About NTU - World’s Top Young University

A research-intensive public university, Nanyang Technological University, Singapore (NTU Singapore) has 33,000 undergraduate and postgraduate students in the colleges of Engineering, Business, Science, and Humanities, Arts and Social Sciences, and the Interdisciplinary Graduate School.

Meteoric rise in international academic reputation

In 2017, NTU placed 11th in the world and ranked best in Asia in the Quacquarelli Symonds (QS) World University Rankings. It was again named the world’s best young university (under 50 years old) by QS for the fourth consecutive year in 2017 as well. In addition, NTU was named the world’s fastest rising young university by Times Higher Education in 2015.

Innovative learning

In higher education, NTU is driving new pedagogies so that millennials can learn more effectively in this digital age. Innovative education initiatives include signature programmes such as NTU-University Scholars Programme, Renaissance Engineering Programme and CN Yang Scholars Programme. Designed for high-achieving students, these programmes offer a multidisciplinary curriculum, guidance by top faculty, interdisciplinary and intensive research opportunities, overseas exposure, as well as, dialogues with world-class experts and industry leaders.
Collaborations with academia and internationalisation

NTU actively pursues partnerships with top universities and runs joint and dual PhD degree programmes with well-established universities. Some of its key partners in academia and research include Imperial College London, Technical University of Munich, and University of California, Berkeley.

A cosmopolitan international university, NTU has more than 100 nationalities studying at its campus. With more than 300 academic partners, international exchange students are a common sight on its sprawling campus grounds.

NTU believes in the benefits of global exposure and immersion for its students, and therefore, aims to have at least 8 in 10 undergraduates attend an academically-related programme overseas at least once during the course of their studies.

This can be through student exchanges, summer programmes, field trips, research attachments, internships and industrial attachments, competitions, conferences, and more.

The Nanyang Technological University – University Scholars Programme (NTU-USP) is committed to providing an intellectually stimulating environment for students to explore the realms which complement each student’s major areas of study.

Our programme takes a holistic approach where classes are delivered in small groups, with maximised interaction and engagement. NTU-USP students consider fundamental questions about arts, culture and science from interdisciplinary perspectives, and are exposed to exciting opportunities arising from our unique curriculum. Global focus is a particular feature of NTU-USP, with travel components encouraging proactive international citizenship and diversity. The Travel Overseas Programme for Scholars (TOPS) offers all freshmen a chance to participate in fieldwork and documentation in a regional country. With the NTU-USP Study Abroad programme, students have the opportunity to spend a semester or more at any of the NTU-USP partner Universities. Additionally, we offer summer programmes and electives which provide students opportunities to venture beyond Singapore’s shores. Students graduate with broad perspectives and experiences that prepare them well for the challenges and opportunities in the ever-changing world.

We welcome you to be part of the unique NTU-USP community.

Professor May O. Lwin
Director,
Nanyang Technological University – University Scholars Programme

Credit: Hufton and Crow

Director’s Message

The Nanyang Technological University – University Scholars Programme (NTU-USP) is committed to providing an intellectually stimulating environment for students to explore the realms which complement each student’s major areas of study.

Our programme takes a holistic approach where classes are delivered in small groups, with maximised interaction and engagement. NTU-USP students consider fundamental questions about arts, culture and science from interdisciplinary perspectives, and are exposed to exciting opportunities arising from our unique curriculum. Global focus is a particular feature of NTU-USP, with travel components encouraging proactive international citizenship and diversity. The Travel Overseas Programme for Scholars (TOPS) offers all freshmen a chance to participate in fieldwork and documentation in a regional country. With the NTU-USP Study Abroad programme, students have the opportunity to spend a semester or more at any of the NTU-USP partner Universities. Additionally, we offer summer programmes and electives which provide students opportunities to venture beyond Singapore’s shores. Students graduate with broad perspectives and experiences that prepare them well for the challenges and opportunities in the ever-changing world.

We welcome you to be part of the unique NTU-USP community.

Professor May O. Lwin
Director,
Nanyang Technological University – University Scholars Programme

Credit: Hufton and Crow
**Team**

**May O. Lwin** is Director of the NTU-University Scholars Programme (NTU-USP), Professor of the Wee Kim Wee School of Communication, and the Associate Dean (Special Projects) of the College of Humanities, Arts and Social Sciences. She currently teaches the NTU-USP core course, Fieldwork and Documentation/Travel Overseas Programme for Scholars (TOPS). For her outstanding work, she has received numerous important accolades, such as the prestigious Fulbright ASEAN Scholar 2015 Award, Ong Yew Foundation International Award for Academic Leadership 2014, and other grants and awards.

**Christina Chuang** is an NTU-USP faculty member, and Assistant Professor in the Philosophy Programme, School of Humanities. She received her PhD from the University of California, Irvine. Her research interests are in early modern philosophy, history of ethics, moral psychology, and classical Indian philosophy, and has been published in Synthese, Asian Philosophy, Sophia, and the Journal of Scottish Philosophy. She currently teaches Ethics, a core course exclusively offered to NTU-USP scholars.

**Melvin Chen** is an NTU-USP faculty member, and a Lecturer in Philosophy in the School of Humanities. He holds a BA in Literature (National University of Singapore), an MPhil in Ibsen Studies (University of Oslo), and a PhD in Philosophy (Cardiff University). He is a holder of the Sword-of-Merit from the Singapore Police Force. His philosophy, poetry, and paintings have appeared (or are due to appear) in Philosophical Psychology, Hypatia, Philosophy & Literature, The Southern Journal of Philosophy, LONTAR, Tipton Poetry Journal, Heartbeat, and Eunoia Review. His research interests include: creative cognition research, philosophy of AI, ethics and metaethics, aesthetics, philosophy of the imagination, feminist philosophy, non-Western philosophy, and the philosophy and literature movement. At NTU-USP, he currently teaches Key Problems & Puzzles in Contemporary Aesthetics, and will be offering new electives, such as Artificial Intelligence: History, Philosophy, & Prospects in the coming semesters.

**Justin Clark** is an NTU-USP faculty member, and Assistant Professor in the History Programme, School of Humanities. He holds a PhD in History from the University of Southern California. He is the author of City of Second Sight: Nineteenth-Century Boston and the Making of American Visual Culture (UNC Press, 2018) along with academic and non-academic essays published in the Journal of American Studies, New England Quarterly, American Journalism, Boston Globe, New York Times, and Los Angeles Times, among other venues. His research focuses on the cultural history of the 19th- and early 20th-century United States. In NTU-USP, he teaches Writing and Reasoning.

**Rebecca Nichols** is an NTU-USP faculty member, and a Lecturer in Psychology in the School of Social Sciences. She received her PhD in Psychology and Social Behavior from the University of California, Irvine. Her research interests include memory distortion and other cognitive errors, as well as, pedagogical challenges and innovations in higher education. Her work has appeared in Proceedings of the National Academy of Sciences, and Current Directions in Psychological Science. She currently teaches Quantitative Reasoning and TOPS, and is very involved in the programme’s student club activities. Outside of NTU, she is interested in dance, yoga, and arts and cultural workshops and events.

**Yvonne Lim** is Assistant Director of the NTU-University Scholars Programme (NTU-USP), Professor of the Wee Kim Wee School of Communication, and the Associate Dean (Special Projects) of the College of Humanities, Arts and Social Sciences. She currently teaches the NTU-USP core course, Fieldwork and Documentation/Travel Overseas Programme for Scholars (TOPS). For her outstanding work, she has received numerous important accolades, such as the prestigious Fulbright ASEAN Scholar 2015 Award, Ong Yew Foundation International Award for Academic Leadership 2014, and other grants and awards.

**Michael Walsh** is Deputy Director of the NTU-USP, Associate Professor of the School of Art, Design and Media, and fellow of both the Royal Society of Arts, and the Royal Historical Society. He currently teaches Culture and Conflict, a multidisciplinary elective offered to our NTU-USP scholars that explores the relationship between artistic production and social/political disorder. He is author and editor of numerous books on cultural heritage, music and art.

**Geraldine Song** is an NTU-USP faculty member, and Lecturer of English in the School of Humanities. She holds a PhD in English in the School of Humanities. She currently teaches Ethics, a core course exclusively offered to NTU-USP scholars.

**Melvin Chen** is an NTU-USP faculty member, and a Lecturer in Philosophy in the School of Humanities. He holds a BA in Literature (National University of Singapore), an MPhil in Ibsen Studies (University of Oslo), and a PhD in Philosophy (Cardiff University). He is a holder of the Sword-of-Merit from the Singapore Police Force. His philosophy, poetry, and paintings have appeared (or are due to appear) in Philosophical Psychology, Hypatia, Philosophy & Literature, The Southern Journal of Philosophy, LONTAR, Tipton Poetry Journal, Heartbeat, and Eunoia Review. His research interests include: creative cognition research, philosophy of AI, ethics and metaethics, aesthetics, philosophy of the imagination, feminist philosophy, non-Western philosophy, and the philosophy and literature movement. At NTU-USP, he currently teaches Key Problems & Puzzles in Contemporary Aesthetics, and will be offering new electives, such as Artificial Intelligence: History, Philosophy, & Prospects in the coming semesters.

**Christina Chuang** is an NTU-USP faculty member, and Assistant Professor in the Philosophy Programme, School of Humanities. She received her PhD from the University of California, Irvine. Her research interests are in early modern philosophy, history of ethics, moral psychology, and classical Indian philosophy, and has been published in Synthese, Asian Philosophy, Sophia, and the Journal of Scottish Philosophy. She currently teaches Ethics, a core course exclusively offered to NTU-USP scholars.

**Justin Clark** is an NTU-USP faculty member, and Assistant Professor in the History Programme, School of Humanities. He holds a PhD in History from the University of Southern California. He is the author of City of Second Sight: Nineteenth-Century Boston and the Making of American Visual Culture (UNC Press, 2018) along with academic and non-academic essays published in the Journal of American Studies, New England Quarterly, American Journalism, Boston Globe, New York Times, and Los Angeles Times, among other venues. His research focuses on the cultural history of the 19th- and early 20th-century United States. In NTU-USP, he teaches Writing and Reasoning.

**Rebecca Nichols** is an NTU-USP faculty member, and a Lecturer in Psychology in the School of Social Sciences. She received her PhD in Psychology and Social Behavior from the University of California, Irvine. Her research interests include memory distortion and other cognitive errors, as well as, pedagogical challenges and innovations in higher education. Her work has appeared in Proceedings of the National Academy of Sciences, and Current Directions in Psychological Science. She currently teaches Quantitative Reasoning and TOPS, and is very involved in the programme’s student club activities. Outside of NTU, she is interested in dance, yoga, and arts and cultural workshops and events.
NTU-USP Scholarship

The NTU-USP Scholarship is offered to top students with strong academic credentials. As an NTU-USP scholar, you can look forward to these generous benefits:

- **Full coverage of subsidised tuition fees** (after Tuition Grant)
- **Guaranteed hall residence with living allowance of up to S$6,000 per annum for all semesters, except for the semester of the NTU-USP Study Abroad Programme**
- **Settling-in allowance of S$250 (one-off)**
- **Participation in Scholars Orientation Programme, Scholars Award Ceremony, Outreach Programmes, and Eminent Speaker Series**
- **Travel grant of S$5,000 for an overseas programme (one-off)**
- **Full coverage of subsidised tuition fees** (after Tuition Grant)
- **Guaranteed hall residence with living allowance of up to S$6,000 per annum for all semesters, except for the semester of the NTU-USP Study Abroad Programme**
- **Settling-in allowance of S$250 (one-off)**
- **Participation in Scholars Orientation Programme, Scholars Award Ceremony, Outreach Programmes, and Eminent Speaker Series**
- **Travel grant of S$5,000 for an overseas programme (one-off)**

“I chose NTU because of the myriad of opportunities it brings me. Besides taking my home courses – Economics, I am also privileged to attend other multidisciplinary courses catered to my interest under NTU-USP. Along with that, I received a scholarship to spend a semester overseas in the United Kingdom, and was offered a position as an intern at a start-up company for one semester. By utilising the knowledge imparted from my courses to aid in the operations of the company, I eventually discovered my passion for social entrepreneurship. These learning experiences that I have gained have greatly shaped me as a person and supported me in the establishing of my ambitions and goals in life. It is through these wonderful opportunities offered by NTU-USP that I am able to recognise who I am, what I truly enjoy doing, why I do what I do, and in turn, ascertain what I wish to achieve in the future! In addition to the academic aspect, I am truly grateful for the tremendous support from the university faculty, staff, and my fellow peers, who never fail to bring splashes of colour into my university life!”

Siow Yu Jin
Year 2, Economics

“NTU-USP classes are conducted in a stimulating setting, where topics are discussed and content is directed in a thought-provoking way. During my time in NTU-USP, I was exposed to role-playing in a moot court session and took courses such as the Travel Overseas Programme for Scholars (TOPS), which offered me numerous opportunities to venture abroad to conduct research fieldwork; the opportunities given were endless.

While the interesting curriculum NTU-USP offered was what initially enticed me, the community at NTU-USP was what kept me going in the programme. Events and workshops organised by the NTU-USP club have created countless opportunities for us to interact with our peers and faculty members. This programme has added colour to my university life, and I am proud to call this tightly-knit community my home.”

Hui Vanessa Vann Zee
Year 2, Business with Strategic Communication

Proactive Global Citizenship

- **Priority for overseas programme**
- **Fully funded Travel Overseas Programme for Scholars (TOPS) in the freshman year**
- **Subsidised overseas travel opportunities for selected electives**
- **Heavily subsidised NTU-USP Study Abroad programme (one semester)**
- **Customised programme with the Career Attachment Office for early career planning**

No bond is attached to the NTU-USP Scholarship apart from the three-year bond applicable to all Singapore PRs and international students under the MOE Tuition Grant Scheme.
Writing Well. The textbook will be “Reasoning and Writing to Learn” and the secondary textbook will be “Writing to Learn.” Students will also reflect. Students will also engage students with historical and cultural issues on texts. These eighteenth to the twentieth century, major essay writers from the art of essay writing. This class will examine several influences, important works by thinkers who lived centuries ago, researchers, philosophers, and media production. The course is project-based, and students work in teams to go through the process of crafting their own subject matter, writing and storytelling, and documenting their findings using mixed media. Moreover, each time the course is taught, it will contain an overseas research trip that is central to the overall learning objectives and experiences. In addition to learning research methods, there will be opportunities to explore many disciplines outside their own domain of study. Class sizes are kept small to maximise interaction and foster creative discussions. The NTU-USP Curriculum is designed to be academically rigorous, intellectually daring, and stimulating. Students are required to take four core courses and select three or five elective courses from two academic categories.

### NTU-USP CORE

#### SP0001 Writing and Reasoning

This class will examine several major essay writers from the eighteenth to the twentieth century, which will work as models to learn about the art of essay writing. These texts will also engage students with historical and cultural issues on which to reflect. Students will also use two textbooks on writing and reasoning. The main textbook will be “Writing to Learn” and the secondary textbook will be “Reasoning and Writing Well.”

#### SP0002 Ethics

This seminar challenges students to think rigorously about morality. The first part of the course explores whether or not moral judgments can be objectively true. Then, they will examine several influential philosophical theories of morally right action. Throughout the term, students will be asked to construct and evaluate moral arguments. This will hone the student’s ability to reason about issues of moral concern. In this module, students will learn about the writings of thinkers who lived centuries ago, as well as, important works by contemporary philosophers. It will become apparent that intelligent people can disagree about moral issues, and that no one person’s moral views are beyond criticism. However, careful study will reveal that some views concerning morality are more credible than others. The student’s task will be to evaluate the various perspectives and form a reasoned judgment as to how the central questions of the course should be answered.

### NTU-USP Elective

#### SP0005 Quantitative Reasoning

This course consists of several parts. (1) Introduction: this introduces the fundamental ideas and challenges in problem-solving and decision-making, with an emphasis on the roles of qualitative reasoning and quantitative reasoning. (2) Quantitative Reasoning with Complexity: this introduces students to the problem-solving and decision-making process and the basic ideas and techniques in optimisation. (3) Quantitative Reasoning with Uncertainty and Risk: this studies the basic concepts and techniques in decision analysis. We will review the basics in probability and statistics and then introduce students to the basic ideas and techniques in decision analysis including utility theory. (4) Quantitative Reasoning with Conflict and Competition: this introduces students to decision-making with conflict and competition, and the basic concepts and techniques in negotiation and game theories. (5) Quantitative Reasoning in our Daily Life: this allows students to apply quantitative reasoning to the solution of real-life decision problems.

#### SP0007 Fieldwork and Documentation/Travel Overseas Programme for Scholars (TOPS)

This course aims to prepare and expose students to the various aspects of conducting a documentation project in the humanities, arts and social sciences. It allows students to explore the following areas: typical research process, research methods, information seeking, ethics, research writing, and media production. The course is project-based, and students work in teams to go through the process of crafting their own subject matter, writing and storytelling, and documenting their findings using mixed media. Moreover, each time the course is taught, it will contain an overseas research trip that is central to the overall learning objectives and experiences. In addition to learning research methods, there will be various content learning objectives as well.

---

**Esther Goh Hui Fen**

Year 2, Philosophy

"Prior to matriculation, I attended NTU conferences where I had the opportunity to interact with my seniors and professors. I found that the community was of high calibre and suited my learning style better than other universities. Hence, I made the decision to study Philosophy in NTU. Opportunity, I was offered an NTU-USP scholarship, to which I accepted because firstly, the lessons are taught in seminar style. This is especially useful because most concepts taught in liberal arts courses can only be grasped when one can successfully rephrase, anticipate objections, and defend them. Thus, I would deem debates and discussions the best way to learn. Secondly, the professors are extremely open to students pitching new ideas, which is favourable because I get to brainstorm independently. I take such independent learning and cultivation of one’s own considered opinion an invaluable gain from the curriculum. I also value the community in NTU-USP because controversial topics can be openly discussed, allowing us to voice out the reasons for our beliefs freely and in turn, gain a better understanding of one another.”
NTU–USP Electives

NTU–USP Curriculum (continued)

In line with the liberal arts ethos at NTU–USP, which seeks to develop well-rounded individuals with a general command of a diverse range of subjects, NTU–USP students are given the opportunity to explore electives outside their majors.

SP0012
International Trade

The course will cover the law of comparative advantage, the gains from trade, the Ricardian model, factor intensity and factor abundance, the Heckscher–Ohlin theory, factor-price equalisation, standard and alternative trade theories, product differentiation and intra-industry trade, technological gaps and product cycles, trade and economic development, import substitution versus export orientation, tariff and non-tariff barriers, theory of effective protection, instruments and impacts of trade policy, economic integration, customs unions and free trade areas, international factor movements, and multinational corporations.

SP0015
Understanding Science in the Media

This course teaches the basics of the scientific method, how the general public comes to understand science, and how to critically evaluate media representations of science. This course has three main learning objectives. First, students will learn about the scientific method, irrespective of academic discipline. Second, they will learn about public opinion research, and the role of public opinion in popular discourse and policymaking. Third, they will study representations of science in the media (e.g., news stories about scientific discoveries), and employ the tools for critical evaluation of media claim. After completing this course, students will have a clearer understanding of the scientific method, which will benefit them not only in their future coursework, but also their appreciation of knowledge. Students will understand broader social phenomena related to scientific discovery. They will learn that society and social change are inextricably linked with scientific discovery, and that public opinion can influence the social utilisation of science.

SP0017
The Changing Global Economy

This course provides an introduction to the current issues that impact consumers, businesses, and governments in the global economy. These include economic growth, stagnation, volatility, government policy, and international cooperation. Above and beyond inculcating factual knowledge, the course provides a sound background in macroeconomic and trade theory. The objectives are to equip students with: (1) understanding the basic principles of economics, (2) skills in applying economic theory to practical problems, (3) skills to undertake original economic research in a group project, (4) ability to articulate and debate economic issues in discussions, and (5) acquisition of knowledge about the world economy that relates to understanding future economic condition. The course proceeds from the study of the market economy to the national income, the circular flow, total demand, money and banking, and international economics. It includes discussions of economic problems, such as world health outcomes and the ageing population. Students will give presentations on an independent (group) research project, and there will be discussion sessions in which they will have the opportunity to demonstrate their understanding of the material covered in lectures and in the textbook.

“You would be hard-pressed to find an engineer — in any engineering discipline — in the NTU–USP, and it is not hard to see why. As NTU’s sole multidisciplinary liberal arts programme, it is a completely different academic domain from what engineers are used to. Nonetheless I enrolled in the programme with the goal of challenging myself, and I have not regretted my decision since. Of course, the journey has not always been smooth sailing. NTU–USP classes are intellectually stimulating, where discussions abound, and individual opinions are strongly encouraged. This constantly challenged me to step out of my comfort zone. But all these experiences have led to us becoming more holistic individuals. So, if you desire to challenge yourself to do more, know more, and be more, join the NTU–USP family. I promise you, it will be one of the best choices you’ve ever made.”

Darren Teo Jin Song
Year 1, Aerospace Engineering

This course is designed to familiarise students with the notion of the book as an evolving technology, as well as, debate about its place in contemporary society. The course will provide students with opportunities for critical reflection on the role of the book in our own digitally saturated society compared to the past. Some of the topics to be taken up include: (1) what is a book? (2) geographical and historical perspectives, (3) looking at the history of the book to see its future, (4) the changing form of the book, (5) the book today, (6) digitalisation of books (Google, Amazon, Apple e-books and readers), (7) Wikipedia and the new encyclopaedism, (8) new forms of reading, (9) the role and function of reading today, and (10) legal and ethical issues surrounding e-books and online reading.

SP0019
The Book in the Digital Age: Culture and Technology

This course examines the foundations of the information society, the internet as a driver of change, and the associated challenges and issues it has brought forth, and the need to understand and apply an individual role’s in discovering, mixing, creating, sharing new content in the highly interconnected and pervasive information environment. Key topics addressed include information overload, metalaferacy, information sources, metadata for knowledge discovery, data preservation and archiving, roles of information institutions, copyright and intellectual property, digital footprints, and digital citizenry.
**SP0023**

**Error and Bias**

This course allows students to examine the many errors and biases that characterise our judgments about ourselves and other people. A central theme of this course is that understanding how people perceive, reason about, and remember social information – especially the biases and shortcomings people show in their perceptions, inferences, and memories – is central to understanding both effective social functioning, and many forms of maladaptive behaviour and social conflict.

**SP0032**

**Art, Technology, and the Image**

In this course, students will be introduced to the traditionally interdisciplinary relationship between art and technology. We will look at the history of technologies that have informed the development of visual media, examining how non-digital media have influenced our understanding, and uses of newer digital media today. We will also consider the socio-cultural dimensions of art and technology, exploring issues of identity, our understanding of place, and how technology and design thinking can address social problems in a globally mediated culture. Developing the capacity to effectively analyse and communicate concepts not only through writing but visually is a crucial form of literacy across cultures.

**SP0037**

**Fables, Folklore, and Literature**

Every society has its fables, myths, and folktales that are often transmitted orally. In this class, we will examine the phenomenon of folktales and folk culture from a comparative perspective. We begin with the ‘discovery’ of folk culture in the late 17th & early 18th centuries by the brothers Grimm in Germany, and the brothers Perrault in France. What role did folk culture play in the birth of modernity, and why did these stories acquire such importance for scholars of the Enlightenment? Originally meant for adults, why did they become a vital part of children’s education? Following this historical survey, we will examine the diverse perspectives of 20th century scholars: folktales as archetypes, as reflections of the true character of a people, as the source of stock characters and plots, and as transformations of pagan myths or religious beliefs, or even historical events.

"Choosing Art, Design and Media (ADM) was an easy decision for me. Art school gave me the opportunity to learn alongside like-minded individuals who share my deep passion for art. I have been blessed with amazing opportunities to learn from top-notch faculty from around the world. While ADM nurtures my creative and imaginative endeavours, NTU-USP feeds the inherent curiosity for knowledge, complementing my overall university learning experience. Professors teach with passion, and are always ready to help. Classes demand real rigour, and I find myself truly thinking deeper about questions beyond what lies on the surface. The programme genuinely caters to its students’ intellectual pursuits, and it is a privilege to be a part of a community where knowledge is highly valued and prioritised. Too often we are swept along in today’s fast-paced world, but NTU-USP has pushed me to stop and ponder deeper about the bigger picture – issues in the world that are often overlooked.”

Ong Shu Yi
Year 2, Art, Design and Media

"I chose NTU as it offered me what other universities could not – a direct honours pathway, a scholarship, and most importantly, an invitation to join the NTU-USP programme. NTU-USP offered a multidisciplinary platform in an intellectually stimulating environment and a vibrant student life, all of which I experienced and loved in my previous International Baccalaureate school. It made university welcoming, and triggered my decision to accept the NTU-USP invitation – one that I have not regretted.

NTU-USP provides what it promises and delivers beyond. It cultivates patrons of the arts, the sciences, and the humanities. It stimulates and nurtures students to be intellectually daring. It encourages broader ways of thinking, and pushes us beyond our limits. It builds character, encourages leadership, and expands our knowledge to worlds beyond our horizon. Most of all, it fosters a sense of community – a ‘kampung spirit’ that cannot be found elsewhere. NTU-USP is not just a programme; they are family.”

Valerie Lee Kai Yern
Year 3, Psychology
"NTU-USP offers a truly unrivalled multidisciplinary education. Under its robust and intellectually-stimulating curriculum, I was exposed to opportunities to pursue courses in diverse academic fields, ranging from philosophy to climate change, and from international trade to law. The NTU-USP community further enriches its multidisciplinary nature with students originating from a myriad of academic disciplines. Without a shadow of doubt, I have learnt tremendously from the exchange of ideas and viewpoints, be it through intense class discussions or informal conversations. NTU-USP has also greatly enhanced my profile as an internships applicant, and this played an instrumental role in securing multiple internship offers. In addition, NTU-USP has developed my leadership potential, as I had the privilege of chairing the organising committee for the NTU-USP Freshmen Orientation Programme, and was a student leader in the Travel Overseas Programme for Scholars (TOPS). As a Materials Engineering student, NTU-USP has significantly broadened my thinking, and enabled me to approach engineering problems with varied perspectives. This exceptional programme complements my rigorous engineering education, and immensely nurtures me to be a more holistic engineer."

Choo Yi Jie
Year 4, Materials Science and Engineering

The aim of this interdisciplinary course is to engage students from a variety of disciplines and backgrounds to develop an enhanced awareness of knowledge organisation and innovation within a globalising world, in which they are trained to become active leaders in their major of studies. In the past, human societies embedded their knowledge and values in complex interactions of written, pictorial, sculptural and architectural records, oral memories, and performed rituals. These were their media and in these forms we inherited their arts and science. Now, our society is very close to a fully digital access to all information encapsulated in monuments, museums, galleries, libraries, archives, and live performances all over the world, and in any language. But to distill data into knowledge, a new generation of scholars, artists, and professionals needs to discuss, test, and implement ICT tools and solutions in correlation with (1) the centuries-old results of each single discipline, which contributes to the domain of heritage science [in humanities, social sciences, architecture, life sciences, engineering, and computer sciences], and (2) the technological potential evolution. The objective of this course is to contribute to the training of this new generation.
**SP0051 Astronomy**

This course aims to equip students with key knowledge in modern astronomy and cosmology. Through the course, students will learn about the history of astronomy, basic knowledge on navigating the sky, the origin and contents of our solar system, and the evolution of stars and galaxies. Contemporary topics, including the big bang, the geometry and structure of the universe, dark matter, and dark energy, will be discussed to give students an overview of current ideas in modern cosmology, and for them to ponder about our place in the universe. The course will also share exciting astronomical discoveries in recent time. During the course, students will also have opportunities to learn practical skills in solar observation and star gazing to supplement their learning of the course.

*“As a budding chemistry researcher, NTU was the university of choice for its well-equipped laboratories facilitating quality research. Enticed by the idea of receiving holistic education, I accepted the invitation to join NTU-USP, unaware of what’s to come. As a science-oriented student, the journey in NTU-USP has not been smooth sailing. As the programme has an emphasis on humanities and social sciences, it has forced me out of my comfort zone. Through this journey, however, I’ve begun to see the world in a different light as compared to the past. For instance, I used to think that science is a topic that is closely associated with uncertainties, while the humanities is associated with uncertainties. However, science is in fact filled with uncertainties, and often, ‘conclusions’ are merely the results of weighing factors to derive the most probable explanation. Gradually, I noticed that these two seemingly opposite disciplines are in fact not that different after all.”*

**Neo Ren Kai Edward**
Year 3, Chemistry

**SP0058 Introduction to Programming**

This course introduces programming to students with no prior knowledge in programming. The objectives of this course are to equip students with knowledge of programming concepts, and skills of solving software problems with the use of an object-oriented programming language.

**SP0062 Discerning Biology in Popular Media**

The course aims to bring students through foundational concepts in biology (human anatomy, physiology, molecular genetics, and cell biology) and their application to our society, through the analysis of science fiction movies and televised drama series. It also aims to develop a higher level of discernment in handling scientific information incorporated in popular media, and a greater awareness of ethical and political issues related to technological advances in future society.

*“Between the specific fields of arts and science, I have never been inclined to select a course that would require me to forsake the other field of study. So when the perfect programme providing dual exposure in both science and social sciences came along, Environmental Earth System Science was my top choice. This major has helped me to form a deeper appreciation for our natural world, and its strong ties to humanity. This is especially relevant today where pertinent issues like urbanisation and disaster-risk communities take the spotlight in global discussions.

NTU-USP has taken my university experience a step further by giving me a gateway to explore the world outside the classroom. Holding true to its vision to cultivate global citizens, I’ve had the privilege to participate in the Travel Overseas Programme for Scholars (TOPS) to Chiang Mai and Hanoi, the Study-Abroad Programme to London, and GEM Explorer Exchange Programme to Canada. These experiences have been paramount in shaping my worldview, character, and ultimately my young adult life. I cannot imagine having such a global experience anywhere else!”*

**Hong Hui Shi**
Year 3, Environmental Earth Systems Science

**SP0064 Planet Earth**

This course examines the Earth and its systems through lectures, group-based inquiry learning, and individual reading, writing, and research. Content is based on major discoveries by scientists in the broad fields of Astronomy, Geosciences, Geography, and Biosciences. This will provide the gateway for investigation into topics, such as the formation of the solar system, the lithosphere, the atmosphere, and climate change, ocean circulation, the biosphere, ecology, and how humans interact with the environment.

**SP0068 Artificial Intelligence: History, Philosophy, & Prospects**

This course aims to introduce the key issues surrounding the philosophy of Artificial Intelligence (AI) to students from all disciplines. In addition, it encourages one to respond critically to articles and videos that make use of the concepts and theoretical underpinnings of AI research across a range of disciplines, and to become reflective, culturally informed and responsible global citizens in a technological age, given to both critical and creative thinking about the nature of the relation between man and machine.

**SP0072 Enterprise, Innovation and Leadership**

This course introduces students to the topics of innovation, enterprise and leadership, and how these are interlinked. Not only will students develop a strong conceptual understanding of the frameworks underlying each of these areas but also how these principles are applied and practised in the real world.
This course examines ongoing debates about the great ideas of liberty, equality, and rights. In the summer of 2015, the United States Supreme Court upheld the right to marry a person of the same sex. Explaining this new right, the majority opinion said, “The nature of injustice is that we may not always see it in our own times” and referred to “the right of all persons to enjoy liberty as we learn its meaning.” The court’s legal reasoning drew on constitutional amendments written centuries before to extend equal rights to freed slaves.

Through interactive seminars and short writing assignments, we examine the changing meaning of liberty in different nations, and we gain practice articulating our own perspectives on these issues. We examine England’s Magna Carta (1215), the United States Constitution’s Bill of Rights (1789), the United Nations’ Universal Declaration of Human Rights (1948), and the Singapore Constitution’s (1965) guarantee of “Fundamental Liberties” for all. Special attention is focused on rationales for Singapore’s approach, sometimes referred to as “Singapore communitarianism,” “authoritarian constitutionalism,” or “illiberal democracy.” We explore contrasting approaches to the law of freedom of expression, freedom of religion, rights to privacy, rights to due process and humane treatment, rights to equality for women and minorities, and rights to personal autonomy in matters such as sexuality. Contemporary debates on issues such as animal rights, recreational drug use, and rights of transgendered persons are also examined.

“NTU-USP broadens horizons. With the wide range of courses available in the NTU-USP curriculum, I have been able to explore fascinating subjects outside my Biological Sciences major. These include topics like ethics, art history, and entrepreneurship. Scholars in the NTU-USP hail from different undergraduate programmes, which encourages collaboration across various academic disciplines, honing our critical thinking skills, and the ability to solve problems in an interdisciplinary manner. The tight-knit nature of the community also fosters a strong sense of camaraderie among talented, passionate and bright scholars, which has undoubtedly been the greatest takeaway from my four years in NTU.”

Geraldine Pang Yi Han
Year 4, Biological Sciences

“NTU-USP education enabled me to exercise my expertise in a variety of fields. Coming from a Communications major, I was able to integrate concepts of business marketing with persuasive communication. I’ve learnt to appreciate the roots of cultural taboos through courses on linguistics and society, and applied quantitative reasoning to understand advertising strategies. The NTU-USP curriculum helped me realise, and appreciate the power of integrating disciplines to find creative solutions.

NTU-USP does not drill dry content into you. Instead, educators encouraged me to practise logic, to appreciate the underlying concepts from different disciplines, and invited me to the workings behind how each scholar thinks and acts in a multidisciplinary environment.

The NTU-USP community is a motley crew of motivated and perceptive individuals. With conversations ranging from morality to our next supper hop, the NTU-USP club has given me the full experience. While I might not be able to solve the world’s complex issues, this programme — with its curriculum, faculty, and people — gave me the skills and knowledge crucial to remain relevant and versatile in today’s world.”

Lim Jun Rong Nigel
Year 4, Communication Studies
“My years at NTU have provided me with a diverse range of opportunities to develop a broad perspective of the world. The History programme here places an emphasis on interdisciplinary history to encourage students to synthesise traditional historiographical methods, along with methodologies from other disciplines. This is indeed useful, as we live in a complex and dynamic world, where new bodies of knowledge constantly emerge alongside existing ones.

Joining NTU-USP was a natural decision because of its interdisciplinary curriculum which complemented my major well. In addition, NTU-USP provides opportunity for overseas exposure. During my first year, I embarked on a study trip to Hong Kong to research on the topic of migration. The following year, I received the opportunity to attend the Asia-Pacific Youth Organisation Conference where I met international delegates, attended the ASEAN Business Summit 2015 in Kuala Lumpur, and even heard ‘live’ keynote addresses by world leaders, such as Barack Obama, Shinzo Abe and Narendra Modi! Altogether, these experiences have been tremendously helpful and integral in developing a global perspective.”

Debra Jane Thio En Yu
Year 4, History

---

**SP0077**
Creative Writing

This foundational course introduces students to the major literary genres of poetry, fiction and drama, and to the literary techniques essential to success in these genres (including imagery, voice, dialogue, characterisation, and narration), as well as, to the processes that drive creative productivity. Students will complete original assignments in each of these major genres while learning the procedure for work-shopping each other’s products, and the benefits of constructive criticism and revision.

**SP0078**
Schooling and Culture

The aim of this course is to explore the origins of Western education: from its 4,000-year-old roots in the ancient Near East and the Mediterranean basin to the cherished traditions and beliefs of today. We will study education in ancient Egypt, Mesopotamia, Greece, and Rome, and the changes that took place during the Middle Ages, the Reformation, the Renaissance, and most recently during the 20th and 21st centuries. As we follow the formalisation of the educational system, we learn more about these historic societies themselves: how they viewed children and youth, what was considered appropriate for teaching and study, which groups were privileged to attend schools and why, what being educated meant or what education provided access to, or what the benefits were for the society itself. The educational systems of non-Western societies and other times will be surveyed as foils for our own beliefs and assumptions, enabling us to gain a wider perspective and a more critical stance. Examples of non-Western traditions may be taken from ancient or modern China, Japan, Southeast Asia, the Middle East, Mexico, and other areas.

**SP0079**
Language and Society

This course explores sociolinguistic issues with a focus on the societal, cultural, political, psychological, and interactional contexts of language use. Students will have a research-based understanding of key theoretical views of language use in society, and learn to examine how language use is influenced by social factors, and how social categories such as social status, ethnicity, occupation, and gender can be reflected by language use. Students will also learn how to follow sociolinguistic principles to distinguish functions and varieties of language in a sociocultural context.
Culture and Conflict is a multi-disciplinary course that explores the relationship between artistic production and social/political disorder. It investigates the basic philosophical notion that art thrives in times of war, and expires in peace, then goes on to question whether art, as a form of social barometer, can actually anticipate conflict as opposed to merely responding to it. The course also observes the extent to which culture (especially that derived from conflict) is used to create specific social identities and contemporary concepts of memory. A range of historically and geographically diverse case studies will be used: the Medieval and Renaissance Mediterranean, the First World War in Europe, the ‘Troubles’ in Northern Ireland in the 1980s, and present day Singapore. Whether we are looking at the anticipation of war through the ballet, or increasingly avant-garde sculpture, or observing medieval multiculturalism through a microscopic examination of a painted surface or a virtual reconstruction of Cypriot architecture, we are consistently looking at the relationship between culture and conflict. The media of exploration will be: art theory, painting, sculpture, ballet, popular/protest music, architecture, multimedia/technology, and international law. Suitable site visits within Singapore to complement the course will be provided as part of the experiential learning and appreciation of the issues covered in the course.

This course will investigate various treatments of science by literature according to both traditional and contemporary (postmodern) theories within the philosophy of science, especially the works of Hume, Popper, Kuhn and Lyotard. According to Lyotard, science has traditionally been valued either for its emancipatory potential, or according to how it assists in the realisation of a unified scientific whole. Texts by Ibsen and Glaspell provide an opportunity for investigating the poignancy of the first of these legitimization narratives, while texts by Ursula LeGuin and John Banville will help us evaluate the second legitimation narrative. Finally, we will conclude the semester by questioning whether scientific knowledge is, as Foucault suggests, ‘linked in a circular relation with systems of power which produce and sustain it, and to effects of power which it induces and which extend it. A “regime” of truth’. Relevant texts to this discussion are Thomas Pynchon’s The Crying of Lot 49 and Darren Aronofsky’s Pi.

This course offers a multidisciplinary approach to Gender Role Studies within the context of communication, an interdisciplinary academic field that explores critical questions about the representation of gender in society. The primary goal of this course is to familiarise students with key issues, questions, and debates concerning gender roles, with a particular emphasis on communication and culture.

The symposium Gender Roles, Culture & Communication was organised on 11 March 2017 as part of the NTU-USP’s elective curriculum. The aim was to acquaint students with established international speakers who shared and debated on diverse perspectives about gender roles in Asia; in particular, Southeast Asia. The symposium featured a myriad of speakers from different universities including Australia National University, Universiti Teknologi MARA, Singapore Management University, Chulalongkorn University, and well-known organisations, such as Association of Women for Action and Research (AWARE) and Aproposito.

"From culture to sexuality to media, Sociology offers in-depth analyses on many aspects of social life that we often take for granted. Essentially, we emerge as ‘conscientious beings not imprisoned by reality at face value,’ as described by my professor.

My university life has extended far beyond my studies. NTU offers a diverse range of enriching programmes curated for a holistic curriculum. I was blessed with the opportunity to undertake the prestigious Undergraduate Research on Campus (URECA), and am currently in Sweden for the GEM Explorer Exchange Programme.

As part of the NTU-USP community, I was also introduced to unique and exciting experiences, such as acrylic art classes and ultimate frisbee. Other highlights that marked my university experience include having the opportunity to attend Summer School in China, as well as, the Travel Overseas Programme for Scholars (TOPS), where we ventured to Thailand to conduct fieldwork. This year, with the support of the USP Office, a group of us are also involved in our very own production play – USPresents: Degrees of Freedom.

I definitely have NTU-USP to thank for moulding me into a culturally aware global citizen!”

Wong Meng Hui
Year 3, Sociology

The Eminent Speaker Series (ESS) is a series of talks and seminars that aims to provide a higher-level platform for the scholars to connect with world-class professors, industry and business leaders, and learn best practices from the best brains around the world.

ESS topics will be broad-based to cater to the different needs and expectations of the scholars. The topics range from culture and the arts, business and entrepreneurship, philosophy, modern science and technology to politics.

Dialogue session with Ukraine’s Ambassador, His Excellency Mr Dmytro Senik on 19 February 2018

“Undoubtedly, literature is one of the most influential tools to promote freedom and peace. Through literature, we can challenge minds and challenge the status quo. It is a powerful tool to help us understand the world and ourselves.”

Mr. Dmytro Senik
Ambassador of Ukraine to Singapore
Beyond the Classroom

NTU-USP encourages scholars to participate in a wide array of international programmes, projects and events. They not only include programmes that will enhance their overall academic exposure, but also touch on different world issues such as the symposium on Gender Roles, allowing our scholars to better themselves on a uniquely different level.

Travel Overseas Programme for Scholars

The Travel Overseas Programme for Scholars (TOPS) is a credit-bearing core module for first-year NTU-USP scholars to investigate multidisciplinary issues in a foreign country. TOPS prepares students for various aspects of managing and conducting fieldwork, including visual documentation and telling a story about the project.

It features a week-long trip to another country to fully utilise the skills that they have been taught in the classroom, allowing them a chance to understand how those skills can be used practically, and at the same time, provide exposure to an unfamiliar environment to cultivate a more holistic world view.

Prior to Academic Year 2014, TOPS was previously known as the Overseas Study Trip (OST). Scholars who have completed TOPS have had their footprints in five different countries on six occasions. Back in 2012, the scholars embarked on their first exploratory study to Taiwan. The main aim was to delve deep into the culture of Taiwan, and understand the significance of steps taken to preserve such traditions.

An example of such an endeavour involved our scholars being exposed to the traditional dragon kilns that were gradually replaced by machines used today. It is highly relevant when compared to our home country, as Singapore has only two dragon kilns left in operation. The study trip highlighted the tedious yet meticulously planned process, as well as, the quality of workmanship that stresses the innate qualities that can be honed through difficult and tough regimes rather than solely relying on technology advancement.

In 2013, NTU-USP brought our scholars to sunny Perth, Australia. The study trip was to appreciate Australia’s effort towards conservation and their determination towards self-sustainability. Our scholars were given opportunities to not only examine what has been done based on media press releases, but also get on the ground to understand the exact sentiments of the residents towards the implementation of such programmes. This allowed our scholars to take away an extraordinary experience rather than a rehash of theories taught in classrooms.

Subsequently, the scholars travelled to Hong Kong. The focus was to investigate migration issues facing foreign workers. The field trip encouraged our scholars to step out of their comfort zone to conduct individual interviews, leading to deeper insights. Some issues identified included the ‘cage flats’, which was a solution for the impoverished, and freedom of speech. Through focused research on emergent issues, our scholars broadened their perspectives resulting in a balanced worldview.
The recent expedition in 2017 brought our scholars on a journey to the southern part of Vietnam where they visited Ho Chi Minh City and the Mekong Delta. Our scholars experienced both the hustle and bustle of the city, and the tranquillity of the Mekong Delta, allowing them to fully encounter the diverse cultures Vietnam has to offer. Our scholars led their own research projects, conducting empirical investigation on topics of interests. This included interviewing locals and government agencies about Vietnamese coffee, handicrafts, and the youth fashion scene. These learning experiences will be translated into tangible results, and presented in an exhibition as part of the course curriculum to showcase findings on various issues investigated.

TOPS 2015 featured a study trip to Chiang Mai, Thailand with a stopover in Chiang Rai, which lies east of Chiang Mai. Whilst there, our scholars immersed themselves in the vibrant and carefree youth culture of Chiang Mai. This experience exhibited the unique culture of the rural city, dissimilar from its capital province, Bangkok, and brought our scholars on a valuable journey, one to discover and in hope, better themselves.

Hanoi, seated on the northern part of Vietnam, was TOPS’ destination in 2016. The scholars set their feet in the lovely city of Hanoi and extended their hike to Sapa in Northern Vietnam. Highlighting both the vivacious and energetic Hanoi, as well as, the picturesque village of Sapa, the research visit was indeed an eye opener for many who have found themselves exposed to different customs of life, specifically for each region.

“NTU-USP provides a nurturing environment that allows me to gain knowledge from a myriad of disciplines, constantly challenging me to think critically and step out of my comfort zone. The programme’s rigour and limitless exposure have shaped the way I approach challenges, allowing me to tackle them effectively. The Travel Overseas Programme for Scholars was a true testament to the phrase “learning beyond classroom”, as it allows us to fully immerse ourselves in another country’s culture and conduct research studies as part of our curriculum. The numerous opportunities for personal development offered by NTU-USP, ranging from social activities to student initiatives, have made my university experience a holistic and vibrant one.

To me, what makes the NTU-USP programme stand out from other programmes is the opportunity to learn, alongside being able to forge lifelong and meaningful friendships with classmates and professors across disciplines.”

Ong Yong Jia
Year 3, Accounting
NTU-USP Study Abroad

NTU-USP scholars are presented with an opportunity to spend a semester studying abroad where they will have the chance to experience academic and cultural life in a vibrant global setting. During the study abroad, students may have a chance to undergo internships with national institutions.

NTU-USP Study Abroad Programme covers:
• Overseas enrolment and tuition fees
• Economy class return flight
• Living allowance (inclusive of transport, meal expenses and accommodation)
• Visa fees
• Health Insurance
• IELTS/TOEFL test fee

*Students are allowed to draw down $5,000 travel grant to supplement living allowance.

Partner Universities:

“What I desire is to experience life to its fullest and the double degree programme in Accounting and Finance has given me the chance to work towards that goal. Although academically strenuous, no other course allows you to analyse accounting laws one moment, and network with high-flying bankers the next. As a complementary factor, I chose to join NTU-USP because of the broad range of opportunities it presented. The opportunities included overseas learning trips to Hong Kong and Chiang Mai, which translated into learning opportunities and talking points during conversations. The life of a NTU-USP scholar is one of fast-paced and continuous improvement. I have always appreciated the industry visits and workshops, but NTU-USP’s true value lies in surrounding each scholar with a pool of driven, talented, and intelligent peers. It is both humbling and inspiring to witness your fellow scholars achieving incredible things, be it winning international competitions, clinching prized internships, or writing the most-viewed news articles nationwide. The most amazing thing is the fact that these individuals remain down-to-earth and ready to help at a moment’s notice. It motivates you to be someone better, and with NTU-USP’s support, you will.”

Kwang Yi Jing
Year 4, Accountancy and Business

“Studying Psychology has always been of great interest to me ever since I was in secondary school. To me, it was a course that fit in between the arts and science and I loved how abstract, yet tangible it is. As a fresh junior college graduate, NTU provided a diverse, welcoming and friendly culture that greatly appealed to me. On top of that, NTU-USP provided a close-knit community with peers undergoing the same curriculum and lessons. From TOPS to the Study-Abroad opportunities, NTU-USP offers many chances for students to step out of our comfort zones to witness and experience diverse cultures. The range offered for our courses are both enriching and enlightening, allowing students to delve into other topics aside our majors. This experience has been intellectually challenging but nonetheless, fulfilling. NTU-USP has provided a platform for me to grow, both as a student and an individual, continuously creating wonderful memories throughout my undergraduate journey.”

Felicia Chua Sui Jin
Year 2, Psychology with Biological Sciences
International Summer School

This Programme is open to all NTU students in second or third year, especially those with an interest in Asian studies and China. To complement the programme, NTU-USP scholars will be entitled to a one-off overseas travel grant that will offset the programme fees in addition to preferential placement. The five-week summer programme includes a one-week study tour for selected students from NTU, and Chinese and international partner universities.

Students will be required to take up two credit-bearing and graded courses. Three interdisciplinary courses will be offered, exploring concepts and perspectives in Great Ideas, Political Studies and Chinese Migration. These courses will be taught jointly by our very own NTU faculty, as well as, faculty from partner universities.

Additional enrichment courses in Chinese culture will also be made available to interested students.

Electives with Overseas Component

The elective courses with travel component break out of the traditional teaching norms in the classrooms. These electives create an opportunity for NTU-USP scholars to venture overseas for a research-based field trip, encouraging students to apply relevant historical, art-historical, and critical theory through a wide variety of real world representations, while employing these observations in designing a modern aggregator of knowledge to enhance research and education.

An example is the SP0040 Maritime Silk Roads: Past, Present, and Future, where scholars conducted a field trip to Venice in Italy, bringing to life that which was taught in the classrooms.

“We were able to ‘uncover’ a new layer of the city and it helped us understand the scale of the empire that was once based here (Venice). We also rode on a Gondola across the Grand Canal for EUR2,00 – those who have been to Venice will be shocked to hear this. Of course, the city was bursting with awesome food experiences – squid ink pasta, great local and regional food, seafood, cheese and the legendary prosecco.”

Daniel Lim Tien Ming
Alumni, Class of 2017, Accountancy and Business
Campus Life

The NTU-USP Scholarship is offered to top students with strong academic credentials. At NTU-USP, the programme seeks to provide students with a vibrant, dynamic and conducive environment for quality learning to take place beyond formal curriculum. Students enrolled in the programme are offered guaranteed hall residence with living allowance.

Residential Education@NTU (RE@NTU)

NTU has a long and proud tradition in offering a distinctive residential life. RE itself is not new, having begun when Crescent and Pioneer Halls ("CresPion") opened in 2014, offering students a dynamic and enriching NTU Residential Education through a host of programmes and workshops. RE thus builds on and enhances the residential life that our students have enjoyed over the years. It is the experience and knowledge gained from living on campus, together with active participation in the programmes offered, that defines RE@NTU.

NTU-USP scholars were given the exclusive opportunity to be the pioneer dwellers at CresPion in 2014. Our scholars are guaranteed hall residence at the CresPion for the first two years of their undergraduate studies. Both halls work together on their RE programmes, delivering the four themed programmes below. These themes depict a full spectrum of hall events and activities, enriching the scholars’ campus life throughout their years of study in NTU.

The Garage
For experimenting with various engineering and hard science concepts, and translating them into physical inventions that may provide solutions to everyday challenges.

The Studio
For dabbling in visual art, such as photography, videography, graphics, and painting; tactile art such as clay craft and woodwork, as well as, creative writing and multi-media documentation.

The Kitchen
For exploration of the various sciences/arts associated with a “good eating experience”, e.g. by developing recipes, fermenting beer and cheese, growing herbs and mushrooms, and designing table-settings.

The GiveBack
For providing residents with an opportunity to be involved in service learning initiatives with the aim of contribute collectively to the CresPion community, NTU and potentially, the community around NTU and Singapore. Initiatives include the creation of a GiveBack Day to refurbish homes within the local community, and weekly visits to local charitable organisations.
"The NTU-USP has been the perfect opportunity to broaden my perspectives during my university education. It exceeded my expectations in many aspects. What I enjoy most about NTU-USP is the unique opportunity to be a part of a vibrant community that has given me the chance to forge strong camaraderie among students from the various faculties. Moreover, its seminar-based pedagogy promotes in-depth discussions, and fosters the exchange of ideas, opinions and perspectives among students across multiple disciplines. As an engineering student, the core courses offered by NTU-USP, such as philosophy and ethics, albeit difficult, were pivotal in supplementing my learning and providing a holistic and enriching university education. These writing-intensive modules have not only honed my writing skills, but also broadened my outlook, evincing that not all answers to a question are binary. I strongly recommend all students who are looking for an academically-stimulating programme that can complement your course of study to join NTU-USP!"

Tan Ren Jun  
Year 4, Chemical & Biomolecular Engineering

"Aerospace Engineering has always had a place in my heart. Growing up, the ability for large, bulky objects like that of planes to fly seemed intriguingly sophisticated. This interest fuelled my passion for Aerospace Engineering, which motivated me to pursue a degree in that field. As NTU was renowned for its Aerospace Engineering Degree Programme, I knew that it was the best place to enhance and develop my knowledge in Aerospace Engineering. Apart from my home programme, ‘Aerospace Engineering’, NTU-USP also appealed to me very much. NTU-USP places heavy emphasis on multidisciplinary education, which I believe is important for any individual, regardless of discipline. Undergoing courses that enable students to think critically gave me an edge over others in terms of my thinking processes, enhancing my ability to view things from different perspectives. Furthermore, NTU-USP encourages global citizenship by providing its scholars multiple opportunities to travel beyond the borders of Singapore. I believe that having such opportunities would prepare me for an increasingly globalising and interconnected world we live in today. The NTU-USP community is like family to me. I am proud to be part of a community that consists of individuals from different disciplines with different perspectives and opinions. Despite our different interests, the NTU-USP community continues to remain tightly-knit among students and faculty members. This kinship to me is priceless."

Bay Kim Hock Timothy Glenn  
Year 2, Aerospace Engineering
Student Life

The NTU-USP Club

The NTU-USP Club is a student-run leadership body within the NTU-University Scholars Programme. Under the guidance of its Executive Committee, it spearheads initiatives that both enrich and add value to the lives of its scholars, while fostering a sense of belonging to the NTU-USP family. Its efforts can be broadly categorised into three themes:

1. **Academics and General Affairs (AGA)**
   - Under the AGA portfolio, dialogue sessions, lecture series, and seminars are conducted. These sessions are aimed at providing alternative perspectives on various issues, as well as, satisfying intellectual curiosity among the students.

2. **Arts, Culture, Social Affairs (ACSA)**
   - The Arts, Culture and Social Affairs subcommittee is the key driving force in the planning and execution of arts and cultural-related activities, and social events. The committee aims to reinforce the strong bonds forged within the NTU-USP community through fun and meaningful events designed to support fellow students, and to promote a greater sense of appreciation for arts and culture.

3. **Alumni, Career and Student Outreach (ACSO)**
   - Industry visits are organised regularly by the Career Development subcommittee of NTU-USP Club. In order to facilitate a better understanding of the working industry, the Club collaborates with reputable organisations for exclusive visits, including office tours, networking sessions, and career development workshops with well-known corporations such as Accenture, BP and Unilever. Through these visits, NTU-USP students get the opportunity to have a head start in developing their career aspirations. In exchange, organisations are offered opportunities to interact with the top students in NTU.

---

**KopiTalk with Dr Vivian Balakrishnan, Minister for Foreign Affairs on 13 September 2017**

**USPooky Halloween Event on 25 October 2016**

**‘Art of Networking’ workshop jointly organised by NTU-USP & Career Attachment Office on 18 January 2018**

**Industry visit to Economic Development Board jointly organised by NTU-USP & Career Attachment Office on 5 February 2018**
Publicity and Public Relations (PPR)
The Publicity and Public Relations subcommittee is an integral part of the Club that is responsible for communication via social media within the NTU-USP community among students, along with external parties, such as the public. They support the other subcommittees in event publicity and marketing efforts. These events span across a diverse range of academic and leisure activities in the realm of arts, culture, social science, and leadership.

"Nanyang Business School’s three-year Business programme allows earlier workforce employment compared to other typical four-year programmes without compromising on the core competencies. The comprehensive course has equipped me with the essential knowledge and skills to compete in an increasingly uncertain and complex world.

NTU-USP greatly complements my business-related skillsets. The well-structured curriculum allows me to adequately explore areas well beyond my core business discipline. This has certainly enriched my education with more multidisciplinary and relevant skillsets to tackle future challenges.

NTU-USP provided ample overseas opportunities, which has equipped me with global perspectives and a broader mindset. More importantly, the overseas components accelerated my personal growth and development through self-exploration and discovery. Being part of NTU-USP also meant being part of a highly capable and driven community. Besides the valuable learning through constant engagements, lifelong friendships were also forged.

I am confident that both NBS and NTU-USP have given me an edge to excel in my personal and professional life."

Lee Tat Chong
Year 3, Business

"I have always envisioned myself working in the public sector in future. With that long-term goal in mind, I was drawn to NTU’s Public Policy and Global Affairs (PPGA) programme. The programme’s holistic curriculum, and its relevance in our current day and age resonated with me, especially given its focus on the Asian context. NTU-USP complements PPGA well because of its multidisciplinary, liberal arts education, exposing me to an array of subjects and perspectives that help to broaden my worldview. NTU-USP’s scholarship is also extremely attractive, along with its wide range of exchange opportunities.

The life of a NTU-USP scholar, though packed with eventful schedules, has proven to be incredibly fulfilling. NTU-USP scholars take on commitments outside their academics through the NTU-USP club or other co-curricular activities. The programme is unique on its own, as it provides our scholars with a close, tight-knit and dependable community, so there’s always someone you can turn to!"

Radhika Gupta
Year 1, Public Policy and Global Affairs

"I was not my initial top choice but the situation changed when I first attended the interviews held for my home programme, Linguistics and Multilingual Studies (LMS), and NTU-USP. Never had I ever had more pleasant interviewers and smoother conversations. The professors answered all my queries proficiently, and introduced me to the programmes. The genuine honesty, warmth and passion I experienced eventually won me over and made NTU the main contender, and ultimately my final decision. This decision was one of the best I have ever made in life.

As an NTU-USP scholar, I am grateful for all the enriching programmes and overseas experiences I have received. LMS has given me the chance to pursue my passion as a major, while NTU-USP continues to expand my horizons, offering not only a scholarship but a family that indeed feels like home. If I could speak to my old self, I would be sure to proclaim NTU as my top choice."

Vanessa Ellen Nah Mei Yin
Year 3, Linguistics and Multilingual Studies
Social Service Projects (SSP)
The Social Service Project subcommittee aims to encourage NTU-USP scholars to be more involved in serving the wider community. Through meaningful events planned by the committee for our beneficiaries, SSP strives to inspire scholars to realise that small collective actions can bring about a huge positive difference to the lives of those we serve.

The team hopes to develop a greater sense of empathy in each scholar for the marginalised communities by increasing their awareness of social issues surrounding them in their daily lives. In this way, NTU-USP scholars may be further inspired to contribute and give back to the society they have benefited from. These preliminary efforts seek to cultivate and nurture a giving heart in each scholar for a sustainable period even after graduation.

Special Projects (SP)
The Special Projects subcommittee initiates, plans, and executes ongoing and new projects that provide holistic development to the NTU-USP scholars. Events include hand-brewing coffee workshops (USPresso), yoga workshops (USTretch&Pose), and USP's first ever theatre production (USPresents). The Special Projects committee also oversees the Incubation Hub – a platform for scholars to submit an idea for a start-up initiative or event to benefit the entire NTU-USP community.

Students’ Highlights

Hong Hui Shi awarded King’s College London Excellence Scholarship

Congratulations to our very own NTU-USP scholar, Hong Hui Shi, a current Year 3 student reading the Environmental Earth Systems Science programme, on winning the King’s College London 2017/18 Semester 1 Excellence Scholarship of £1,250!

King’s College London believes that the experience of studying abroad makes for an invaluable contribution to a student’s academic and personal growth. For this reason, the King’s Excellence Scholarships, in the form of a financial reward, will be awarded to candidates of outstanding quality, who can best demonstrate how their time at King’s will further both their academic ambitions and personal development.

Read about Hui Shi’s journey at King’s, as well as, the adventures and insights into the wonderful city of London on our NTU-USP website.

Loh Xinpeng clinches the Undergraduate Awards 2017

“The topic on doctor-patient relationships often pales in comparison to the physiological outcome of a consultation, and this only became more apparent to me after having gained exposure to it during a NTU-USP discussion seminar. Being a biomedical researcher myself, the experience of writing this paper led me to realising the dangers of a solely biomedical-based model of disease, and ultimately, I found myself at times taking a stand against my major. The most complex needs and challenges in today’s world can no longer be addressed from a singular disciplinary source, and healthcare is no exception. Hence, I gained a deeper sense of appreciation for societal, ethical, and economic factors that contribute to the medical practice too.

The experience of attending the UA summit also broadened my thinking, and highlighted the importance of interdisciplinary dialogue across cultures and geographical boundaries. The opportunity of interacting with many industrial experts and academia professionals on this occasion also presented new avenues for me to further my passion for research overseas after graduation. Above all, my greatest takeaway from this summit was the diverse number of meaningful friendships forged. Networking with these young researchers gave me new perspectives on their cultures, languages, what constitutes a great education, and all the difference a small, hopeful desire to improve the human condition can make.”

Loh Xinpeng
Year 4, Biology Sciences with a second major in Chemical Biology

Students’ Highlights

Hong Hui Shi awarded King’s College London Excellence Scholarship

Congratulations to our very own NTU-USP scholar, Hong Hui Shi, a current Year 3 student reading the Environmental Earth Systems Science programme, on winning the King’s College London 2017/18 Semester 1 Excellence Scholarship of £1,250!

King’s College London believes that the experience of studying abroad makes for an invaluable contribution to a student’s academic and personal growth. For this reason, the King’s Excellence Scholarships, in the form of a financial reward, will be awarded to candidates of outstanding quality, who can best demonstrate how their time at King’s will further both their academic ambitions and personal development.

Read about Hui Shi’s journey at King’s, as well as, the adventures and insights into the wonderful city of London on our NTU-USP website.

Loh Xinpeng clinches the Undergraduate Awards 2017

“The topic on doctor-patient relationships often pales in comparison to the physiological outcome of a consultation, and this only became more apparent to me after having gained exposure to it during a NTU-USP discussion seminar. Being a biomedical researcher myself, the experience of writing this paper led me to realising the dangers of a solely biomedical-based model of disease, and ultimately, I found myself at times taking a stand against my major. The most complex needs and challenges in today’s world can no longer be addressed from a singular disciplinary source, and healthcare is no exception. Hence, I gained a deeper sense of appreciation for societal, ethical, and economic factors that contribute to the medical practice too.

The experience of attending the UA summit also broadened my thinking, and highlighted the importance of interdisciplinary dialogue across cultures and geographical boundaries. The opportunity of interacting with many industrial experts and academia professionals on this occasion also presented new avenues for me to further my passion for research overseas after graduation. Above all, my greatest takeaway from this summit was the diverse number of meaningful friendships forged. Networking with these young researchers gave me new perspectives on their cultures, languages, what constitutes a great education, and all the difference a small, hopeful desire to improve the human condition can make.”

Loh Xinpeng
Year 4, Biology Sciences with a second major in Chemical Biology

Students’ Highlights

Hong Hui Shi awarded King’s College London Excellence Scholarship

Congratulations to our very own NTU-USP scholar, Hong Hui Shi, a current Year 3 student reading the Environmental Earth Systems Science programme, on winning the King’s College London 2017/18 Semester 1 Excellence Scholarship of £1,250!

King’s College London believes that the experience of studying abroad makes for an invaluable contribution to a student’s academic and personal growth. For this reason, the King’s Excellence Scholarships, in the form of a financial reward, will be awarded to candidates of outstanding quality, who can best demonstrate how their time at King’s will further both their academic ambitions and personal development.

Read about Hui Shi’s journey at King’s, as well as, the adventures and insights into the wonderful city of London on our NTU-USP website.

Loh Xinpeng clinches the Undergraduate Awards 2017

“The topic on doctor-patient relationships often pales in comparison to the physiological outcome of a consultation, and this only became more apparent to me after having gained exposure to it during a NTU-USP discussion seminar. Being a biomedical researcher myself, the experience of writing this paper led me to realising the dangers of a solely biomedical-based model of disease, and ultimately, I found myself at times taking a stand against my major. The most complex needs and challenges in today’s world can no longer be addressed from a singular disciplinary source, and healthcare is no exception. Hence, I gained a deeper sense of appreciation for societal, ethical, and economic factors that contribute to the medical practice too.

The experience of attending the UA summit also broadened my thinking, and highlighted the importance of interdisciplinary dialogue across cultures and geographical boundaries. The opportunity of interacting with many industrial experts and academia professionals on this occasion also presented new avenues for me to further my passion for research overseas after graduation. Above all, my greatest takeaway from this summit was the diverse number of meaningful friendships forged. Networking with these young researchers gave me new perspectives on their cultures, languages, what constitutes a great education, and all the difference a small, hopeful desire to improve the human condition can make.”

Loh Xinpeng
Year 4, Biology Sciences with a second major in Chemical Biology

Students’ Highlights

Hong Hui Shi awarded King’s College London Excellence Scholarship

Congratulations to our very own NTU-USP scholar, Hong Hui Shi, a current Year 3 student reading the Environmental Earth Systems Science programme, on winning the King’s College London 2017/18 Semester 1 Excellence Scholarship of £1,250!

King’s College London believes that the experience of studying abroad makes for an invaluable contribution to a student’s academic and personal growth. For this reason, the King’s Excellence Scholarships, in the form of a financial reward, will be awarded to candidates of outstanding quality, who can best demonstrate how their time at King’s will further both their academic ambitions and personal development.

Read about Hui Shi’s journey at King’s, as well as, the adventures and insights into the wonderful city of London on our NTU-USP website.
Young Alumni

“To enrol into NTU and NTU-USP was an obvious choice for me. I was deeply interested in Aerospace Engineering but was also generally curious about many things in life.

The NTU-USP experience provided me that opportunity to delve more into the humanities. The experience has stretched my intellectual capacity, and broadened my perspectives of the world well beyond the scope of my engineering degree.

Now that I’ve started working at Economic Development Board Singapore, I find myself renewing my appreciation for the learnings from NTU-USP. Its multidisciplinary curriculum has trained me to think more holistically about the complexities of our modern world, and allowed me to better perform my work functions to develop the industries of Singapore.

Above all, I am utmost thankful to be part of NTU-USP student community, which is highly self-driven, capable, and very supportive. My peers have continuously inspired me to strive for greater success in university and beyond. Without them, the experience would not have been as enriching and fulfilling.”

Low Zhi Hong
Class of 2016, Aerospace Engineering

“I joined NTU Physics after seeing how connected the students and the faculty are. During my stint as a teaching assistant for several courses, I very much appreciated that despite being a young department, NTU Physics continues to transform and improve its curriculum, and teaching strategies.

On a side note, I’ve always held interests in epistemology and philosophy of science. Thus, I am always delighted to hear and learn more about topics outside of physics. These made NTU-USP a natural choice. Looking back, it was an amazing ride – smaller class sizes with concrete focus on continuous assessment, valuable guidance from the instructors, and the strongly knitted communities comprising people from extremely diverse background (I was the only physics student!) made the journey both unique and unforgettable.

Academically, the NTU-USP curriculum has made my thinking processes more flexible and open; business perspectives in environmental studies, and ideas from communication studies affecting politics were among two I’ve learnt first-hand from my core and elective courses. As I pursue research career in quantum information requiring specialised knowledge in physics, these flexibilities proved to be very much relevant in pushing boundaries. NTU-USP has, in fact, benefitted me more intangibly given my nature of study in theoretical research. However, my experience in physics, combined with interdisciplinary and passionate peers in NTU-USP, certainly made a lasting mark.”

Erickson Tjoa
Class of 2017, Physics and Applied Physics
"I have always aspired to build a business that defines the future of Singapore. NTU’s double degree programme in Accountancy and Business offered me the breadth and depth to acquire these essential skills to push my boundaries. The flipped classroom model, and real work experiences provided a plethora of opportunities for me to take charge of my learning, and helped to springboard my career.

In particular, the NTU-USP curriculum appealed to me very much due to its exclusivity in enabling learning beyond classroom. I travelled to Perth, Australia to study how one could make business ‘greener’, and Venice, Italy to research on the implications of Maritime Silkroad and the initiative of ‘One Belt, One Road’. The learning process was exceptionally robust as I befriended and exchanged perspectives with the brightest minds from different faculties. One of the greatest takeaways from NTU-USP is the ability to think critically, to consider ideas from different perspectives, and connect the dots. This proficiency has proven itself useful in my current career, as I lead convoluted projects that may be ambiguous at times, and require me to leverage on cross-functional expertise in order to deliver.

Having graduated from my programme and NTU-USP, I am well equipped and confident to be a business leader of tomorrow.”

Randy Toh Yong Hung
Class of 2017, Accountancy and Business

---

**Application**

Interested applicants should indicate their interest in the NTU-USP when applying to NTU

Shortlisted applicants will be invited to submit a short essay on a specific topic

Applications with outstanding submissions will be invited for an interview

Final selection will be based on a combination of academic and co-curricular records, application essay, and interview