



ASIAN SCHOOL OF THE ENVIRONMENT

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DISCOVER THE **ASE** ADVANTAGE

- 1** Environmental Science is one of the **fastest growing sectors** in the world.
- 2** In 2024, ASE was **ranked 14th globally** when it comes to Environmental Sciences.
- 3** ASE graduates have enjoyed close to a **100% employment rate** since 2015
- 4** ASE graduates have been **making a positive impact on the environment since 2015**

WHY ASE?



OVERSEAS FIELDTRIPS

Bali, Indonesia

Sabah, Malaysia

Hualien, Taiwan

California, USA

ENVIRONMENTAL RESEARCH

Engage in actual
research projects that
have real world impact



STATE-OF- THE-ART LABS

Work with cutting-
edge technology

WHY

SONALI MANIMARAN

ASE?

Alumni, Class of 2020

"ASE is full of people with deep **passion** for various environmental causes, and a **commitment** to creating meaningful and **positive impact**."

Upon completing my undergraduate studies, I worked as an **Impact and Product Analyst** at **GreenArc Capital**, before starting my **PhD** at ASE! During my PhD, I worked as a **visiting researcher** in the **Climate Service Center Germany (GERICS)**, and have recently been collaborating with the **United Nations International Organisation for Migration!** I hope to secure a **postdoctoral fellowship** and continue in academia after completing my PhD!"



TAY LI SI

Alumni, Class of 2022

"Being in ASE gave me an opportunity to **challenge myself**. ASE fostered a **supportive environment** and close-knit relationship between the students and faculty and there were many opportunities for us to experiment with various interests and projects! Since graduating, I've been working at the **National Parks Board (NParks)** under the **Wildlife Management Research** team, and I'm also a staff mentor for the **World Wildlife Day Regional Youth Symposium** project."



WHY ASE?



JEFFERSON

Alumni, Class of 2018

"ASE is a **close-knit community** of individuals from various backgrounds and cultures. The faculty are **approachable and patient** in passing their knowledge and expertise to us - especially since environmental science is such a **multi-faceted** and complex field."

Since graduation, I have worked as a **Consultant** at **TEMBUSU Asia Consulting** and a **Research Associate** at the **Sustainable and Green Finance Institute (SGFIN)**. My current work revolves around the integrated impact valuation of green buildings and biofuels."

LOUISA FUNG

Alumni, Class of 2021

"The people I met in ASE were some of the most **inspiring, passionate, and inclusive** people I have ever met. The professors would encourage creativity and let us explore interesting ways to do our projects - we got to snorkel among coral reefs and hike up volcanoes."

Since graduating, I am glad to have made a big impact as an **Environmental Consultant** at **Worley Consulting**, as well as an **ESG Analyst** at **Climate Fund Managers**."



ENVIRONMENT & CONSERVATION



International Governance

Our graduates have found full time employment at:

World Food Bank, UNESCO etc.



Non-Government Organizations

Our graduates have found full time employment at:

WWF, Nature Society, Birdlife, etc.



Environmental Media & Journalism



PUBLIC SECTOR & POLICY MAKING



Environmental Management

Our graduates have found full time employment at:

NParks, URA, etc.



Resource Management

Our graduates have found full time employment at:

NEA, PUB, SP Group etc.



Public Policy & Planning

Our graduates have found full time employment at:

United Nations, HDB, SLA etc.

PRIVATE SECTOR



Environmental Consultancy

Our graduates have found full time employment at:

DBS, UOB, Shiseido, Adidas, etc.



Environmental Data Analysis

Our graduates have found full time employment at:

JDA, PWC, Prudential, KPMG, etc.



Entrepreneurship



RESEARCH & ACADEMIA



Research Institutes

Our graduates have found either full time employment or post-graduate positions at:

A*STAR, Earth Observatory of Singapore, SCELSE etc.



Masters & PhD Programs

Our graduates have found post-graduate positions at:

Harvard, Stanford, CalTech, ETH Zurich etc.



PROGRAMMES



Bachelor of Science (Honours)

EESS: ENVIRONMENTAL EARTH SYSTEMS SCIENCE

"ASE has an incredibly supportive faculty that rewards initiative. The diversity in topics combined with the focus on hard skills and technical expertise at EESS allows even first-years to participate in fieldwork and research projects, fostering exploration of interests outside of academics. I had the opportunity to participate in flora surveys for Bukit Timah, and since then I've also gone on to study that same plot for my own research project in NTU!"



**Communication
& Collaboration**



**Core Science
Skills**



Critical Thinking



**Computing &
Data Analysis**



**MUHAMMAD NASRY
BIN ABDUL NASIR**



Check out the latest course
curriculum via this QR code or
this **LINK** (click here)

PROGRAMMES



Bachelor of Science (Honours), Double Major

ESPP: EESS & PUBLIC POLICY & GLOBAL AFFAIRS

"Pursuing a double major in Public Policy and Environmental Science has shown me the politics inherent in science - from its funding to its implications and applications - as well as the science behind the politics!"

ESPP's interdisciplinary approach is a natural pathway into corporate sustainability roles. I interned at a sustainability consultancy, a start-up, and a multinational corporation (MNC), which has given me a comprehensive view of the broader sustainability ecosystem."

AMELIA ONG TSI YING



**Communication
& Collaboration**



**Core Science
Skills**



Critical Analysis



**Public Affairs &
International
Relations**



Check out the latest course
curriculum via this QR code or
this **LINK** (click here)

PROGRAMMES



Bachelor of Science (Honours), Second Major

ESDA: EESS & SECOND MAJOR IN DATA ANALYTICS

"I joined ASE due to my initial interest in biodiversity and the environment - and eventually I picked up data analysis as a 2nd major to complement what I was already learning in Ecology."



**Communication
& Collaboration**



**Core Science
Skills**



Critical Thinking



**Data Analytics
For Large Scale
Research**

During my time at ESDA, I did a 6-month stint at a laboratory in Hong Kong that focused on marine pollution, and the conservation of marine habitats. Both ecology and data science were important in these projects!"

FOO YOCK HAW



Check out the latest course curriculum via this QR code or this **LINK** (click here)

PROGRAMMES



Bachelor of Science (Honours), Second Major

ESSN: EESS & SECOND MAJOR IN SUSTAINABILITY

"Environmental issues and sustainability are the grand challenges of our generation - and ASE was an easy choice because of its dedicated faculty, resources and fieldtrips!

The second major in sustainability approaches topics from multiple perspectives - during my internships, I learned about the process of collecting data, reporting sustainability-related and climate-related performance, as well as developing decarbonisation plans!"



**Communication
& Collaboration**



**Core Science
Skills**



Critical Thinking



**Sustainable
Development**



Innovation

MATTHEW FOO



Check out the latest course curriculum via this QR code or this **LINK** (click here)



PROGRAMMES



Bachelor of Science (Honours), Second Major

ESET: EESS & SECOND MAJOR IN ENTREPRENEURSHIP

"ESET stood out to me because of its holistic and interdisciplinary approach. It goes beyond just integrating physical and life sciences - it also highlights the societal and human dimensions of the environment, which I find meaningful."

ESET also gives me the chance to implement impactful and sustainable solutions via entrepreneurial ventures, turning ideas into actions that create tangible change."

VALENCIA SIE



**Communication
& Collaboration**



**Core Science
Skills**



Critical Thinking



**Sustainable
Development**



Innovation



Check out the latest course curriculum via this QR code or this **LINK** (click here)



ACADEMIC SPECIALISATIONS

ASE Undergraduates take a core curriculum in the fundamentals of earth and environmental sciences and pursue advanced coursework in one of three specialisation areas, graduating with a combination of technical breadth and depth that is attractive to employers.

ECOLOGY

- Ecosystems
- Entomology
- Marine Ecology
- Plant Ecology



SOCIETY

- Disaster Risk Management
- Economics
- Carbon Markets
- Human / Nature Interactions

GEOSCIENCES

- Volcanology
- Tectonics
- Natural Hazards
- Coastal Geometry





The J.E.D.I. Group



The JEDI group is an independent committee that seeks to advocate for students and staff when it comes to issues of:

JUSTICE - Dismantling barriers to resources and opportunities so that all individuals and communities can participate fully.

EQUITY - Allocating resources to ensure everyone has access to the same opportunities and recognising that advantages and barriers.

DIVERSITY - We believe our differences should be celebrated and contribute to the rich fabric of our community.

INCLUSION - Fostering a sense of belonging by centering, valuing, and amplifying the voices, perspectives and styles of those who experience more barriers based on their identities.



The ASE Club



The ASE Club organises fun and enriching activities to encourage collective learning and strong social bonds between students!



Industry Guests - weekly lectures by visiting scholars and our own researchers, which exposes our students to the most current research being done around the world and provides unparalleled opportunities for networking and collaboration.



ADMISSIONS

Singapore Cambridge 'A' Level:

- H1 Level Pass in Mathematics AND
- H2 Level Pass in
Physics/Chemistry/Biology/Economics/Computing

Polytechnic Diploma:

Check if your polytechnic diploma is eligible via this

WEBSITE LINK or this QR code:



IB Diploma:

- Mathematics at Standard Level AND
- Physics/Chemistry/Biology/Economics/Computer Science at Higher Level

NUS High School Diploma:

- Major CAP of 2.0 in Mathematics AND
- Major CAP of 2.0 in Physics/Chemistry/Biology

International and Other Qualifications:

- Additional Mathematics at Junior High School and equivalent, AND
- Physics/Chemistry/Biology/Economics at Senior High School

EES

ESS

ESE

ADMISSIONS

ESPP

Singapore Cambridge 'A' Level:

- H1 Level Pass in Mathematics AND
- H2 Level Pass in
Physics/Chemistry/Biology/Economics/Computing
- A good grade in General Paper/Knowledge & Inquiry/H1 Level
- History/English Literature/Geography

Polytechnic Diploma:

Check if your polytechnic diploma is eligible via this [WEBSITE LINK](#) or this QR code:



IB Diploma:

- Mathematics at Standard Level AND
- Physics/Chemistry/Biology/Economics/Computer Science at Higher Level
- A good grade in English at Standard Level


NUS High School Diploma:

- Major CAP of 2.0 in Mathematics AND
- Major CAP of 2.0 in Physics/Chemistry/Biology
- Good overall CAP in English Language

International and Other Qualifications:

- Additional Mathematics at Junior High School and equivalent, AND
- Physics/Chemistry/Biology/Economics at Senior High School
- A good grade in General Paper/English at Senior High School

ADMISSIONS

| | |
|-------------|---|
| ESDT | <p>Singapore Cambridge 'A' Level:</p> <ul style="list-style-type: none">• H2 Level Pass in Mathematics AND• H2 Level Pass in Physics/Chemistry/Biology /Computing <p>Polytechnic Diploma:</p> <p>Check if your polytechnic diploma is eligible via this WEBSITE LINK or this QR code:</p>  <p>IB Diploma:</p> <ul style="list-style-type: none">• Mathematics at Higher Level AND• Physics/Chemistry/Biology/Computer Science at Higher Level <p>NUS High School Diploma:</p> <ul style="list-style-type: none">• Major CAP of 2.0 in Mathematics AND• Major CAP of 2.0 in Physics/Chemistry/Biology <p>International and Other Qualifications:</p> <ul style="list-style-type: none">• Mathematics at Senior High School and equivalent, AND• Physics/Chemistry/Biology at Senior High School |
|-------------|---|

SCHOLARSHIPS & AWARDS



NANYANG GLOBAL SCHOLARSHIP

Awarded to outstanding undergraduate freshmen who excel academically, demonstrate strong leadership potential, and possess outstanding co-curricular records.

Benefits:

- Full coverage of subsidized tuition fees (after Tuition Grant)
- Living, accommodation, and computer allowance
- Travel grant for an overseas programme



NTU PRESIDENT AWARD

A prestigious award given to undergraduates with exceptional leadership qualities, excellent co-curricular records and outstanding academic results. On top of these benefits, additional support may be provided to applicants who require further financial aid.

- Benefits:
 - \$10,000 Dean's Award (one-off)
 - Fully subsidised 4-year guarantee for NTU hostel
 - Mentoring and developmental opportunities

SCHOLARSHIPS & AWARDS



NANYANG MERIT SCHOLARSHIP

Awarded to outstanding freshmen

- Benefits
 - Full coverage of subsidised tuition fees (after Tuition Grant)
 - Living allowance and travel grants

please refer to

<https://www.ntu.edu.sg/admissions/undergraduate/scholarships>



for more scholarship options!

OTHER PROGRAMMES

UNIVERSITY SCHOLARS PROGRAMME

University Scholars Programme Office:
(65) 6908 3345
usp@ntu.edu.sg



CN YANG SCHOLARS PROGRAMME

CN Yang Scholars Programme Office
Tel: 6514-1900
Email: D-CNYang@ntu.edu.sg



FINANCIAL AID

For enquiries pertaining to financial assistance, please call:
+65 6790 4115



CHAIR'S MESSAGE

Dear Students,

Thank you for considering the Asian School of Environment!

Over the past few years, many parts of our planet have experienced the challenges of environmental change, geohazards, and biodiversity loss. No nation, whether it's large or small, rich or poor, will be immune from the impacts of climate change.

To get there, humanity will rely on the bright minds, tenacity, and innovative ideas of your generation. You may be the ones to solve these existential problems!

To give you the best tools possible to make a real difference, at ASE we integrate the different fields of academic study to understand the Earth as a system.

Beyond the classroom, students can forge meaningful friendships, develop lifelong skills, and benefit from the mentorship of experienced and dedicated faculty who are committed to helping them succeed.

With a curriculum designed to prepare students for diverse careers, ASE empowers its graduates to make meaningful contributions to creating a sustainable and resilient future.

Thank you, and we hope to see you soon!

PROFESSOR EMMA M. HILL

Chair, ASE



ASIAN SCHOOL OF THE ENVIRONMENT



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Asian School of the Environment
College of Science

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