's home campus is situated on nearly 9,000 acres in Durham, North Carolina, USA. Duke also is active internationally through the Duke-NUS Graduate Medical School in Singapore, Duke Kunshan University in China and numerous research and education programs across the globe. More than 75 percent of Duke students pursue service learning opportunities in Durham and around the world through DukeEngage and other programs that advance the university's mission of "knowledge in service to society."

EST 1838



Wuhan University

Wuhan University is one of the most prestigious and selective public universities in China. Founded in 1893, the university is among the oldest in China and has over 100 years of experience in training top researchers and scientists in fields such as the social sciences and engineering. Wuhan University enjoys partnerships with more than 400 universities and research institutes in over 70 countries and regions, and its more than 500,000 alumni include at least 100 members of the Chinese Academy of Sciences and the Chinese Academy of Engineering.

EST 1893



City of Kunshan

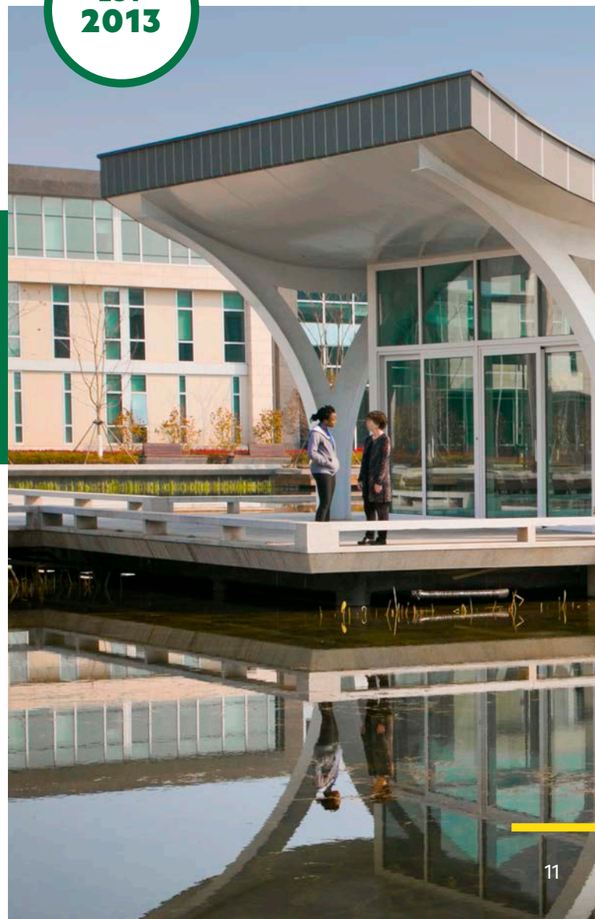
Located at the heart of Jiangsu province in the vibrant Yangtze River Delta, Kunshan is one of China's fastest-growing economies and a hub for high-tech research and manufacturing. The city boasts picturesque forests and historic water towns and is connected by high-speed rail and subway to Shanghai and Suzhou, two of the country's most dynamic cities, making Kunshan the ideal setting for Duke Kunshan University.





DUKE KUNSHAN UNIVERSITY

EST 2013



Duke is fully committed to Duke Kunshan University, which is built upon an extraordinary partnership with Wuhan University. Innovative programming, cutting-edge research, and a vibrant student and faculty experience make Duke Kunshan a world-class institution, and our work there strengthens what we are able to accomplish at Duke. We are proud to engage with our partners in China and look forward to a very bright future ahead for Duke Kunshan.



VINCENT E. PRICE
PRESIDENT
Duke University
Walter Hines Page Professor of Public Policy and Political Science in the Sanford School of Public Policy and Trinity College of Arts and Sciences





Duke Kunshan University represents a fusion of Chinese and Western cultures and educational concepts, and an exploratory practice of Sino-foreign cooperation in running higher education institutions. As a founding partner of Duke Kunshan, Wuhan University is committed to supporting its development and working closely with Duke Kunshan on talent training and research collaboration.

XIANKANG DOU
PRESIDENT
Wuhan University
Academician, Chinese Academy of Sciences

WHAT MAKES DUKE KUNSHAN UNIVERSITY DISTINCT?

Duke Kunshan at a Glance

A Sino-U.S. Partnership Between Duke University in the United States and Wuhan University in China



Durham

#2 Best Place to Live in the U.S.
(U.S. News & World Report - Best Places To Live, 2021)

Kunshan

China's #1 Best-Developed County-Level Economy Since 2005

About **8:1** Student-Faculty Ratio **<20** Average Class Size

2 Degrees & Campuses

Undergraduate students receive degrees from Duke and DKU

Graduate students receive a Duke degree

60+ Student Clubs and Organizations

Undergraduate and Graduate Students from **60+** Countries

Faculty from **20+** Countries

First LEED-Certified Campus in China

2 Alumni Networks

180,000+ in Duke Alumni Network

Access to Duke e-resources:

- **2.1 million** e-books
- **296,000+** e-journals
- **1,000+** AcademicDatabases

Campus Among **200+** Acres of Native Wetlands

DKU is a young and promising university where you learn to define yourself. Extraordinary things happen here because everybody collaborates with each other to build the DKU liberal arts education. At DKU, you can take courses in subjects that you are not familiar with or have no knowledge of. There is plenty of space for you to explore new fields. From my experiences, I am a natural science student but I've had the chance to learn more about history, philosophy, and data analysis. The knowledge has certainly helped me understand the broader world.

HAIBEI ZHANG, CHINA | CLASS OF 2022



The environment at DKU both in and outside of the classroom is unlike any other university. DKU's classes have helped me to learn as much about myself as I have about the material. Because many of my classes have been discussion-based, each class I find myself learning even more than I thought I would. Because of our campus setup, we all eat in the same dining hall, and in-class discussions often continue over a meal after class.

Studying in China has been something I feel very lucky to have been able to do. Not only has it helped me improve my Chinese and learn more about China, it has also helped me learn more about my own country. Overall, it has been one of the best experiences of my life.

SPENCER REEVES, U.S. | CLASS OF 2022

I have always been fascinated with globes. I would spin them and close my eyes, hoping that my finger would land on some new place to explore. At DKU, the globe comes to life. All I need to do here is spin myself around and I'm surrounded by people from every part of the world. DKU is a young, energetic community steeped in diversity. Your classmate might be from the other side of China, or from the other side of the world. Our community has faced challenges, but an intangible spirit of interdisciplinary inquiry has held us together as a close-knit community of artists, filmmakers, scientists, economists, and others engaged in interdisciplinary conversations. This free-flowing conversation truly sets DKU apart.

GAURAV RAJESH PARIKH, INDIA | CLASS OF 2023



Being part of the DKU Medical Physics program brought me a lot of gratification. Academically, the program is very strong, with amazing faculty both at DKU and at Duke whose focus on teaching and helping students was unlike anything I had experienced in undergraduate school. It is a program that will truly help improve patient care worldwide. As for living in DKU as an international student, the experience was overwhelmingly pleasing.

PEDRO CARDOSO,
BRAZIL | CLASS OF 2019
MASTER OF SCIENCE IN
MEDICAL PHYSICS
Medical physicist, Hospital Vila Nova Star, São Paulo, Brazil



The iMEP program has helped me to improve my skills in statistics, policy writing, public presentation, and economics, which will support my goal to initiate environmental protection in the business world. The iMEP program at DKU is not only an ideal environment for academic study, but also a place for students to find their passions and prepare for their future career.

XIAOLIN XIE, CHINA | CLASS OF 2019
INTERNATIONAL MASTER OF ENVIRONMENTAL POLICY
Associate consultant, PwC





ACADEMIC PROGRAMS

The research-based, liberal arts curriculum at Duke Kunshan University is ideal for a wide degree of programs and areas of inquiry. Undergraduates have the opportunity to study their chosen field in depth while also benefitting from the collaborative and interdisciplinary approach that is our hallmark. Our graduate programs offer advanced degrees suited to professionals and academics and foster creative engagement between the public and private sectors.



DKU FACULTY

Learn from the Best

Duke Kunshan University's faculty consists of globally recruited resident faculty members selected by joint Duke/DKU search committees, and visiting and adjunct faculty from Duke University, Wuhan University and other top universities in China and abroad. We have faculty from more than 20 countries, representing a variety of disciplines and research areas in the social sciences, arts and humanities, and natural and applied sciences.



"Duke Kunshan University provides a first-class educational experience for both graduate and undergraduate students. Our undergraduate program combines the best of a traditional Western liberal arts education with an innovative, interdisciplinary curriculum, one designed specifically to prepare students for the changing career choices that they will have in the 21st century. We train our students to be comfortable in cross-cultural interactions as their future careers take them across the globe, while remaining rooted in their own cultures and communities. Our graduate students participate in Master's programs that prepare them in a variety of different fields, from Management to Electrical and Computer Engineering. And all of our students have the opportunity to learn and do research with international faculty recruited from around the world."

SCOTT MACEACHERN
VICE CHANCELLOR, ACADEMIC AFFAIRS
Duke Kunshan University
Professor of Archaeology and Anthropology

UNDERGRADUATE STUDIES

Duke Kunshan University provides a 21st century liberal arts and sciences education that helps students develop a sense of social responsibility and global citizenship, as well as strong and transferable intellectual and practical skills such as communication, analytical and problem-solving skills, and a demonstrated ability to apply knowledge and skills in real-world settings.





“DKU is a vibrant intellectual community of scholars from all over the world. Undergraduate students with different disciplinary foundations and cultural backgrounds come together in interdisciplinary courses to share their unique perspectives toward common themes. Students learn as much from their peers as from their instructors. They don’t just sit in a classroom passively listening to a lecture. They are active participants in their own education, getting out into the surrounding area on Friday class trips, attending talks by guest speakers who are experts in their disciplines, studying away at Duke, and doing research, internships, and experiential learning activities. A DKU student’s undergraduate education culminates in a Signature Work project that allows them to work closely with a faculty mentor to probe deeply into an area of specific interest to them, reflecting on their coursework, experiential learning, and capstone to produce an independent or small-group academic or creative work that is uniquely their own.”

MARCIA B. FRANCE
DEAN OF UNDERGRADUATE STUDIES
Duke Kunshan University



THE SEVEN ANIMATING PRINCIPLES

The overarching goals of the DKU undergraduate program are embedded in the seven animating principles that are expressed throughout the curriculum:



1 ROOTED GLOBALISM

To cultivate informed and engaged citizens who are knowledgeable about each other's histories, traditions of thought, and affiliations, and skilled in navigating among local, national, and global identities and commitments.



2 COLLABORATIVE PROBLEM-SOLVING

To instill the habits of collaboration and the ability to synthesize disparate insights in solving complex challenges.



3 RESEARCH AND PRACTICE

To enhance the ability to forge links between theory and practice in the many-sided and rapidly changing world of human need.



4 LUCID COMMUNICATION

To develop the ability to communicate effectively, both orally and in writing, and to listen attentively to different viewpoints in coming to mature judgments.



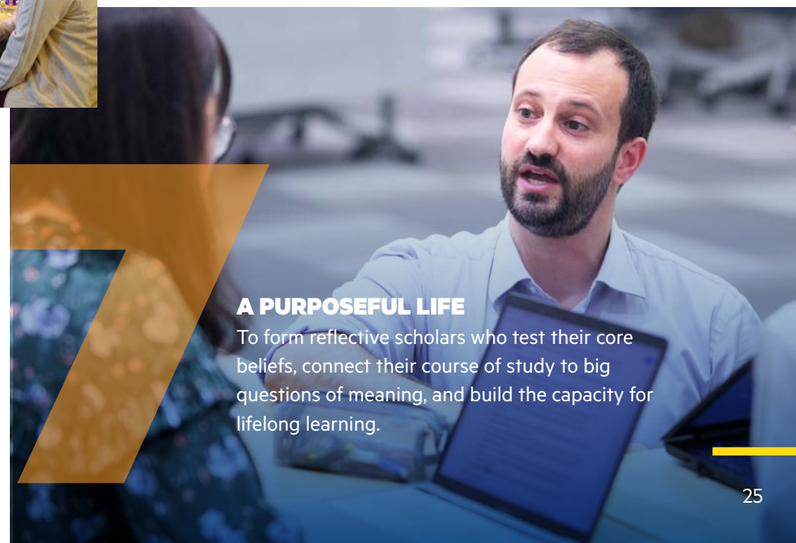
6 WISE LEADERSHIP

To shape thinkers and doers who possess the moral compass to guide communities and institutions toward a common good and who have the wisdom and technical competence to deal effectively with complexity.



5 INDEPENDENCE AND CREATIVITY

To nurture free inquiry, deep reflection, and a drive to ask interesting questions and find compelling answers.



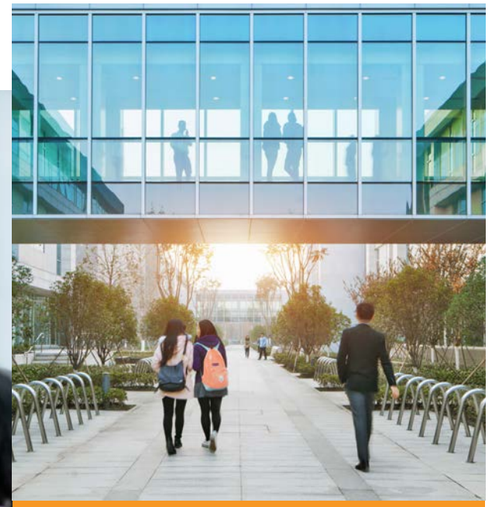
7 A PURPOSEFUL LIFE

To form reflective scholars who test their core beliefs, connect their course of study to big questions of meaning, and build the capacity for lifelong learning.

THE INNOVATIVE CURRICULUM: FIVE KEY FEATURES

The Duke Kunshan University curriculum blends a liberal arts and sciences education with modern interdisciplinary learning, challenging students to become rooted globalists who make a difference in professional and civic life. The five structural features of our undergraduate curriculum bring Duke Kunshan University's animating principles to life.





1 Shared Experience

Our unique Common Core courses bring students from different academic areas together in small class settings, often leading to robust, thought-provoking discussions.

2 Applied Knowledge

Courses are interrelated and interdisciplinary within and beyond your major. Learn to view complex issues through multiple lenses and devise solutions to real-world problems in student/faculty teams from across the academic spectrum.

3 Block Schedule

We divide the conventional semester into two seven-week blocks. In each block, you will complete two to three focused courses. Students take classes four days a week – Monday to Thursday. Our 4+1 academic week offers countless opportunities to apply your newly acquired knowledge out in the world. On Fridays, students are busy with various experiential learning activities, field trips, community engagement, or faculty-guided research.

4 Signature Work

After choosing a topic in the second year, you will work toward a Signature Work project to showcase the knowledge you have accumulated over your four years, drawing on your coursework, research, internships, community-based fieldwork, study abroad experiences, and other activities.

5 Flexible Program

Our program enables you to tailor your learning experience to meet your academic goals. You will select a major by the end of your second year, so take time to explore. Coursework can be complemented by research, internships, co-curricular activities, electives inside and outside your major, and a variety of mini-term courses.

MINI-TERM COURSES

Electives that typically last one week, these courses let you dive into a new and exciting subject area.

INTERDISCIPLINARY MAJORS

At Duke Kunshan University, each major consists of an interdisciplinary set of courses that integrate different forms of knowledge and a distinct set of disciplinary courses that provide expertise in specific areas.

1. Applied Mathematics and Computational Sciences | Tracks in Computer Science and Mathematics
2. Behavioral Science | Tracks in Psychology and Neuroscience
3. Computation and Design | Tracks in Computer Science, Social Policy, and Digital Media
4. Cultures and Movements | Tracks in Cultural Anthropology, Sociology, and World History
5. Data Science
6. Environmental Science | Tracks in Biogeochemistry, Biology, Chemistry, and Public Policy
7. Ethics and Leadership | Tracks in Philosophy, Religious Studies, and Public Policy
8. Global China Studies | Tracks in Chinese History, Philosophy, Religious Studies, Economics, and Political Science
9. Global Cultural Studies | Tracks in World Literature and World History
10. Global Health | Tracks in Biology and Public Policy
11. Institutions and Governance | Tracks in Economics, Political Science, and Public Policy
12. Material Sciences | Tracks in Physics and Chemistry
13. Media and Arts | Tracks in Creative Practice and Art History
14. Molecular Bioscience | Tracks in Cell and Molecular Biology, Genetics and Genomics, Biogeochemistry, and Biophysics
15. Political Economy | Tracks in Economics, Political Science, and Public Policy
16. U.S. Studies | Tracks in American History, American Literature, Political Science, and Public Policy

“Most global challenges are interdisciplinary, so having at least some knowledge about different areas of study is important to be a well-rounded academic. I’ve taken so many “random” classes; classes I would probably never have taken at a traditional university. This has allowed me to expand my research interests and inspired me to redefine my passions.”

ALBERTO NAJARRO, EL SALVADOR
CLASS OF 2022
ENVIRONMENTAL SCIENCE MAJOR





RESEARCH

Undergraduate students can engage in meaningful research starting in their first year. Teaching students how to connect to research across disciplines, our course-based experiences help students develop laboratory skills and analytical tools while improving their communication, collaboration, and problem-solving techniques.







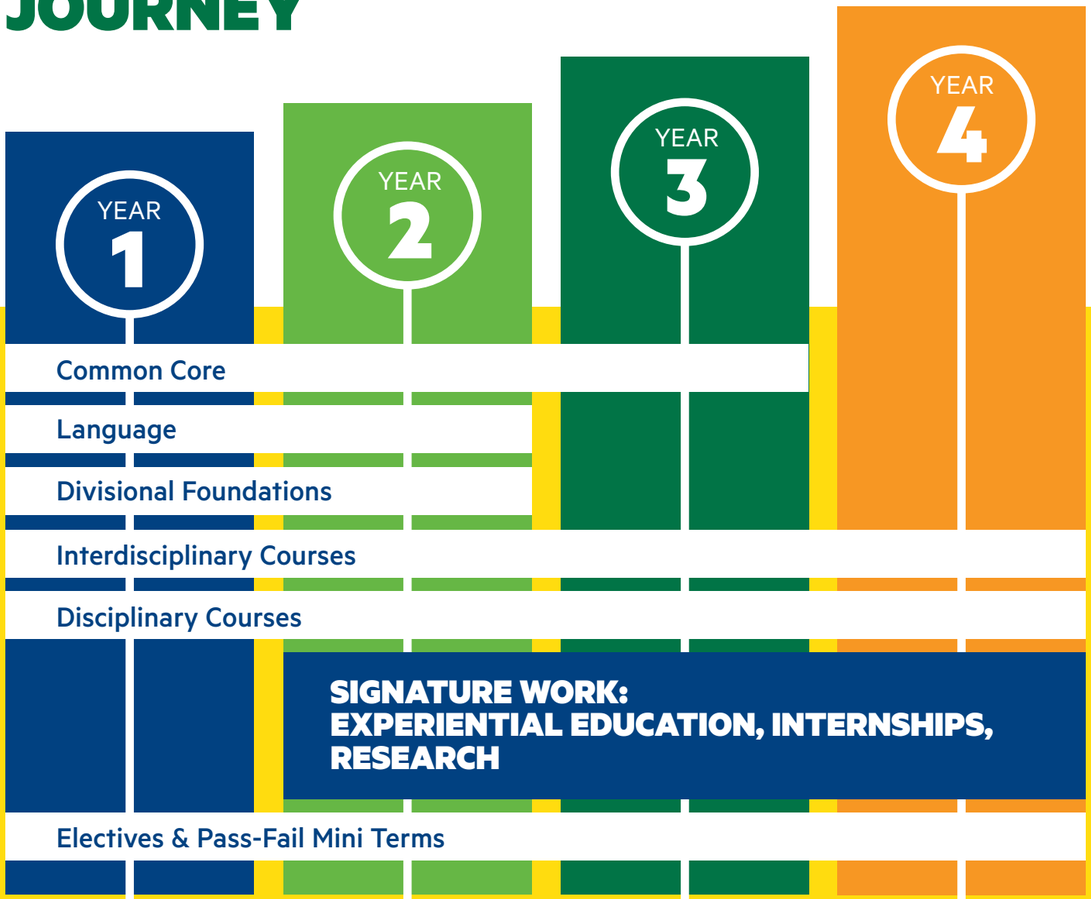
“As a student research assistant at the Global Health Research Center (GHRC), I am expected to be proactive, responsible, and independent. Working at the GHRC has enabled me to nurture and apply these skills when initiating and executing other projects. Despite the challenges of the pandemic, we remained determined to seek collaboration and research opportunities, which is essential for researchers in any field. What DKU offers me is the independence to define a problem and the freedom to develop a solution to it. DKU is indeed a place for aspiring and pioneering researchers.”

MAY THONGTHUM, THAILAND
CLASS OF 2022





THE UNDERGRADUATE JOURNEY



4-YEAR SNAPSHOT



Be different, be confident, be you.

SIGNATURE WORK: HOW WILL YOU MAKE YOUR MARK?

Signature Work is the culmination of three intensive years of active, roll-up-your-sleeves learning and practice. It asks students to combine academic learning with research and co-curricular experiences in a capstone project that reflects interdisciplinary connections and the ability to apply knowledge to an issue, topic, or question of their choice. Completed under the direction of faculty mentors, your signature project can be as individual as you are.

STUDY AWAY

Duke Kunshan undergraduate students have the opportunity to study at Duke University in Durham, North Carolina, for one semester in their junior year, and the option to attend Duke's Summer Session. DKU students can choose from a wide range of course options at Duke, and have access to extra- and co-curricular activities, clubs, and student services. Students interested in biology or oceanography can choose to study at Duke University Marine Lab. In addition, DKU maintains an active list of preapproved study away opportunities in other locations, and students also have the option of individually petitioning to participate in a program based on academic interests or needs that are not represented among preapproved programs.

ACADEMIC ADVISING

Academic advising provides undergraduates with academic strategies that reinforce a research-oriented liberal arts and sciences education inclusive of how students learn and develop in pursuit of their academic and career endeavors.

GRADUATE PROGRAMS

Continuing Excellence

Duke Kunshan University attracts the best minds and provides students with the education to become global citizens and outstanding contributors to society. Whether it's mastering advanced research methods, training alongside experts at leading hospitals, or understanding the latest business trends, our graduate programs immerse students in intercultural environments and equip them with the skills to understand and address global challenges, now and in the future. Our programs propel experienced professionals and recent graduates into the next dynamic phase of their career.









Master of Engineering in Electrical and Computer Engineering (ECE)

Based on the high-quality interdisciplinary education and research of Duke University's ECE program, the master of ECE program at Duke Kunshan provide students with an American-style education integrated with modern Chinese business practices and industry standards, to prepare them as global leaders in tech. Students spend their first year at Duke Kunshan and their second year at Duke's Durham campus, allowing them to experience intercultural education in China and the U.S.

ACCESS TO THE JOB MARKET | Students are expected to spend their second year at Duke. While there, they are eligible for Optional Practical Training (OPT) from the U.S. Citizenship and Immigration Services.

DEGREE | Duke University

SCHOOL | Pratt School of Engineering

LOCATION | Kunshan, Jiangsu province, China, and Durham, N.C., United States

LENGTH | 2 years

LANGUAGE | English

CREDITS | 30

"The M.Eng in electrical and computer engineering is a wonderful program that combines Duke's excellent engineering education experience with local Chinese industrial connections. The ECE courses have been very helpful to me in pursuing a career as a software engineer. Spending one year at Duke Kunshan and one year at Duke University allowed me to acquire a high-level Western education and to experience the diversity of different cultures. The tough but rewarding engineering courses at DKU and Duke have given me the full confidence to face any challenge in my career."

WEI XUE , CHINA | CLASS OF 2021





"We train our students to thrive in the globalized world, with an emphasis on international experience and context.

Our interdisciplinary curriculum includes technical courses and business/management courses while also covering emerging technological areas such as software development and big data analysis. Our approach is aligned with the latest industrial practices, and students are ready for competitive industrial jobs at major IT companies upon graduation. We're training the next generation tech talent to build bridges and advance technology on a global scale."

XIN LI, PH.D.

DEAN OF GRADUATE STUDIES
Duke Kunshan University
Associate Dean of Research
Director, Master of Engineering Program in Electrical and Computer Engineering
Professor, Electrical and Computer Engineering
Director, Institute of Applied Physical Sciences and Engineering
Director, Data Science Research Center

PROFESSOR, ELECTRICAL AND COMPUTER ENGINEERING
Duke University

International Master of Environmental Policy (iMEP)

The iMEP program approaches the study of environmental policy through an interdisciplinary lens that straddles economics, public policy, political science, law, geography, and the natural sciences, with an emphasis on international and Chinese experiences and contexts. Based on Duke's master of public policy and master of environmental management, Duke Kunshan's iMEP program offers a highly analytical and innovative postgraduate degree. Our graduates become leaders in civil society, business, consulting firms, research institutions, think tanks, and entrepreneurial enterprises.

- **DEGREE** | Duke University
- **SCHOOLS** | Sanford School of Public Policy, Nicholas School of the Environment
- **LOCATION** | Kunshan, Jiangsu province, China, and Durham, N.C., United States
- **LENGTH** | 2 years
- **LANGUAGE** | English
- **CREDITS** | 48



"My experience as an iMEP student was transformational in the best way possible. I learned tangible skills that can be used to solve meaningful problems, such as how to utilize mapping software, navigate statistical software programs, and write policy memos. In addition, through my master's project with the DKU Environmental Research Center, I had the opportunity to strengthen my leadership, communication, and networking abilities.

I am so grateful to the iMEP community for their support and guidance while I was a student there. Further, the chance to study abroad for three semesters was an invaluable way to learn about new perspectives through first-hand experience. The lessons I learned as a student in iMEP continue to positively influence my career."

KELLEY REARDON, U.S. | CLASS OF 2019
COURSE DIRECTOR AND ACADEMIC OPERATIONS COORDINATOR
Verto Education

"The vision of the iMEP program at DKU is to equip the next generation of environmental leaders and to incubate creative ideas for improving environmental quality in China, Asia, and the world. The environmental policy field bridges traditional disciplines of environmental studies and public policy, recognizing that in order to most effectively protect and manage the environment, one must understand the rules, laws, guidelines, practices, and ethics that guide how different groups or individuals interact with the environment."

PATRICK S. WARD, PH.D.
ACTING DIRECTOR OF THE iMEP PROGRAM,
DIRECTOR OF GRADUATE STUDIES
Duke Kunshan University
Assistant Professor of Environmental Economics and Policy



Master of Management Studies (MMS)

The MMS program offers a unique global degree that prepares recent graduates and early-career professionals for a successful international career. Students learn the foundation of core business disciplines and are exposed to two of the world's most-important economies: China and the U.S. Students spend the first half of the program at Duke's top-tier Fuqua School of Business in the U.S. before transitioning to the Duke Kunshan campus in China.

- **DEGREE** | Duke University
- **SCHOOL** | Fuqua School Of Business
- **LOCATION** | Durham, N.C., United States, and Kunshan, Jiangsu province, China
- **LENGTH** | 10 months
- **LANGUAGE** | English
- **CREDITS** | 43



"The DKU program prepared me for my career in international business, allowing me to experience first-hand both American and Chinese business cultures. With a global perspective and exceptional academic training, I now feel qualified to take my place in the world of international business."

LUCIA GARCIA, ARGENTINA
CLASS OF 2015
ASSOCIATE CONSULTANT
Bain & Company

"I have had the pleasure of working with the MMS program at Duke Kunshan since its inception and am honored to have seen it grow into a world-class master's program in general business. The ability to spend time on both the Durham and Kunshan campuses is a unique and defining feature of immense value to graduates.

Duke Kunshan is a fantastic university, and MMS students get exposure to different cultures and belong to multiple communities – from the more broad Duke community, to the Fuqua School of Business, to the MMS program, and to the DKU community. While students leave the program with the skills and competence to contribute immediately in the business world, I am most proud that they have lived and will continue to live "Team Fuqua," being exceptional leaders and collaborators who care and respect their teammates and draw out the strengths of others as they draw out the best in themselves."

RUSS MORGAN, PH.D.
SENIOR ASSOCIATE DEAN, FULL-TIME PROGRAMS,
FUQUA SCHOOL OF BUSINESS
Duke University
Professor of the Practice of Marketing



Master of Science in Global Health

The global health program at Duke Kunshan is modeled on the highly successful global health program at Duke University. Its mission is to train the next generation of global health researchers, practitioners and leaders through a high-quality educational program and participation in research that emphasizes interdisciplinary collaboration, mentorship from expert faculty, and the importance of reducing health disparities worldwide. Our students study in Kunshan and Durham, and at a fieldwork research site.

- **DEGREE** | Duke University
- **SCHOOL** | The Graduate School
- **LOCATION** | Kunshan, Jiangsu province, China, and Durham, N.C., United States
- **LENGTH** | 1.5 to 2 years
- **LANGUAGE** | English
- **CREDITS** | 38

"Duke Kunshan's global health program develops students in many areas, which can broadly be divided into either the business or professional track. The business track can lead to a career in business management and operations. The professional track has the biology-related field, focusing on disease treatment such as vaccine development and virus control, and the public policy field, which is closer to society and people; it forms the direction of policymaking and government planning on whether new health care systems work effectively and on the equity of resource allocation. Global health plays a crucial role in public health development and disease control. Infectious diseases like COVID-19 can have a significant impact on global health, economies, cultures, and politics, and they are a major issue that global health professionals are committed to addressing."



ANLI SUN, CHINA | CLASS OF 2018
REGIONAL MEDICAL ADVISOR FOR THE MEDICAL DEPARTMENT
Pfizer

"The Global Health Research Center has been built upon the principles of scientific excellence and policy relevance. Using interdisciplinary approaches, we have collaborated with global and domestic partners on projects that address policy and systems, environmental health, NCDs, and emerging infectious diseases, and produced many impactful scientific products for informed policy development over the past eight years."

SHENGLAN TANG
CO-DIRECTOR OF GLOBAL HEALTH PROGRAM, Duke Kunshan University

MARY & JAMES SEMANS PROFESSOR OF MEDICINE
AND GLOBAL HEALTH
Department of Population Health Science of Duke Medical School



"The vision of the Global Health research and MSc-Global Health Master's program (MSc-GH) at DKU is to eliminate health disparities in China and the World and achieve improved health for all by actively addressing the global health challenges of today and tomorrow.

We conduct research in China, Asia and the World that leads to informed policy making and innovative approaches to address global health issues, and provide high quality MSc-GH education to nurture the next generation of global health researchers, practitioners and leaders with strategic views and practical experience to promote health equity and well-being worldwide. The interdisciplinary curriculum of MSc-GH covers fundamental public health courses and research methodology, as well as new health science on the emerging diseases, social determinants of health and health promotion. Students have opportunities to participate in research and field work in developing countries and UN agencies including the World Health Organization, as well as international NOGs.

YUNGUO LIU
CO-DIRECTOR OF GLOBAL HEALTH PROGRAM, Duke Kunshan University

DEPUTY DIRECTOR, Duke Global Health Institute of Duke University

Master of Science in Medical Physics

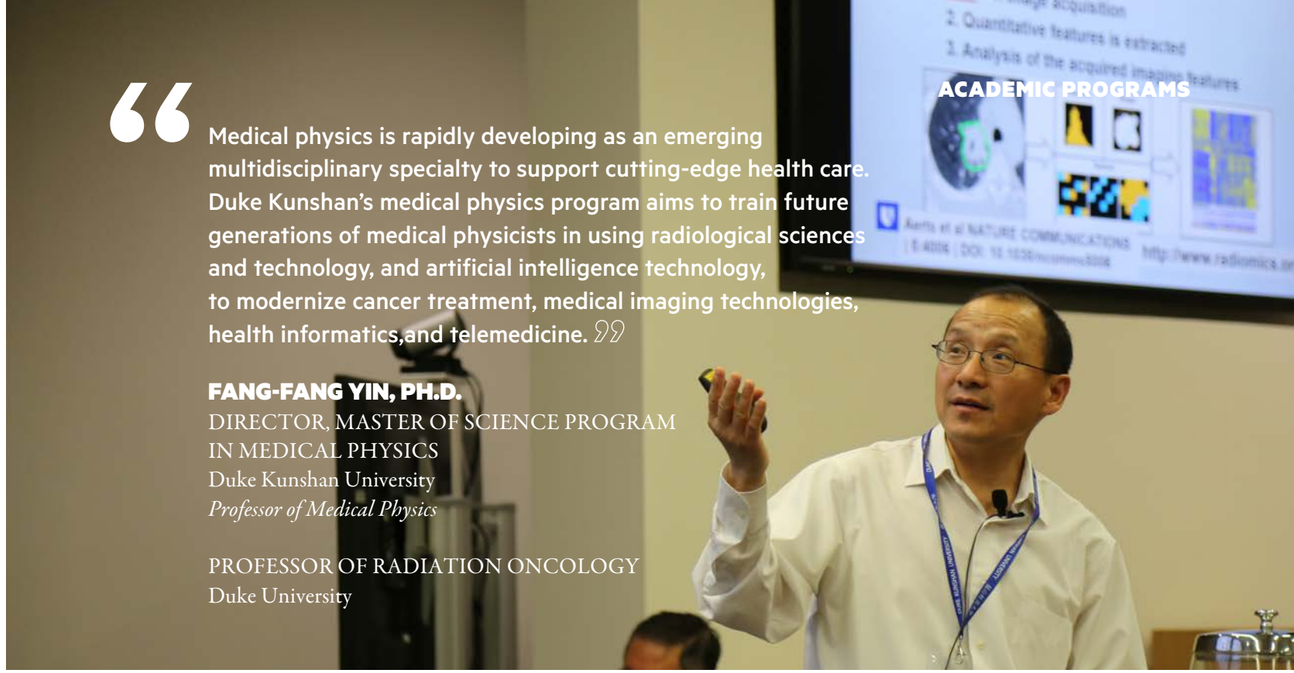
The medical physics program trains students in concepts of physics and in the diagnosis and treatment of human disease, preparing them for careers in academia, research or clinical settings. Students spend their first year and the second semester of their second year at Duke Kunshan. The first semester of their second year may be spent at Duke's Durham campus, during which they receive clinical practicum training. The practicum gives them the opportunity to use the equipment necessary to their field and practice the techniques learned at the world-class Duke University Medical Center. With an advanced degree in medical physics, students are empowered to contribute to cutting-edge medical care, whether in China or in diverse international spheres.

- **DEGREE** | Duke University
- **SCHOOLS** | The Graduate School
- **LOCATION** | Kunshan, Jiangsu province, China, and Durham, N.C., United States
- **LENGTH** | 2 years
- **LANGUAGE** | English
- **CREDITS** | 48

"I think Duke Kunshan offers the best medical physics program in Asia, providing a world-class education through Western and Eastern styles of training. I have met great professors at both Duke Kunshan and Duke, and I will never forget my advisor's words: "Fail and Learn." I was given the confidence I was once unsure I would ever have, and by remembering the things I did wrong the first time, I improved as a researcher and as a person."

EDCER JERECHO DELA CRUZ LAGUDA, PHILIPPINES
CLASS OF 2016
PROTON THERAPY SALES EXECUTIVE
IBA, Singapore





"Medical physics is rapidly developing as an emerging multidisciplinary specialty to support cutting-edge health care. Duke Kunshan's medical physics program aims to train future generations of medical physicists in using radiological sciences and technology, and artificial intelligence technology, to modernize cancer treatment, medical imaging technologies, health informatics,and telemedicine."

FANG-FANG YIN, PH.D.
DIRECTOR, MASTER OF SCIENCE PROGRAM IN MEDICAL PHYSICS
Duke Kunshan University
Professor of Medical Physics

PROFESSOR OF RADIATION ONCOLOGY
Duke University

"Medical physicists are key in bringing outstanding health care to the world. They invent and advance many of the important technologies for medical imaging and radiation therapy, from machines and instruments to artificial intelligence and machine learning. Many Duke faculty members engage with the DKU program, advising students on research, teaching classes and presenting seminars, which complements the daily engagement of our dedicated faculty at Duke Kunshan."

JAMES BOWSHER, PH.D.
DIRECTOR OF GRADUATE STUDIES, MASTER OF SCIENCE PROGRAM IN MEDICAL PHYSICS
Duke Kunshan University
Associate Professor of Medical Physics

ADJUNCT ASSOCIATE PROFESSOR OF RADIATION ONCOLOGY
Duke University



STUDENT LIFE

The idea behind the "The First of Its Kind" doesn't just apply to the innovative character of our curriculum. It also speaks to the students who embody that ethos on a daily basis and bring our international community to life by making strong connections, forming lasting relationships, and manifesting their interests in exhilarating ways.



"DKU's student life experience has been extremely rewarding. From being able to develop leadership skills to building a network with my peers, I have been able to see a lot of growth in myself. Arts, athletics, community service, networking, fun, diversity. You name it, we've got it. Every day is a new experience, and it has never been boring!

My experience at DKU would not have been complete if it wasn't for the engaging student life experience. I have been able to organize big-scale events like DKU's Arts and Music Festival, go on scavenger hunts to explore the city and beyond, and live in a close-knit yet diverse community. Most importantly, I got to write my own story at DKU. I wake up every day to new things happening on campus and there is so much learning happening even outside of classrooms. One day, I get to do flower arrangements in the Water Pavilion, and the next hour, I might be down in the student kitchen making pasta with my friends. What happens the next day? You might catch me learning French at the language table!"

HONEY HUANG, PAKISTAN | CLASS OF 2022

"Our mission in student affairs is to support the holistic development and well-being of students while providing a global and student-centered co-curricular experience. It's our hope that the guidance and support we provide will help students become the best versions of themselves while living purposeful and productive lives.

The values that guide our work are cultural competence, health and wellness, critical thinking, leadership, social responsibility, and respect."

RAPHAEL X. MOFFETT
DEAN OF STUDENT AFFAIRS
Duke Kunshan University



Residence Life

Duke Kunshan students have the support of the Residence Life team every step of the way. From thoughtfully designed living spaces with a full array of services, to modern environments for dining, recreation, and recharging, this is where students make friends and build a sense of belonging. Far beyond traditional dorms, our residence facilities are the creative centers of campus life, the place students live, learn, and lead.

Student Clubs and Organizations

Learning opportunities extend beyond the classroom into all facets of student life. Clubs offer cultural, social, and intellectual experiences that complement students' studies and boost their leadership skills. Students can find a club or make their own – with more than 60 student-run clubs and organization on campus and new ones starting each year, there's something for everyone.





Duke Kunshan Athletics

We are dedicated to creating a culture where our community can thrive through a focus on wellness and healthy living. Sports and recreational programs strengthen the connections between education, competition, and physical activity, and contribute to the lifelong learning benefits of perseverance, respect, adversity, and teamwork.





Campus Engagement

Throughout the academic year and in the summer, students have the opportunity to expand their horizons through activities that foster intercultural knowledge, community involvement, peer-to-peer interaction, arts and cultural exploration, and personal development. Our special events programs include everything from galas to fashion shows, from DKU Quest to the host family program, exhibitions to exclusive off-campus excursions, and countless other happenings along the cultural spectrum.

DKU Quest – Exploring China's Beauty and Mystery

DKU QUEST embraces the integration of global and local traditions of thought and experience while promoting cross-cultural understanding. This is done by providing as many DKU students as possible with a unique and memorable excursion experience in China exploring its culture, history, and natural offerings.





During my sophomore year, I was able to embark on a DKU Quest to explore the great city of Beijing, alongside my close friends and classmates. From visiting the ancient palaces and temples, to eating Beijing's famous roasted duck, to sliding down the Great Wall of China – this was a memorable, breathtaking experience. My experience highlighted DKU's commitment and drive to ensure that students and faculty in the DKU community have the opportunity to explore China's diverse, exciting, and rich history, cultural heritage, and traditions. I am very grateful to have been able to take part in the quest, and I look forward to more experiences such as these.

JOHN LEWIS, NIGERIA | CLASS OF 2022

DKU Host Family Program

Through the Host Family Program, international students at Duke Kunshan are matched with families in Kunshan and Suzhou, who are active members of the community and have a desire to learn more about another culture. Each host family commits to hosting one international student for the duration of their stay at Duke Kunshan.



Joining a host family gave me an opportunity to experience China outside DKU. It also gave me a support network of people who would look out for me, no matter the situation. It was truly an invaluable experience, and I'm looking forward to seeing them as soon as I get back.

NICK SILVA, U.S. | CLASS OF 2023



STUDENT RESOURCES AND SERVICES

DKU is committed to providing educational and developmental programs and services that support the unique needs of our diverse student body.

International Student Services provides inbound visa consultation and assistance before and after students arrive in China, and creates signature programs and events to introduce them to Chinese culture and foster meaningful interactions with the local community. Chinese Student Services facilitates volunteering activities, community service, and experiential learning opportunities, and is responsible for handling administrative matters for domestic students.

Staff across Student Affairs, Counseling and Psychological Services, DKU Library, Career Services, and the Language and Culture Center work with all stakeholders to offer transformative academic and co-curricular support services.

Counseling and Psychological Services (CAPS)

Counseling and Psychological Services at Duke Kunshan University fosters the psychological development and emotional well-being of students through counseling, preventive and educational programming, consultation, and outreach including clinical services, mindfulness-based programs, and interactive online self-help programs.

Library

As a collaborative partner in every aspect of the university's academic endeavors, the Duke Kunshan Library is an interactive and innovative teaching and learning hub, a scholarly gateway to enhance intellectual discovery, cultivate creativity, and promote scholarship and exchange of knowledge.



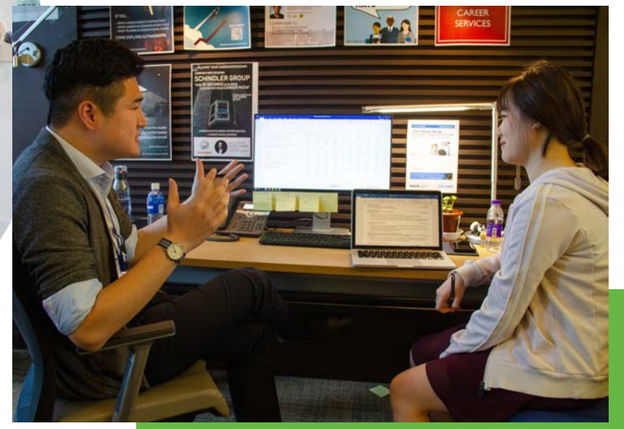
The Language and Culture Center (LCC)

The Language and Culture Center is the academic division responsible for offering language courses, especially courses in English for Academic Purposes and Chinese as a Second Language. The LCC also offers advanced courses in written and oral communication skills, and independent study courses for learning additional languages.



Office of Career Services

The Office of Career Services assists all Duke Kunshan students and alumni seeking to learn and use the essential skills needed to prepare for and develop successful professional careers. Students can find internship and job resources or establish networking through career fairs, company/guest speaker information sessions, field trips, graduate school info sessions, mentorship program, student worker program, standards and policies introduction, etc. We also provide one-on-one coaching sessions and career skills workshops for students to improve their career skills in resume, cover letter, interview, and business etiquette.



A GLOBAL EXPERIENCE

A Transformational Journey That Begins in China

Over the past decade, China has transformed into a laboratory for innovation and a hotbed for research and technical development in emerging fields. This Duke Kunshan experience is designed to provide students with a deep understanding of China and a microcosm of the dynamic changes going on in the world. With time spent in China and abroad, students will be well prepared for advanced studies and career choices worldwide.



Suzhou, China



Shanghai, China

“The experience of living and learning in China at Duke Kunshan offers students educational opportunities that rarely can be found elsewhere. They will be studying at the forefront of global activities, amid one of the most ancient and fascinating civilizations on the planet. The city of Kunshan is widely considered a successful model of China’s social and economic development, which provides DKU students with countless opportunities for cross-cultural collaboration, community engagement, internships, service learning, networking, as well as faculty-guided student research.”

XIAOLIN CHANG
VICE CHANCELLOR OF GOVERNMENT RELATIONS
Duke Kunshan University





Kunshan city is an emerging, modern metropolis with a history dating back more than 2,000 years. The city is the birthplace of Kunqu Opera, one of the oldest forms of Chinese opera, and its mix of natural and urban landscapes has attracted residents from all over the world.

Whether you become captivated by the beauty of nature and culture in Kunshan, or you use Kunshan as a home base for exploring the world’s magnificent places of interest, attending Duke Kushan presents a golden opportunity for a rich global experience.



Kunshan, China





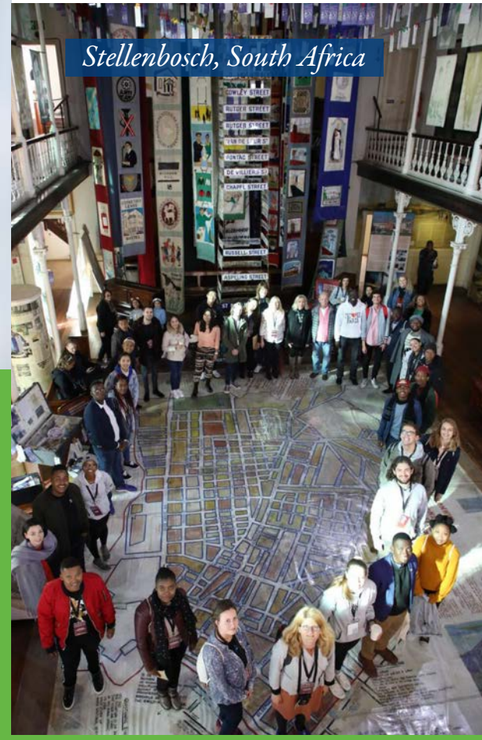
Durham, N.C., U.S.

Few undergraduate students get to say that they were a part of building a university from the ground up, and fewer are able to do this from an entirely separate continent. As a member of Duke Kunshan University's second graduating class, I was able to experience all that DKU had to offer. I became involved in clubs like Youth Leaders in Global Health and Duke East Asia Nexus and formed incredible relationships with my professors. I met inspiring and ambitious students from all over the globe who taught me so much about other cultures and ways of life. Additionally, I greatly improved my Chinese language skills through exploring China and communicating with native speakers.

Over the summer, I took advantage of the opportunity to study at Duke University. I joined a Bass Connections team as a research and policy fellow. I became a member of Duke's Climate Coalition. I became involved with the Duke Alumni board as a panelist, and I also made valuable connections with Duke peers and professors and found passions in health equity and sustainable development that I am excited to continue to foster.

CAROLINE PALMER, U.S. | CLASS OF 2023





Stellenbosch, South Africa

I still remember summer break in my freshman year, when I went to South Africa, Taipei, and Beijing for three amazing student summits. DKU has encouraged me to get out of my comfort zone, to immerse myself in diverse cultures. The DKU education also enables me to interact confidently with people from various backgrounds anytime, anywhere.

LAN TANG, CHINA | CLASS OF 2022



My experience studying and living in Kunshan has been wonderful. I can easily explore around campus and neighboring cities. Specifically, I have been to Shanghai CDC and Fudan University's Health Policy Conference, two trips organized by a club I actively participate in, Youth Leaders in Global Health. Visiting these places and exploring global health in the Chinese context really enhanced my learning experience.

I also like living in Kunshan, which is surrounded by so much greenery and beautiful lakes and ponds and is perfect for cycling. One of my favorite weekend routines is hopping on a free Kunshan city bicycle and riding through Dayu Bay to go fruit shopping with my friends.

REIKA SHIMOMURA, JAPAN
CLASS OF 2023



Lima, Peru

My ten weeks conducting field research in Lima, Peru, while in Duke Kunshan's global health program was an unforgettable experience. My research focus is the use of e-health in primary care settings for non-communicable diseases, trying to pair the latest technologies with some of the most challenging diseases. I got to work with people from various backgrounds, from public health students to medical school researchers and NGO leaders. Collaborating with them gave me the chance not only to learn more about health status quo in Peru, but also about its social backgrounds and contexts, shaping my research questions to better fit what was happening in Lima.

HONGSHENG LU, U.S. | CLASS OF 2020
MASTER OF GLOBAL HEALTH

ADVISORY BOARD

32 distinguished business, government, and education leaders serve on Duke Kunshan's Advisory Board – a voluntary non-governing group that provides strategic guidance to the Duke Kunshan leadership. Chaired by G. Richard Wagoner Jr., former chairman and chief executive officer of General Motors, the advisory board is deeply committed to improving educational opportunities for future generations of students in China and around the world.



LAURENE SPERLING
Chair, Duke University's Board of Trustees
President, Sperling Family Office



DOUG BAKER
Executive Chairman of the Board of Directors, Ecolab Inc.



RAYMUND CHAO
Chairman, PricewaterhouseCoopers Asia Pacific and China



DHANIN CHEARAVANONT
Senior Chairman, Charoen Pokphand Group



XIAOHONG CHEN
Founding Partner, H Capital



JAMES DING
Managing Director, GSR Ventures



VICTOR K. FUNG
Group Chairman, Fung Group
Honorary Chairman, Li & Fung Limited



XIQING GAO
Hongtian Professor of Law, University of International Business and Economics
Former Vice Chairman and President, China Investment Corporation



HAITAO JIN
Chief Executive Partner, Qianhai FOF
Former Chairman, Shenzhen Capital Group



NATALIE G. LICHTENSTEIN
Inaugural General Counsel, Asian Infrastructure Investment Bank (retired)
Adjunct Professor of China Studies
The Paul H. Nitze School of Advanced International Studies, Johns Hopkins University



KENNETH G. LIEBERTHAL
Senior Fellow Emeritus in Foreign Policy and Global Economy and Development
Former Director, John L. Thornton China Center, Brookings Institution



HOWARD MARKS
Co-Chairman, Oaktree Capital Management



LIU MINGKANG
Former Chairman, China Banking Regulatory Commission
Honorary Professor, Lingnan (University) College, Sun Yat-sen University; Honorary Distinguished Research Fellow, Lau Chor Tak Institute of Global Economics and Finance; Honorary Professor of Business School, The Chinese University of Hong Kong



DEDE NICKERSON
Head of Strategy and Producer, Huanxi Media
Advisor, NBA China



DAVID M. RUBENSTEIN
Co-Founder and Co-Chairman, The Carlyle Group



CHAUNCEY SHEY
Managing Partner, Softbank China Venture Capital Pte. Ltd.



DAVID S. TAYLOR
Executive Chairman of the Board, The Procter & Gamble Company



DANIEL M. TSAI
Chairman, Fubon Group



G. RICHARD WAGONER JR.
Former Chairman and CEO, General Motors Company



HUIYAO WANG
Founder and President, Center for China and Globalization (CCG)



JIAN WANG
Chairman, BGI



JINGBO WANG
Co-Founder, Chairman, and CEO, Noah Holdings



PENG WANG
CEO, Synear Food



JESSE J. WU
Former Chairman, Johnson & Johnson China



ELIZABETH YANG
Co-Chairman, County Garden Holdings



YUANQING YANG
Chairman and CEO, Lenovo



MICHAEL YU
Co-founder, CEO, and President, Innovent Biologics, Inc.



MING YUAN
Dean, Yenching Academy of Peking University
Professor, Vice-President, Institute of International and Strategic Studies, Peking University



LEI ZHANG
Founder, Chairman, and CEO, Hillhouse Capital Management Group



XINGSHENG ZHANG
Chairman, Knicks Capital Co., Ltd.
Chairman, The Forever Nature Capital Foundation



YICHEN ZHANG
Chairman and CEO, CITIC Capital Holdings Limited
Chairman, Trustar Capital



YOUJUN ZHANG
Chairman. CITIC Securities Co., Ltd.

RESEARCH AND PRACTICE

Duke Kunshan is home to a variety of interdisciplinary research institutes and centers spanning topics including global health, data science, environmental policy, theoretical and computational mathematics, humanities, and social sciences. Our world-leading researchers collaborate with top-tier universities, companies, and organizations worldwide with the goal to tackle the most pressing issues and devise solutions to global challenges. The research community at DKU comprises academics, full-time research staff, graduate students, and undergraduates. They undertake projects across disciplinary boundaries, broadening understanding of the world through technology, creativity, and ingenuity.





RESEARCH CENTERS

Institute of Applied Physical Sciences and Engineering (iAPSE)

Home to world-class interdisciplinary education and research. In today's profoundly changing world, iAPSE stimulates breakthroughs in applied science and engineering and promotes social, economic, and cultural development. iAPSE endows students with a strong technical foundation, providing them with opportunities to explore science, hone their abilities, and take responsibility.

WHU-Duke Research Institute

The institute fosters close, multifaceted collaborations in education and research between faculty and students at Duke University, Wuhan University, and Duke Kunshan University. By bringing together researchers from various backgrounds to pursue academic excellence in areas of common interest, the institute facilitates research innovation in the academic arena and supports social and economic growth in Kunshan, the Yangtze River Delta region, and beyond.

Data Science Research Center

The center impacts broad communities of science, engineering, medicine, policy and business by devising transformative algorithms, tools, and methodologies for data analytics. Its critical mission is to transform massive raw data into valuable information and merit through statistical learning and knowledge extraction.

Global Health Research Center

Duke Kunshan's first research center was established in collaboration with the Duke Global Health Institute to address health issues in China and across Asia. The center's program is closely tied to the public health needs of the Chinese population and focuses research efforts in three key areas: chronic disease, environmental health, and health policy and systems.

Environmental Research Center

An independent research institution that integrates research and educational programs on environmental science and policy. The center facilitates research that addresses the pressing environmental challenges in China, to create synergies with the iMEP program, and to build a flexible, interdisciplinary program that supports research in both the social and natural sciences.

Center for the Study of Contemporary China

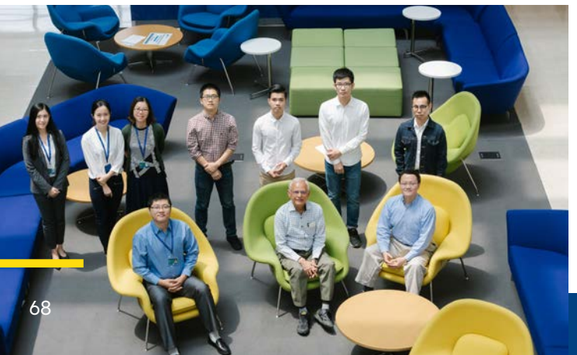
The institutional and intellectual home for focused scholarly engagement with contemporary China at Duke Kunshan. This center seeks to advance world-class research and teaching on society, politics, and economy of contemporary China and, in so doing, contribute to the international reputation of this unique global liberal arts university.

Humanities Research Center

This center promotes research and creative expression in the arts and humanities, and encourages interdisciplinary efforts. Working closely with Duke's Franklin Humanities Institute, the center functions as a key research bridge between faculty and students at Duke and Duke Kunshan. In addition, it facilitates co-curricular research training, treating the entire Duke Kunshan campus as a laboratory for humanities research.

Zu Chongzhi Center for Mathematics and Computational Sciences

The center's vision is to become a world-renowned focal point for disciplinary and interdisciplinary research in mathematics and computational sciences. In a world where computational approaches to problem solving are becoming more powerful and increased in scope, mathematics provides a solid foundation. The center aims to increase the impact of mathematics and computational sciences by increasing the synergies of these two fields with other disciplines, engaging in world-class research, pursuing applications of research results, addressing pressing societal needs, and bringing together top scientists and mathematicians to work together on problems of common interest.



RESEARCH HIGHLIGHTS



AI expert wins 1.5 million RMB for autism research

A team led by prize-winning computer scientist Ming Li received a 1.5 million RMB grant from the Guangzhou Key Area R&D Program to conduct further research into artificial intelligence technologies that can diagnose and treat autism.



SMIIP Lab triumphs at online Interspeech 2020

A speech recognition system designed by DKU researchers won two awards at Interspeech 2020, the world's largest conference on speech processing and application. The system received first place in the speaker identification research task and third place in the speech activity detection task, beating teams from Germany's Paderborn University and mobile phone company Vivo, among others.



Duke-DKU team receives $1.2 million grant from the Gates Foundation for TB research

A Duke-DKU research team led by professor Shenglan Tang received a three-year, $1.2 million grant from the Bill and Melinda Gates Foundation to monitor and evaluate the implementation of a new comprehensive model of tuberculosis care and control in China.



Mobile health app eases burden for stroke patients, doctors in rural China

A mobile app designed for stroke patients and doctors in rural China led to significant improvements in patients' blood pressure and physical activity, reducing the risk of hospitalization, disability, and death, according to research led by global health professor Lijing L. Yan. SINEMA, an integrated mobile health intervention, used a specially designed Android-based app that provided data support to village doctors and sent patients regular reminders and advice on taking medicine and exercise.



Study reveals worrying implications of warming Western Antarctic Peninsula waters

Research led by environmental scientist Yajuan Lin revealed that warming waters and shrinking sea ice along the Western Antarctic Peninsula have altered the makeup of microscopic sea life there, causing changes in the region's plankton communities that may have important climate implications.



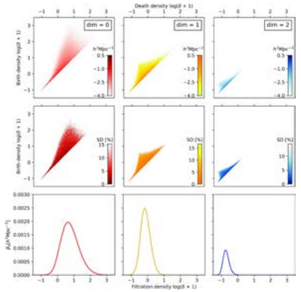
Using digital media to combat alienation

As screens dictate much of the way we interact with the world today, art historian Jung Choi works with digital media and augmented reality to create visual interfaces that return users to the physical world and allow people to interact and experience their surroundings in new, exciting ways.



DKU undergraduate accepted into elite marine conservation research program

Catherine Brenner, Class of 2022, earned a coveted spot on the Rachel Carson Scholars Program, which provides Duke undergraduate students with research experience and mentoring in marine science and conservation. Based at the Duke University Marine Lab, the program involves directed research with a faculty mentor that builds to a senior thesis. Participants can also apply for up to $2,500 in research funding and take part in professional scientific conferences.



Study reveals the multiscale topology of the cosmic web

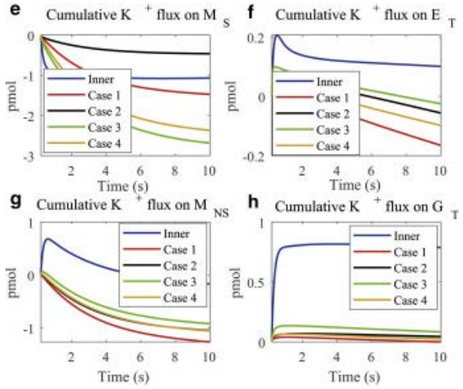
The cosmic web, a collection of interconnected filaments of galaxies separated by giant voids, forms the backbone of the universe. An international team of astronomers and mathematicians including Prof. Konstantinos Efstathiou in the Zu Chongzhi Center for Mathematics and Computational Sciences probed the structure of the cosmic web in ΛCDM simulations from the early universe until the present time. Using topological data analysis, they established the link between the multiscale topology of the cosmic web and the gravitationally driven hierarchical buildup of cosmic structure.

A deeper read into integrated digital humanities

Writing in the International Journal of Digital Humanities, art historian and visual studies scholar Jung Choi provides a more extensive and sustainable approach to practicing digital humanities by incorporating arts that bring imaginative and creative experiential encounters and, further, suggest a mode of deep reading. More specifically, the study shows how augmented reality can be used as an alternative research interface in digital humanities, providing phenomenological and embodied experiences for users by encouraging them to physically experience heritage sites equipped with historically and critically informed virtual information.

A tridomain model for potassium clearance in optic nerve of Necturus

The central nervous system accumulates waste in tiny spaces between cells as thousands of signals move in billions of nerve cells every second. Potassium is a dangerous waste because it can paralyze nerves and even kill them. Potassium moves as fluid flows and as it diffuses and migrates in electric fields. A study by Prof. Shixin Xu in the Zu Chongzhi Center for Mathematics and Computational Sciences and his collaborators describes glia, nerve cells, and extracellular space of optic nerves by unavoidable partial differential equations and shows that potassium poisoning is prevented (mostly) by fluid flow through glia. They suggest that other wastes in the brain are removed by fluid flow through the glia as part of the glymphatic system. Mathematics shows how glia pathways help "cleanse the brain" so it can keep on working for many years.





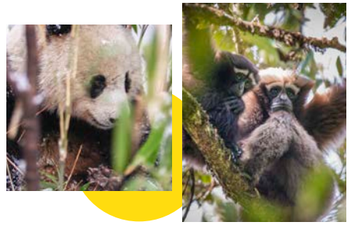
Faculty, student researcher publish paper on compensating living kidney donors

Philosophy scholar Kyle Fruh and undergraduate student Ege Duman, Class of 2022, published a paper on compensation for living kidney donors in which they argue that non-compensating benefits – not controversial cash payouts – offer a morally promising avenue for increasing donation rates and addressing the undersupply of organs.

Data science student's passion for computing leads to first published research

In his sophomore year, Eric Qu, Class of 2024, was the lead author of a research paper published in the American Chemistry Society's journal Macromolecule that looked into the properties of polymer nanocomposite, organic materials that gain additional properties, such as greater strength, when inorganic nanoparticles are added.





Ongoing research highlights gaps in China's biodiversity conservation coverage

China has made great strides in biodiversity conservation, but a focus on broad targets for protected areas has left some species neglected and under threat of extinction. Findings by environmental scientists including Binbin Li suggest policymakers should pay more attention to threatened and small-range species in temperate and tropical forest ecosystems.

THE CAMPUS

Blending Traditional Chinese Elements with Advanced Technology

Our dynamic approach to curriculum design and academic divisions carries over into the university's grounds and interior areas. Built over four strategic phases, every detail of our modern, spacious campus has been designed to inspire new ideas and innovations. The range of high-tech workspaces and creative settings around campus provides endless opportunities for highly productive, interdisciplinary interactions among students, faculty, and staff.

A RICH ECOLOGICAL SETTING

Nestled in more than 200 acres of native wetlands, water is infused into Duke Kunshan's identity. Our many sustainable water features contribute significant beauty to our campus and reflect the natural and cultural context of the local Jiangnan region. A large central lake, landscaped gardens, wetlands, and waterways provide a rich habitat for aquatic flora and fauna, and community spaces for recreation and respite. Terraces, pavilions, and other spaces across the campus offer majestic water views and a distinctive experience aligned with the centuries-old traditions of local Chinese water towns.



LEED Certified

As the first Chinese university to receive LEED (Leadership in Energy and Environmental Design) Gold certifications from the U.S. Green Building Council, DKU is a model for state-of-the-art, sustainable design in China.

Low-Carbon and Sponge Campus

Built to leverage the native wetland terrain, DKU's design integrates energy-saving approaches such as daylight, solar shading, passive cooling, and natural flood controls informed by centuries of local climate data.

Walkable and Connected

Vehicle-free, open space plays an important part in our campus plan. Roadways are located along the campus perimeter, creating a pedestrian-friendly environment designed for learning and living. A series of outdoor open spaces and courtyards, connected by bridges and paths, guarantee key destinations on campus are within a 10-minute walk.







A CAMPUS FOR THE FUTURE

Phase II Expansion

A bird's eye view of Duke Kunshan Phase II, which will double the size of the current campus to include new classrooms, laboratories and more. The Phase II construction project began in January 2020 is scheduled to be completed in 2022.



Rendering