

## Graduate and Advanced Education

AY 2021-22 marked another extraordinary year of milestones achieved and new precedents set for graduate and advanced education at NYU Shanghai. Enabling this success were the efforts and dedication of countless faculty and staff from all across the university who persevered notwithstanding the ongoing challenges presented by the pandemic.

New initiatives to launch in 2021-22 included a joint PhD program in Public Administration with NYU Wagner and semester study programs with NYU SPS and NYU Tandon. Meanwhile, NYU Shanghai's 7 existing master's degree programs and 11 PhD programs continued their upward trajectory. Close to 50 NYU Shanghai faculty taught graduate courses while more than 20 faculty supervised PhD students.

NYU Shanghai's Third Annual Graduate Convocation celebrated the graduation of 122 PhD and master's graduates including the first-ever PhD graduates in Neural Science and Physics. In June 2022, the inaugural cohorts of the NYU Shanghai - NYU Stern Master of Science programs in Marketing & Retail Science and in Organization Management & Strategy were enrolled.

Finally, in the last year of the Go Local program, close to 600 NYU New York graduate students from more than 20 programs made their home at NYU Shanghai, studying at the WeWork Shinmay campus in Fall 2021, and the Century Avenue academic building in Spring 2022.

Throughout the year, the Office of Graduate and Advanced Education provided leadership and committed to the following priorities:

- Strengthening NYU Shanghai's collaboration with peer NYU New York schools and departments
- Pursuing world-class excellence in all of its initiatives
- Placing the success of students and faculty first
- Building community across graduate programs and bridges between graduate and undergraduate students at NYU Shanghai
- Engaging in service to the city of Shanghai that promotes the public good through partnering with local social impact institutions
- Fostering a culture of individual responsibility for the health and safety of others and a spirit of resilience in the face of changes necessitated by COVID

## The Entering Class of 2021

The following infographic provides a snapshot of the 194 students who were admitted to NYU Shanghai master's and PhD programs in Summer and Fall 2021. The entering class represented an increase of 24 percent over last year's entering class of 157 students. Since 2015, graduate students at NYU Shanghai have hailed from 16 countries and regions around the world.

### **NYU Shanghai Graduate Students in the Entering Class of 2021**



**194** students

**20-62** age range

**30%** of students are 25+

**10%** are former NYU or NYU Shanghai undergraduates

**25** Chinese provinces represented



**46% / 54%**

Male / Female



**41%**

Bring prior work experience



**36% / 64%**

Chinese universities / universities outside China



**10**

Students hold undergraduate degrees from universities in 10 countries/regions

## New Programs

- PhD Program in Public Administration

In November 2021, NYU Shanghai announced a new **PhD program in Public Administration**, offered with the NYU Wagner Graduate School of Public Service. The new program is the university's eleventh doctoral offering and follows the model of other NYU Shanghai PhD programs with coursework in New York, research pursued in Shanghai, and a generous package of financial aid through the NYU Shanghai Doctoral Fellowship.

The Public Administration program is designed for students with a special interest in urban planning and policy. Students will be able to utilize advanced technology such as big data and artificial intelligence to explore digital urban transformation. In Shanghai, students will be able to participate in the research of the Shanghai Key Laboratory of Urban Design and Urban Science at NYU Shanghai, the Center for Applied Social and Economic Research (CASER), and the Center for Data Science and Artificial Intelligence, and access the abundant resources of the Center for Global Asia.

- Semester Study Programs

Through a partnership between NYU Shanghai and NYU New York, newly admitted master's students in three NYU School of Professional Studies and NYU Tandon School of Engineering programs will have the opportunity starting in Fall 2022 to spend their first semester taking in-person coursework at NYU Shanghai. The three programs are:

- NYU SPS Master of Science in Integrated Marketing
- NYU SPS Master of Science in Management & Systems
- NYU Tandon Master of Science in Management of Technology

The new **semester study program** is evolved from the Go Local program, yet differs in that students will be enrolled full-time, taking a curated set of 3-4 courses on campus, and be fully integrated within the NYU Shanghai community. The program also takes inspiration from NYU Shanghai's long-time undergraduate "study away" program.

Participating students will enjoy a special cohort-based experience across Shanghai and New York that only a university like NYU with its global presence can provide. Following their first semester in Shanghai, students travel to New York for the remainder of their degree. 103 students are registered for the program in Fall 2022.

## Go Local Program

In Fall 2021 and Spring 2022, NYU Shanghai hosted 586 graduate students from more than 20 NYU New York graduate programs through the **Graduate Go Local program**. The graduate students represented the following schools:

- Courant Institute of Mathematical Sciences
- Center for Urban Science & Progress
- Tandon School of Engineering
- School of Professional Studies
- School of Global Public Health



More than 20 professors taught close to 40 courses in the Go Local program, including NYU Shanghai faculty, NYU New York faculty who relocated to Shanghai, and adjuncts. Students split their year between the WeWork Shinmay campus in Fall 2021 and the Century Avenue academic building in Spring 2022.

## Master's Programs

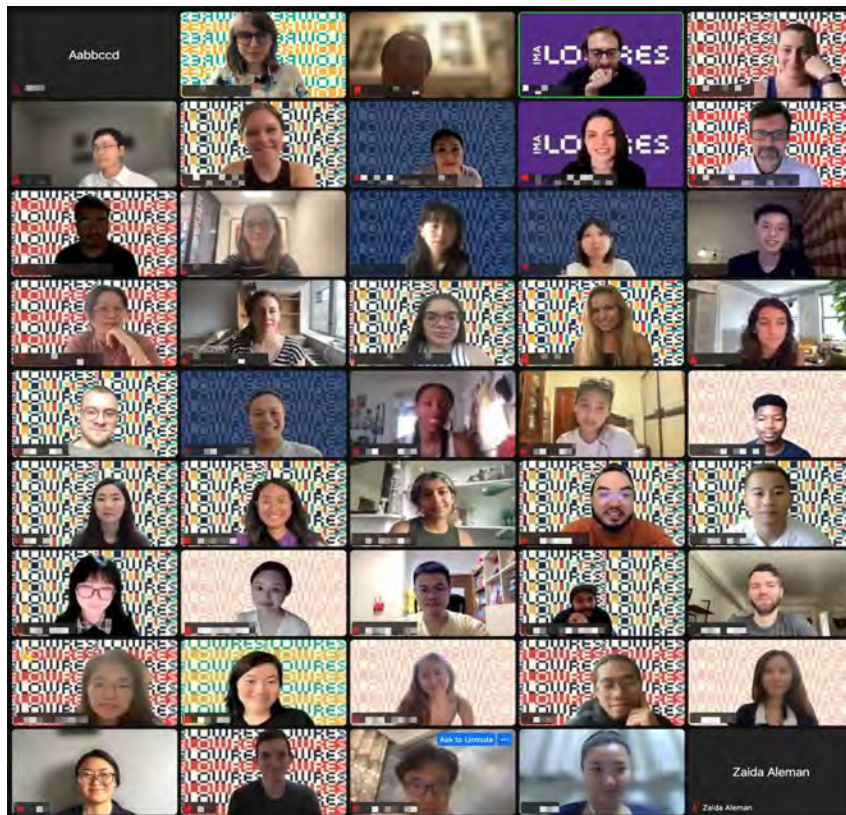
- NYU Shanghai - NYU Tisch MA in Interactive Media Arts

In July 2022, NYU Shanghai celebrated the graduation of 33 students making up the second cohort of the **Master of Arts program in Interactive Media Arts (Low Res)** with the NYU Tisch School of the Arts. As part of their graduation, the IMA program organized an online Thesis Show from June 23 to June 24, with student projects spanning a wide

spectrum of innovative ideas in VR/AR, machine learning, digital music, ecological sustainability, product design, wearables, games, and performing arts that showcased learning acquired over the past year. Four NYU Shanghai IMA faculty taught courses in the Low Res program.

Students in the second cohort also distinguished themselves through participation in community engagement activities across Shanghai and New York. In Shanghai, IMA Low Res students **Danni Wang**, **Jesse Yu**, and **Xiaoxuan Jiang** took part in the “Singularity” project, jointly initiated by NYU Shanghai and the Guangzhou Academy of Fine Arts. The program also organized group visits to teamLab Borderless, UCCA Edge Museum, and Shanghai Drama Arts Center, where students observed the creation process behind different types of arts and established connections with professional artists in the industry.

In July 2022, 31 students were admitted as the third cohort, many of whom are working professionals in industries such as digital music, theater, game design, and animation, among others. Commencing their study in New York with a Summer session, the students held an end-of-term show on August 13 and are expected to graduate in Summer 2023 following an in-person module at NYU Shanghai. Over their 12 months in the program, they will study the production, application, and understanding of interactive media for creative expression and critical engagement.





- NYU Shanghai - NYU Stern MS Programs

In May 2022, 107 students comprising the third cohort of NYU Shanghai - NYU Stern Master of Science students earned their degrees, with 43 in the **Data Analytics & Business Computing (DABC)** program and 64 in the **Quantitative Finance (QF)** program. Among the graduates were two alumni of NYU Shanghai's undergraduate program. The 107 graduates are now embarking on promising careers with companies from HSBC, Apple, Discover, FNZ, Huatai Security, Deloitte, EY, KPMG, PwC, Nike, and GF Securities, among others.

Nine NYU Shanghai business faculty taught courses for the Class of 2022. The programs also featured corporate engagement with partners such as AIG, Appen, CICC, CITIC, Disney, GE Power, Gucci, HSBC, Ping An, VF, Visa, and XY Investments, among others. These companies sponsored capstone projects, guest seminars, and corporate visits to enrich the students' academic experience.

In April 2022, **Yongquan Sun**, MSQF '22, was selected for recognition as an "AACYF Top 30 under 30." The annual selection was organized by the All America Chinese Youth Federation (AACYF), LA Post, and the Chinese American Institute for Public Diplomacy in Los Angeles. The student credited his award to what he learned in the MS QF program and the strong network he developed during his study.

In June 2022, 123 new students enrolled as the fourth cohort of NYU Shanghai - NYU Stern MS students. The cohort included for the first time students in the **Marketing & Retail Science (MRS)** program and the **Organization Management & Strategy (OMS)** program. Overall, the cohort consists of 26 DABC students, 26 MRS students, 27 OMS students, and 44 QF students. The Class of 2023 began their summer study at Stern in New York and will transition to NYU Shanghai from September 2022 through May 2023. The students bring a diversity of educational backgrounds to their program, with undergraduate degrees from universities all around the world, including in Australia, Canada, China, France, Japan, Ireland, the United Kingdom, and the United States. Their undergraduate majors range from STEM subjects to Economics, Finance to Accounting, Communications to Marketing and Humanities / Social Science subjects.

For the Class of 2023, Professor of Practice in Management and Strategy **Jing Chen** and Assistant Professor of Practice in Marketing **Rayn Wang** are new full-time faculty appointed



to the MS programs. They will serve respectively as capstone directors of the OMS and MRS programs and also teach non-capstone courses in the curriculum.

In the past four years, close to 2700 applications have been submitted for admission to the NYU Shanghai - NYU Stern MS programs.



- NYU Shanghai - NYU Steinhardt MA in TESOL

NYU Shanghai's **MA in TESOL**, jointly offered with the NYU Steinhardt School of Culture, Education and Human Development, continued to achieve new heights into its fifth year. In May 2022, 11 students in the third cohort graduated. The fourth cohort, admitted in Summer 2021 and expected to graduate in May 2023, consists of 30 students and represents the largest class ever. For the first time, the program was divided into two sections to accommodate the increased population.

TESOL students make up a diversity of backgrounds, hailing from a wide range of local schools, both domestic and international; educational institutions, both public and private; and all levels of English instruction, from kindergarten to high school, adult learners to online platforms. In the 2021-22 academic year, a number of students were recognized for their scholarly achievements, including earning First Prize in a research paper contest and publishing articles in well-respected journals.

Capstone projects this year exemplified the diversity of the graduating class and their intellectual interests. They included: an investigation on language socialization of Chinese international students studying in Canada; a study on English for special purpose research at law schools in China; an examination of connections between language development and the family environment of Chinese Americans; a comparison of L3 Spanish early learners in a Shanghai preschool; and an analysis of students' perceptions of using student-generated translation exercises to consolidate vocabulary knowledge.

From January 16 to 21, 2022, the program held its first-ever TESOL Week, a public series of academic presentations and discussions concerning trending topics in language education, aiming to illuminate new insights and engage audiences globally. Program Director **Kentei Takaya** opened the event with a lecture titled Becoming a Researcher in the Classrooms. Professors **Robin Harvey**, **Frank Tang**, **Miriam Eisenstein Ebsworth**, and **Erica Saldivar Garcia** also featured, their sessions covering a range of subjects, from humanistic approaches to English teaching, the difference between English and bilingual education, and the Action Through Words (ATW) platform. The event drew an online audience of over 400 from inside and outside China.

In June 2022, 17 students enrolled in the program as the fifth cohort. Over the course of their two years in the program, they will take courses such as Teaching World Languages: Theory and Practice, Structure of American English, Linguistic Analysis, and Second Language Acquisition, among many others. They will be expected to graduate in May 2024.





- NYU Shanghai - NYU Silver Master of Social Work

NYU Shanghai's **Master of Social Work** program, jointly offered with the NYU Silver School of Social Work, completed its seventh academic year. In Spring 2022, 17 students from the program's sixth cohort graduated.

The program's seventh cohort admitted in Fall 2021 consists of 16 students who were based at NYU Shanghai from August 2021 to May 2022. In addition to their on-campus coursework, MSW students completed thousands of hours of off-campus fieldwork at local agencies and social organizations. These included: Essential Learning Group, Shanghai Mental Health Center, Shanghai Children's Medical Center, Shanghai United Foundation, and Shanghai No. 9 People's Hospital, among others. Their service exemplifies the university's steadfast commitment to making a contribution to the social development of Shanghai.

In June 2022, the MSW program, in collaboration with the Institute for Human-Animal Connection at the University of Denver Graduate School of Silver Work, hosted an online continuing education workshop titled Introduction to Human-Animal Interactions in Social Work Practice. The class examined human-animal interactions in clinical, community, and macro settings, with an emphasis on cultural and social justice issues. The session, offered on a complimentary basis and with simultaneous interpretation, allowed licensed social workers to accrue CE credits and attracted 50 attendees around the world who participated

online. The MSW program expects to regularly offer such CE workshops in the future, broadening its reach beyond enrolled students.

As for additional programming, the MSW program is continuing its planning for a one-day conference on healthy aging with NYU Silver, NYU Steinhardt, and the NYU Aging Incubator. Delayed since 2020 due to the pandemic, the conference is now expected to take place in Spring 2023. The conference is being supported by a grant from the NYU Shanghai Conference Fund.

Professor **Minchao Jin** delivered a keynote speech titled Train Financial Social Workers to Strengthen Financial Resilience at the 2022 China Financial Literacy Education Forum. The event, streamed on multiple platforms, drew over 2.65 million views. It spotlighted individual financial health, a subject that has become increasingly important due to China's recent economic slowdown.

In September 2022, 13 new students were admitted and enrolled as the eighth cohort and Class of 2024. Studying alongside them in AY 2022-23 will be two part-time pathway, second-year students.



Students in all of NYU Shanghai's joint master's programs are taught by faculty of both NYU Shanghai and our New York partner schools, and receive New York University degrees, issued in New York, with diplomas that feature the names of both NYU Shanghai and our New York partners. Upon graduation, students in these programs have status as alumni of both NYU Shanghai and our New York partners.

### Doctoral Programs

NYU Shanghai now offers opportunities for PhD study and research in 11 disciplines: **Biology, Chemistry, Computer Science, Data Science, Electrical Engineering, Mathematics, Neural Science, Physics, Sociology, and Transportation Planning & Engineering, and Public Administration.** In all of the programs, enrolled students are advised by and work directly with NYU Shanghai faculty, conducting their research on campus, and funded by the NYU Shanghai Doctoral Fellowship program. Upon graduation, students earn a PhD degree awarded by New York University.

Since the first cohort of PhDs was admitted in Fall 2015, total enrollment has grown to 50 students, with 1 in Biology, 11 in Chemistry, 12 in Computer Science, 2 in Data Science, 1 in

Electrical Engineering, 3 in Mathematics, 9 in Neural Science, 4 in Physics, 2 in Sociology, and 5 in Transportation. These students are supervised by more than 20 NYU Shanghai faculty advisors. Current research projects run the gamut of scientific inquiry, looking at topics relating to drug design, protein interactions, audio signal processing, optimization, multi-scale modeling, probability theory, motor-sensory transformation, social inequality, and intelligent transportation systems, among many others.

In January 2022, **Xiaoyue Zhu** became NYU Shanghai's first-ever PhD graduate in Neural Science. She was supervised by Professor **Jeffrey Erlich** and is now a Data Scientist at GoGuardian. Also graduating in January 2022 was **Yiming Zhang** in Computer Science. He was supervised by Professor **Keith Ross** and is now a Research Scientist at Lyft. Upcoming September 2022 graduates are **Yanqiu Wu** in Computer Science and **Marek Narozniak**, NYU Shanghai's first in Physics. Wu has been supervised by Professor Keith Ross and will begin a post-doctoral fellowship at CSIRO in Australia focusing on quantum machine learning for cyber security. Wu was a member of NYU Shanghai's inaugural undergraduate Class of 2017. Narozniak has been supervised by Professor **Tim Byrnes**.

In August 2022, rising 3rd-year PhD students **Xiaoai Lu** and **Dominikus Brian** were selected as student representatives sitting on the Organizing Committee of the Interdisciplinary Colloquium (IDC), a new NYU Shanghai Provost-backed initiative that aims to facilitate interdisciplinary interactions among STEM faculty, bring together people with different backgrounds, and brainstorm new research projects. In addition to Xiaoai and Dominikus, the Organizing Committee consists of 5 NYU Shanghai faculty members, two administrators from the Office of Graduate and Advanced Education and Office of Research, and one student from the NYU Shanghai - ECNU joint training graduate program. The Organizing Committee will plan and organize all IDC activities, inviting distinguished internal and external speakers, promoting events to the university community, and furthering the future development of the IDC.

In Summer 2022, a new cohort of 13 PhD students was enrolled, representing 4 countries: China, US, Poland, and Ireland. Their research areas span 6 fields, including Chemistry, Computer Science, Data Science, Physics, Sociology, and Transportation Planning & Engineering. Among them, 5 students had prior connections to NYU Shanghai through undergraduate study, RA experience, or study-away participation. The cohort of 13 matches the entering Class of 2020 as NYU Shanghai's largest-ever admission.

In recent years, NYU Shanghai PhD students have published papers in leading journals and participated in various academic fora, including with the *Journal of Chemical Physics*, *International Journal of Modern Physics*, *Physics Review Letters*, the Conference on Neural Information Processing Systems, International Conference on Machine Learning,

International Conference on Quantum Technologies, AAAI Conference on Artificial Intelligence, and so forth.

Throughout the year, NYU Shanghai's PhD programs contributed to working groups based at NYU New York on matters such as building community across all NYU doctoral programs, professional development for PhD students, and alumni placement tracking.

### Research Fellowship Programs

NYU Shanghai hosted 6 research fellows through the **NYU Shanghai Graduate Dissertation Fellowship** and **NYU Provost Office Global Research Initiatives Fellowship** programs. Fellows consisted of graduate students from NYU New York who visited NYU Shanghai for short-term research. This year's fellows were:

- Tianyuan Deng, PhD Candidate, NYU GSAS / Institute of Fine Arts
- Shiyuan Hu, PhD Candidate, NYU GSAS / Department of Physics
- Guanchun Li, PhD Candidate, NYU GSAS / Department of Math (Courant Institute)
- Yishuang Li, PhD Candidate, NYU GSAS / Department of Politics
- Kaizhe Wang, PhD Candidate, NYU GSAS / Department of Physics
- Yuhang Zhu, PhD Candidate, NYU GSAS / Department of History

Research fellows participated fully in academic life at NYU Shanghai, working directly with NYU Shanghai faculty, taking part in seminars, and extending the range of scholarship represented on campus.

Projects in this academic year included, among others: the construction of a thermal convection system; a design of low Reynolds number mechanical swimmers; and an analysis on recent judicial reforms in China.

### Graduate and Advanced Education Faculty

NYU Shanghai made the following new full-time faculty appointments in Graduate and Advanced Education:

- Jing Chen, Professor of Practice in Management & Strategy and MS OMS Capstone Director
- Aaron Wang, Associate Professor of Practice in Real Estate and Civil Engineering and Academic Director, Institute for Cities and Real Estate in Emerging Markets

- Rayn Wang, Assistant Professor of Practice in Marketing and MS MRS Capstone Director

Between Summer 2021 and Summer 2022, 46 faculty at NYU Shanghai taught graduate courses.

Bruno Abrahao	Anna Greenspan	Han Shen Lin	Christina Wang
June Bu	Christian Grewell	Paul Lin	Nicole Wang
Justin Cappos	Xianbin Gu	Xin Liu	Sean Wang
Lisa Chang	Li Guo	Yiqing Lv	Tongquan Wei
Jonathan Chao	Yajun Ha	Eric Mao	Bryce Whitwam
Manuel Charlemagne	Grace Haaf	Laurent Menard	Qian Xie
Guodong Chen	Yanli He	J.H. Moon	Lihua Xu
Rodolfo Cossovich	Minchao Jin	Eric Parren	Qingwen Xu
Yue Dai	Cameron Johnson	Ying Rong	Renyu Zhang
Stavros Didakis	Tim Klatte	Carly Siuta	Jie Zhuang
Jiayi Du	Siran Li	Kentei Takaya	
Joel Gallo	Ming Liao	Laurie Underwood	

### NYU Shanghai Third Annual Graduate Convocation

On May 29, 2022, NYU Shanghai held its **Third Annual Graduate Convocation** to celebrate the graduation of 122 PhD and master's graduates from six programs: Doctor of Philosophy in Computer Science, Doctor of Philosophy in Neural Science, Doctor of Philosophy in Physics, Master of Arts in Teaching English to Speakers of Other Languages (TESOL), Master of Science in Data Analytics & Business Computing (MS DABC), and Master of Science in Quantitative Finance (MS QF).

The live online event featured messages from NYU Shanghai Chancellor **Shijun Tong**, Vice Chancellor **Jeffrey Lehman**, Provost **Joanna Waley-Cohen**, NYU GSAS Dean **Lynne Kiorpes**, NYU Steinhardt Dean **Jack Knott**, and NYU Stern Dean **Raghu Sundaram**. All graduates' names were read aloud by Dean of Graduate and Advanced Education **Eric Mao**, Professor and Program Director of TESOL **Kentei Takaya**, Professor and Capstone Director of MS DABC **Ming Liao**, and Professor and Capstone Director of MS QF **Han Shen Lin**.



Student speakers **Jin Ye**, MA '22, and **Yao Yao**, MS '22, represented the TESOL program and the NYU Shanghai - NYU Stern master's programs. The following graduates received program awards for excellence:

- Sheng Feng, MA TESOL '22
- Lichen Zou, MA TESOL '22
- Letian Kong, MS DABC '22
- Mingqi Pu, MS QF '22



### Community Engagement Initiatives

In February 2022, the Office of Graduate and Advanced Education, in collaboration with the Shanghai Glass Museum, held a series of youth public education events. **Yao Yao**, MS QF '22, **Ziqing Ma**, MA TESOL '23, **Shengsen Ni**, MA IMA '22, and **Yun Tong**, MS DABC '22, delivered bilingual sessions on American popular culture and higher education. Their classes aimed to broaden the horizons of Shanghai youth during a time when international travel is still limited and promote ideas of mutual understanding and diversity.



The Office of Graduate and Advanced Education is committed to social responsibility, service, and the valuable extra-curricular learning that students gain through participation in community engagement. With more initiatives scheduled in the coming new academic year, graduate students will be encouraged to step outside the classroom and create social impact beyond NYU Shanghai's campus while simultaneously cultivating the skills and values of good citizenship.