



**NANYANG
TECHNOLOGICAL
UNIVERSITY**
SINGAPORE

Work- Study Degree Programme for Materials Engineering



Objectives of WSDeg

To acquire and deepen work-relevant skills which will help students better transit to the workplace upon graduation and increase employability.



Benefits to students

- Students as trainees can acquire **work-relevant skills** and vital work experience through learning and **application of relevant competencies** at the workplace.
- Students are being **prepared to be work-ready** after graduation.
- Students gain early **exposure** to a company's **working environment and culture**, resulting in better chance of full-time employment upon graduation.

Benefits to companies

- Host companies **gain a contributor** while the trainee is still studying.
- It provides an early opportunity to **recruit, assess and groom suitable talent.**
- The work attachment ensures **relevance of training** specific to company's needs and culture.
- It **improves retention** by fulfilling the trainee's upgrading aspirations.

WSDeg components

- Coursework (CW): fulfilling your module requirements
- Work term: time spent as work attachment in the company
 - Professional Attachment (PA) 5 AU (Sp Sem)/ 3 AU (Winter)
 - Professional Internship (PI) 10 AU
- Industry-sponsored Final Year Project (ISFYP) 8 AU - projects are more industry-application focused
 - Process-based
 - Product-based
 - Market research

Structure of WSDeg

Y1			Y2			Y3			Y4		
Sem 1	Sem 2	S-Sem	Sem 1	Sem 2	S-Sem	Sem 1	Sem 2	S-Sem	Sem 1	Winter	Sem 2
CW	CW	NA	CW	CW	Work term 1	Work term 2	CW	Work term 3	ISFYP + CW	Work term 4	ISFYP + CW
					May – July 10 wks	Aug – Dec 20 wks	Jan – May 20 wks	May – July 10 wks		Dec – Jan 7 wks	
Block 1		Discovery/ Exploratory - develop foundational skillsets and fundamental industry insights PA with 1 company									
Block 2		Discovery/ Exploratory PI with 1 company which can be same as in Block 1; flexible with work term in Sem 1 or Sem 2									
Block 3		Deepening and Enhancing Skills Sets PA and ISFYP; Commit to one company from Block 1 and/or 2; therefore, max 2 companies for WSDeg ISFYP with minimum 1 day a week at the office									

Minimum NTU WSDeg Package for Shortlisted Students



Internship Allowance

(Block 1 & 2) Min. \$1,000* per month for full-time Work Terms



(Block 3)

- Min. \$1,500* per month for full-time Work Terms (Y3 Summer & Y4 Winter)
- No stipend for WSDeg FYP period (Day-In/Day-Out FYP)
- Completion Bonus
\$3000* one-time off bonus on completion of Block 3



(*If any government subsidy/ grant is to be applied, it may be towards Singapore Citizen and/or PR only)

This is the minimum package that WSDeg partners are giving. Please note that the WSDeg benefits structure can differ from company to company. All stipend will be made known to you only if you are successfully selected for each block by the company.



Potential for Conditional Job Offer

Potential conditional job offer for candidates before graduation, subject to organisation's hiring evaluation



Performance Report/ Testimonial Letter

Industry recognition of performance achievements upon completion of Block 3 for student career portfolio

Study Plan

- Overall, similar in structure as normal curriculum.
- The AU for the 3 PA In Work Term 1, 3 and 4 will be drawn from students' Broadening & Deepening Electives (BDE). Interested students should plan their studies accordingly to free up 13 AU of BDE for the 3 PA.



Participating companies aa August 2021

WSDeg Industry Partners



Knowledge grows



Application

- Students will be invited to apply in Year 2 Semester 1 via email.
- Students can select companies to join for their work term 1. However, ***final placement is decided by companies on a competitive basis.***

MSE Students in WSDeg

- AY2019 – 2
- AY2020 – 8

Timeline

Year 2, Oct	Briefing/ Info Session Application
Year 2, Nov	Closing of applications
Year 2, Jan to Mar	Placement Process for Work term 1
Year 2, Apr	Confirmation of placement for Work term 1
Subsequent	CAO will advise on timelines and process



Display in Official Transcript

Example:

COMPLETED THE DEGREE OF BACHELOR OF ENGINEERING
(MATERIALS ENGINEERING), HONOURS (HIGHEST DISTINCTION)
(A SKILLSFUTURE WORK-STUDY DEGREE)



Withdrawing from the programme

- Placement in WSDeg is competitive
- Withdrawal deprives other students the opportunity to take up WSDeg

CoE's WSDeg Page

<https://www.ntu.edu.sg/engineering/admissions/ug/allprogrammes/highlights/coe-wsdp>



Thank you.