



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE



2024/2025

TALENT HANDBOOK

Presented by the Career & Attachment Office



DIRECTOR'S MESSAGE

Dear Industry Partners,

The University cannot prepare students for the workforce alone. Employers should also not wait for the perfect graduate to be developed for them. Instead, we should work together to co-develop future talent who would be your employees.

We have had many successful industry-university partnerships, an example being the SkillsFuture Work-Study Degree (WSDeg) programmes. WSDeg programmes are co-developed with industry partners and take on a skills-based approach. Students gain relevant job skills through workplace immersion and multiple on-the-job trainings throughout the course of their study, allowing them to meet employers' needs quickly upon graduation.

Starting in August 2024, NTU will offer a new part-time WSDeg in Computing for learners who wish to upgrade their skills. To ensure that this programme is highly industry relevant, the University has been working closely with leaders in the Information and Communications Technology (ICT) sector to develop the curriculum.

Beyond Singapore, we are sending students overseas to develop their cross-cultural awareness and global perspectives. In December 2023, 84 students embarked on a 3-week immersion programme, NTU PEAK ASEAN, where they learned to solve authentic business problems at companies in Vietnam or Cambodia under the guidance of overseas mentors.

On the mentorship front, we are pleased to share that our initiatives received national recognition at the inaugural Mentoring SG Corporate Excellence Awards 2023. We are proud to be one of five finalists, alongside corporate leaders such as Huawei and Micron.

Thank you for partnering us to provide valuable learning experiences to our students. Continue to collaborate with us to prepare our graduates for the workforce and let us help you secure talents for your success. Follow NTU Career & Attachment Office on LinkedIn and increase your engagement with us. We look forward to many more fruitful collaborations in the coming year.

NTU Career & Attachment Office

OUR ACCOLADES

RANK 1

World's Best Young Universities
[The Times Higher Education (THE) Young University Rankings 2024]

RANK 4

World's Top Universities in Asia
[Quacquarelli Symonds (QS) World University Rankings: Asia 2024]

TOP 10

In 10 Subjects, including materials science, communication and media studies, and data science and artificial intelligence
[QS World University Rankings by Subject 2024]

STAY CONNECTED

Follow **NTU Career & Attachment Office** on LinkedIn to stay up to speed on career events happening on campus!

From **internships** and **campus recruitment events** to **experiential learning programmes**, discuss personalised campus recruitment strategies for your organisation with our Career Consultants directly.



EMPLOYER BRAND BUILDING

CAREERtracks Annual Publication

Expand your company's influence with advertisements in our exclusive career guide and annual in-house magazine, CAREERtracks. Brand yourself as an Employer of Choice to over 34,000 NTU students by booking your advertising space today. The magazine is a great avenue to build stronger employer branding and awareness in NTU, educating students on your company and showcasing various job profiles.



Campus Digital Panels

Maximise your company's visibility with our digital panels, strategically located around campus. Advertise recruitment campaigns and job opportunities in high-traffic areas, encouraging NTU talents to explore careers with your company.

CareerAxis

CareerAxis is a one-stop platform for NTU students to access a wide range of career resources, including jobs and events. Set up an employer account to conveniently post job opportunities for our students to apply.



OUR RESOURCES

Educational & Immersive Programmes

- Alumni Engagements
- CAmpcOde Hackathons
- Company Visits
- Internship Programmes
- NTU Mentorship Community "Connecting Minds"
- NTU PEAK
- NTU PEAK ASEAN
- NTU Xperience
- Overseas Internship
- The Insider Series
- veNTUre
- Work-Study Degree Programme

Recruitment Activities

- Career Fair
- GradRecruit
- Job-In Fair
- On-Campus Interviews
- Recruitment Talks
- Thematic Events & Activities

Brand Amplification

- CareerAxis
- CAREERtracks (Annual Career Publication)
- Margaret Lien Centre for Professional Success (MLCPS)

Additional fees apply



INDUSTRY & CAREER EXPERIENTIAL EDUCATION PROGRAMMES

NTU students are encouraged to participate in experiential programmes. Such activities enhance corporate brand awareness while deepening their understanding of industries, businesses, technologies and capabilities. Collaborate with us to inspire students to join your organisation.



Available each semester

NTU Xperience

Sep (Semester 1) & Feb (Semester 2)
During Recess Week

NTU Xperience, a 3 to 5-day Job Shadowing Programme, helps students better understand specific roles or job functions by observing first-hand the daily work routine in real-world environments, empowering them to make informed decisions about their career choices.

Available all year

CampCode Hackathons

Turn a business case or project into an opportunity to raise visibility of your organisation while identifying students for hire through hackathons! Challenge our students in areas such as Data Analytics, Digital Transformation, Marketing Strategies, Sustainability and more. Besides tapping into our students' ideas, you get to scout for high potential students who are self-directed and possess strong technical and soft skills.



Available each semester

Company Visits

Aug-Oct (Semester 1) & Jan-Mar (Semester 2)

If a picture paints a thousand words, a company tour is sure to leave a lasting impression! Host a company visit for students to gain insights into your business, culture and environment. More than just a tour of the office location, students can network directly with your team on-site. Who better to engage students and share more about the organisation than your own team?



Available all year

NTU Mentorship Community "Connecting Minds"

"Everyone has something to contribute, and we all have a responsibility to support one another for the greater good." — Prime Minister Lawrence Wong

Do you possess the ability and passion to give? Volunteer to be a mentor in our online mentorship community for opportunities to guide our students through their career exploration, skills development and school-to-work transition, as well as share industry insights that will prepare them for the world of work. From structured mentorship programmes to conducting skill-based webinars for mentees, use your expertise to support our students in their career journey!



Available all year

Alumni Engagements

Alumni are powerful envoys to increase brand awareness as students welcome opportunities to hear directly from their seniors. Our alumni are encouraged to speak at our casual networking sessions to share their work experiences, companies, industry outlook and career opportunities.

ENHANCED EDUCATION

Available all year

veNTUre

Need help with a short-term project for your business? What about student talent for data and digital solutions? veNTUre is the short-term 'live' industry project programme for you! It is a mentorship platform which pairs businesses and NTU students to collaborate on business solutions. Project scopes last 6 weeks, so you can efficiently gain innovative ideas and identify potential talent. No formal assessments required, simply take part by providing your guidance to students and veNTUre into this opportunity to co-create and empower NTU talent.



Available each semester

NTU PEAK

Sep (Semester 1) & Feb (Semester 2)

Co-designed with industry partners, NTU PEAK is a Leadership Development Programme that cultivates high potential NTU students into industry-ready future leaders for the workplace and community. In this month-long accelerated programme, mentor highly motivated Year 2 to 4 students to ideate solutions for your business challenges. As climate change drives an urgent demand for industries to embrace greener business practices, NTU PEAK focuses on issues like Sustainability and Technology to meet industry demands. We recently rolled out NTU PEAK ASEAN, where students ventured abroad short-term to tackle industry challenges with overseas partners.



Available each semester

The Insider Series

Aug-Oct (Semester 1) & Jan-Mar (Semester 2)

To increase your impact and engagement with NTU students, partner our Learning & Development team to co-facilitate *The Insider Series* workshops. These workshops focus on developing students' career and employability skills in areas such as data, digital, tech and communications. Engage students in real-world case studies, activities and discussions, enabling them to experience first-hand the challenges that your organisation face. This is an opportunity to raise your organisation's brand awareness while equipping students with sought-after technical competencies, transferable soft skills and industry insights.



INTERNSHIP & WORK-STUDY DEGREE

To prepare our students for their future careers, we foster close partnerships with industry leaders by incorporating real-world work opportunities in their education journey.

Internship

Every year, we place over 6,000 students from across all disciplines into credit-bearing internships, both locally and overseas.

Internships are an excellent way to:

- Access our talent pool early to evaluate and recruit potential employees
- Supplement existing staff with additional manpower
- Inject fresh ideas and perspectives from enthusiastic students
- Create a positive branding presence in the NTU student community
- Contribute to the internationalisation of Singapore's economy by developing a talent pipeline

Overseas Internship

Through overseas internships, students sharpen their cultural intelligence through multicultural exchanges.

We publicise these opportunities under various programme categories; including CAO Overseas Internship, Work and Study China, Overseas Research Internship, NTU PEAK ASEAN, as well as region- or industry-specific collaborative programmes.

NTU offers support for students who are approved for University-Sanctioned Travel. This includes financial grants, risk assessments, comprehensive travel insurance coverage, International SOS ground assistance and other pre-departure preparations. Such efforts ensure a continuous stream of participating students for your organisation to build a sustainable talent pipeline by offering overseas internship opportunities.



Work-Study Degree Programmes

Employers who plan to establish longer talent development pipelines for their organisations can tap into our NTU Work-Study Degree programmes by journeying with full-time undergraduate students under this pathway.

Employers provide multiple training work terms and industry projects for students in this programme, nurturing and grooming them into future work-ready employees upon graduation. This programme not only allows early access to NTU students, but also supports the development of a sustainable pipeline for key evergreen industry roles in both the company and the industry.



Overseas Internship Period

Study Semester 2	Summer	Study Semester 1	Winter
Jan – May 20 weeks	May – Jul 10 weeks	Aug – Dec 20 weeks	Dec – Jan 5 weeks

Refer to Schedule of Attachment & Internship Programmes AY2024/25.

Credit-bearing Internship

Non-credit-bearing Internship

Open to all undergraduate students from all disciplines.

SCHEDULE OF ATTACHMENT & INTERNSHIP PROGRAMMES AY2024/25

	Semester 1 Professional Internship (20 to 24 weeks)	Semester 2 Professional Internship (20 to 30 weeks)	Professional Attachment (10 weeks)
COLLEGE OF ENGINEERING			
School of Chemistry, Chemical Engineering and Biotechnology	Jul - Dec (20 weeks)	Jan - May (20 weeks) Jan - Aug (30 weeks)	May - Jul (10 weeks)
School of Civil and Environmental Engineering			
School of Electrical and Electronic Engineering			
School of Materials Science and Engineering			
School of Mechanical and Aerospace Engineering			
Maritime Studies			
Renaissance Engineering			May - Jul (10 weeks)
COLLEGE OF COMPUTING AND DATA SCIENCE			
College of Computing and Data Science (Computer Engineering, Computer Science, Data Science and Artificial Intelligence, Artificial Intelligence and Society)	Jul - Dec (20 weeks)	Jan - May (20 weeks) Jan - Aug (30 weeks)	May - Jul (10 weeks)
COLLEGE OF SCIENCE			
Asian School of Environment	Jul - Dec (20 weeks)	Jan - May (20 weeks)	May - Jul (10 weeks)
School of Biological Sciences (Biological Sciences, Biomedical Sciences)			
School of Physical and Mathematical Sciences (Physics, Applied Physics and Mathematical Sciences)			
COLLEGE OF HUMANITIES, ARTS AND SOCIAL SCIENCES			
School of Art, Design and Media			May - Jul (10 weeks)
Wee Kim Wee School of Communication and Information		Jan - Jun (22 weeks)	
School of Humanities (Chinese, English, History, Linguistics and Multilingual Studies, Philosophy)	Jul - Jan (24 weeks)	Jan - Jun (24 weeks)	May - Jul (10 weeks)
School of Social Sciences (Economics, Psychology, Public Policy and Global Affairs, Sociology)			
NANYANG BUSINESS SCHOOL			
Nanyang Business School (Accountancy, Business, Business and Computer Engineering, Business and Computer Science)			May - Jul (10 weeks)
NATIONAL INSTITUTE OF EDUCATION			
Sport Science and Management		Jan - May (20 weeks)	

Note: Invitation to participate in the respective internship programmes to onboarded industry partners will be sent approximately 6 months prior to the commencement date of the period.

MASS RECRUITMENT

Available Semester 1

Job-In Fair

August / September

It is never too early to begin hunting! Get a head start at the only mass recruitment event in Semester 1.

As the second largest Career Fair of the academic year, Job-In Fair can help you establish corporate branding and build a strong on-campus presence. Showcase your full-time and internship opportunities, connect with our students and scout for the talent you need.



Available Semester 2

Career Fair

February

The NTU Career Fair remains the largest recruitment event of the year and is the perennial favourite among employers and students.

Look forward to building your corporate brand through striking booth displays and attractive features. Get the opportunity to communicate with your target students to meet your hiring needs!



Available Semester 2

GradRecruit

May

Held shortly after the examinations at the end of the academic year, GradRecruit is a highly targeted event for your organisation to fill immediate full-time openings.

This fair-cum-interview event presents a ready talent pool of graduating students who are prepared to transition from school to the workplace. Take this chance to shortlist suitable candidates, interview and make offers, all at once!



EMPLOYER RECRUITMENT ACTIVITIES

Typically held during the semester on weekdays, employer recruitment events are effective avenues to raise organisational awareness and attract immediate job applications.

Available each semester

Recruitment Talks

Amplify your brand by conducting recruitment talks on campus or via online platforms. Take this chance to introduce your organisation and career opportunities to our students.



Available each semester

On-Campus Interviews

Do you have several job openings and are looking to accelerate the recruitment process? Consider conducting a series of on-campus interview sessions to efficiently screen multiple candidates.



Thematic Events & Activities

We actively collaborate with you to conduct an array of wide-ranging thematic events through various innovative event formats. Connect and provide our students with insights into different industries. This is your chance to identify and hire students with specific skill sets.



STUDENT PROFILE

Graduating Class of 2025 Undergraduates **5,635**

College of Engineering 2,073

SCHOOL OF CHEMISTRY, CHEMICAL ENGINEERING AND BIOTECHNOLOGY (CCEB)

Bioengineering	87
Chemical and Biomolecular Engineering	182

SCHOOL OF CIVIL AND ENVIRONMENTAL ENGINEERING (CEE)

Civil Engineering	117
Environmental Engineering	45
Maritime Studies	106

SCHOOL OF ELECTRICAL AND ELECTRONIC ENGINEERING (EEE)

Electrical and Electronic Engineering	600
Information Engineering and Media	83

SCHOOL OF MATERIALS SCIENCE AND ENGINEERING (MSE)

Materials Engineering	173
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SCHOOL OF MECHANICAL AND AEROSPACE ENGINEERING (MAE)

Aerospace Engineering	136
Mechanical Engineering	496

PREMIER SCHOLARS PROGRAMME (PSP)

Renaissance Engineering	48
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College of Computing and Data Science 705

Computer Engineering	83
Computer Science	470
Computing / Computer Engineering and Business	72
Data Science and Artificial Intelligence	80

College of Science 681

ASIAN SCHOOL OF ENVIRONMENT (ASE)

Environmental Earth Systems Science	45
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SCHOOL OF BIOLOGICAL SCIENCES (SBS)

Biological Sciences	194
Biomedical Sciences	36

SCHOOL OF CHEMISTRY, CHEMICAL ENGINEERING AND BIOTECHNOLOGY (CCEB)

Chemistry and Biological Chemistry	169
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SCHOOL OF PHYSICAL AND MATHEMATICAL SCIENCES (SPMS)

Mathematical Sciences	162
Physics and Applied Physics	75

Nanyang Business School 1,016

Accountancy and Business	107
Accountancy	257
Business	652

National Institute of Education 71

Sport Science and Management	71
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College of Humanities, Arts and Social Sciences 1,089

SCHOOL OF ART, DESIGN AND MEDIA (ADM)

Art, Design and Media	124
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SCHOOL OF HUMANITIES (SOH)

Chinese	69
English	113
History	64
Linguistics and Multilingual Studies	88
Philosophy	44

SCHOOL OF SOCIAL SCIENCES (SSS)

Economics	117
Psychology	179
Public Policy and Global Affairs	46
Sociology	76

WEE KIM WEE SCHOOL OF COMMUNICATION AND INFORMATION (WKWSC)

Communication Studies	169
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PROFESSIONAL DEVELOPMENT COURSES

The Margaret Lien Centre for Professional Success (MLCPS) course is designed to prepare our graduates for today's ever-evolving professional landscape. By undergoing this strategically curated curriculum, our students emerge as confident and adaptable individuals with the interdisciplinary skills to contribute to your organisation from day one.

Collaborative

One of the key elements of this course is collaborative learning. Through hands-on projects and teamwork, our students learn to communicate, problem-solve and work in diverse groups effectively, allowing them to practise soft skills that are highly valued in any professional setting.



Innovative

Throughout the course, students also explore the Future of Work and its implications on personal and professional development. As a result, they cultivate an innovative mindset by learning to identify opportunities and navigate challenges with confidence and creativity.



Proficient

This course provides students with job-ready technical competencies through guided activities such as developing strategic career plans and crafting compelling elevator pitches. These skills, in addition to insights into the competitive job market and entrepreneurial landscape, position them as valuable assets to your organisation.





ACADEMIC YEAR

Semester 1 12 Aug 2024 – 6 Dec 2024

- Company Visits
- Recruitment Talks (Physical / Online)
- On-Campus Interviews
- The Insider Series

AUG

Job-In Fair

SEP

Recess Week

30 Sep 2024 – 4 Oct 2024

- NTU PEAK
- NTU Xperience

OCT

NOV

Revision & Examinations

18 Nov 2024 – 6 Dec 2024

DEC

Vacation

9 Dec 2024 – 10 Jan 2025

Semester 2 13 Jan 2025 – 9 May 2025

JAN

- Company Visits
- Recruitment Talks (Physical / Online)
- On-Campus Interviews
- The Insider Series

Career Fair

FEB

Recess Week

3 Mar 2025 – 7 Mar 2025

- NTU PEAK
- NTU Xperience

MAR

GradRecruit

APR

Revision & Examinations

21 Apr 2025 – 9 May 2025

Vacation

12 May 2025 – 8 Aug 2025

MAY

Available All-Year

- Alumni Engagements
- CAmpcOde Hackathons
- NTU Mentorship Community "Connecting Minds"
- veNTUre



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