

GRADUATE EMPLOYMENT SURVEY

5,943 fresh graduates and 128 follow-up graduates from NTU were surveyed in November 2022 and the overall response rates obtained were 76.3% and 82.0% respectively.

NTU: 2022 GES Employment Rate¹ and Salaries of Graduates by Bachelor Degree

Degree	Proportion of Graduates in the Labour Force who were		Basic Monthly Salary ⁴		Gross Monthly Salary ⁵			
	Employed ²	In Full-Time Permanent Employment ³	Mean	Median	Mean	Median	25 th Percentile	75 th Percentile
College of Business (Nanyang Business School)								
Accountancy	98.3%	97.6%	\$3,965	\$3,600	\$4,031	\$3,600	\$3,600	\$4,300
Accountancy and Business	98.0%	96.9%	\$5,473	\$4,833	\$5,580	\$4,942	\$4,167	\$6,230
Business	94.5%	86.5%	\$4,407	\$4,000	\$4,503	\$4,015	\$3,600	\$4,800
Double Degree in Business and Computer Engineering/Computing ⁶	100.0%	100.0%	\$6,307	\$6,000	\$6,627	\$6,500	\$6,000	\$7,500
College of Engineering								
Aerospace Engineering	94.0%	93.0%	\$4,752	\$4,800	\$4,899	\$5,000	\$4,160	\$5,500
Bioengineering	93.9%	90.9%	\$4,160	\$4,000	\$4,419	\$4,200	\$3,600	\$5,250
Chemical and Biomolecular Engineering	96.6%	93.3%	\$4,580	\$4,500	\$4,733	\$4,800	\$4,028	\$5,100
Civil Engineering	91.6%	88.4%	\$3,699	\$3,600	\$3,788	\$3,650	\$3,500	\$3,975
Computer Engineering	87.0%	85.2%	\$5,366	\$5,285	\$5,463	\$5,295	\$4,500	\$6,215
Computer Science	94.0%	91.7%	\$5,515	\$5,400	\$5,699	\$5,500	\$4,900	\$6,420
Data Science and Artificial Intelligence*	88.2%	82.4%	\$6,647	\$5,625	\$6,749	\$5,625	\$5,000	\$7,500
Double Degree in Engineering and Economics ^{7*}	100.0%	100.0%	\$5,150	\$5,000	\$5,344	\$5,000	\$4,700	\$5,815
Electrical and Electronic Engineering	92.4%	90.2%	\$4,595	\$4,500	\$4,723	\$4,558	\$4,100	\$5,000
Environmental Engineering	93.5%	90.3%	\$3,988	\$3,800	\$4,139	\$3,900	\$3,700	\$4,500
Information Engineering and Media	95.3%	93.8%	\$5,080	\$4,950	\$5,187	\$4,950	\$4,500	\$5,500
Maritime Studies	96.7%	95.1%	\$3,842	\$3,740	\$3,860	\$3,740	\$3,500	\$4,060
Materials Engineering	94.9%	92.6%	\$4,300	\$4,300	\$4,522	\$4,500	\$3,800	\$5,000
Mechanical Engineering	95.0%	91.3%	\$4,381	\$4,200	\$4,537	\$4,500	\$3,944	\$5,000
College of Humanities, Arts & Social Sciences								
Art, Design and Media	89.5%	63.2%	\$3,303	\$3,200	\$3,372	\$3,200	\$3,000	\$3,600
Chinese	91.8%	70.5%	\$3,408	\$3,300	\$3,566	\$3,600	\$3,060	\$4,015
Communication Studies	94.2%	79.7%	\$3,674	\$3,500	\$3,739	\$3,500	\$3,200	\$4,200
Economics	88.7%	81.7%	\$4,187	\$4,000	\$4,270	\$4,000	\$3,600	\$4,550
English	94.9%	77.2%	\$3,574	\$3,500	\$3,699	\$3,748	\$3,200	\$4,200
History	86.5%	80.8%	\$3,819	\$3,800	\$3,966	\$4,000	\$3,500	\$4,250
Interdisciplinary Double Major ⁸	87.9%	66.7%	\$4,135	\$4,200	\$4,258	\$4,271	\$3,650	\$4,750
Linguistics and Multilingual Studies	94.1%	72.5%	\$3,452	\$3,400	\$3,513	\$3,500	\$3,150	\$3,810
Philosophy*	78.3%	69.6%	\$3,476	\$3,300	\$3,515	\$3,450	\$3,000	\$3,700
Psychology	79.8%	69.7%	\$3,688	\$3,635	\$3,743	\$3,668	\$3,300	\$4,015
Public Policy and Global Affairs	97.9%	95.7%	\$4,122	\$4,088	\$4,167	\$4,123	\$3,650	\$4,500
Sociology	92.9%	87.1%	\$3,816	\$3,789	\$3,904	\$3,800	\$3,450	\$4,200
College of Science								
Biological and Biomedical Sciences ⁹	93.9%	83.2%	\$3,688	\$3,600	\$3,808	\$3,600	\$3,400	\$4,100
Biological Sciences and Psychology*	71.4%	50.0%	\$4,057	\$3,800	\$4,264	\$4,050	\$3,700	\$4,300
Biomedical Sciences and Chinese Medicine ^{12*}	100.0%	90.0%	\$3,300	\$3,100	\$3,415	\$3,175	\$3,080	\$3,300
Chemistry and Biological Chemistry	90.8%	84.0%	\$3,759	\$3,600	\$3,863	\$3,700	\$3,400	\$4,200
Environmental Earth Systems Sciences ^{10*}	100.0%	88.0%	\$4,406	\$4,008	\$4,545	\$4,023	\$3,600	\$4,959
Mathematical Sciences / Mathematical Sciences and Economics ¹¹	86.5%	79.4%	\$4,352	\$4,250	\$4,436	\$4,300	\$3,799	\$4,800
Physics and Applied Physics	91.5%	84.7%	\$3,917	\$4,000	\$4,067	\$4,000	\$3,683	\$4,575

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	Employed ²	In Full-Time Permanent Employment ³	Mean	Median	Mean	Median	25 th Percentile	75 th Percentile
National Institute of Education (NIE)¹³								
Arts (with Education)	100.0%	100.0%	\$3,684	\$4,000	\$4,025	\$4,129	\$3,750	\$4,300
Science (with Education)	100.0%	100.0%	\$4,106	\$4,275	\$4,211	\$4,300	\$4,000	\$4,470
Sports Science and Management	100.0%	74.4%	\$3,657	\$3,350	\$3,762	\$3,350	\$3,200	\$4,266
Lee Kong Chian School of Medicine								
Medicine ¹²	100.0%	100.0%	\$4,779	\$4,700	\$5,532	\$5,600	\$5,199	\$6,000

Source: Graduate Employment Survey jointly conducted by NUS, NTU, SMU, SUTD, SIT and SUSS

Notes:

1. Employment rates refer to the number of graduates employed as a proportion of graduates in the labour force (i.e. those who were working, or not working but actively looking and available for work) as at 1 November 2022 (i.e. approximately six months after completing their final examinations).
 2. Employment refers to graduates working on a full-time permanent, part-time, temporary or freelance basis.
 3. Full-time permanent employment refers to employment of at least 35 hours a week and where the employment is not temporary. It includes those on contracts of one year or more.
 4. Basic monthly salary pertains only to full-time permanently employed graduates. It comprises basic pay before deduction of the employee's CPF contributions and personal income tax. Employer's CPF contributions, bonuses, stock options, overtime payments, commissions, fixed allowances, other regular cash payments, lump sum payments, and payments-in-kind are excluded.
 5. Gross monthly salary pertains only to full-time permanently employed graduates. It comprises basic salary, overtime payments, commissions, fixed allowances and other regular cash payments, before deductions of the employee's CPF contributions and personal income tax. Employer's CPF contributions, bonuses, stock options, lump sum payments, and payments-in-kind are excluded.
 6. Double Degree in Business and Computer Engineering/Computing refers to Business and Computer Engineering, and Business and Computing.
 7. Double Degree in Engineering and Economics refers to Aerospace Engineering and Economics, Chemical & Biomolecular Engineering and Economics, Computer Science and Economics, and Mechanical Engineering and Economics.
 8. Interdisciplinary Double Major refers to English Literature and Art History, Psychology and Linguistics and Multilingual Studies, Economics and Media Analytics, Economics and Psychology, Economics and Public Policy and Global Affairs, Psychology and Media Analytics.
 9. Biological and Biomedical Sciences refers to Biological Sciences and Biomedical Sciences.
 10. Environmental Earth System Science refers to Environmental Earth System Science, and Environmental Earth System Science and Public Policy and Global Affairs.
 11. Mathematical Sciences / Mathematical Sciences and Economics refers to Mathematical Sciences, Mathematical Sciences and Economics, and Mathematics and Economics.
 12. Data on Biomedical Sciences and Chinese Medicine and Medicine graduates is obtained from a follow-up survey on 2021 graduates after they have completed their practical training/housemanship/first-year residency.
 13. National Institute of Education (NIE) is an autonomous institute of NTU.
- * - Data is based on a sample size of fewer than 30 respondents.

Frequently Asked Questions:

1. What is the difference between mean and median salaries?

The mean monthly salary is an average of the salaries of the full-time permanently employed graduates. The median monthly salary is the salary of the 'central' (i.e. 50th Percentile) graduate amongst the full-time permanently employed graduates when they are arranged by salary. It is useful to refer to these two indicators together. The median is a useful reference when the salaries are not symmetrically distributed (e.g. when the group contains graduates with exceptionally low or high salaries, especially when the number of respondents is relatively small).

For example, the median gross monthly salary for NTU Accountancy and Business graduates shows that 50% of the graduates are earning more than \$4,942, and the mean gross monthly salary is \$5,580. This indicates that there are some high earners who have raised the mean salary. In contrast, the mean gross monthly salary of History graduates is relatively similar to the median gross monthly salary. This indicates that the salaries are more evenly distributed on both sides of the median for this group of graduates.

2. What do the 25th and 75th percentile gross monthly salaries indicate?

If there are 100 students from that course who responded, then the 25th percentile (i.e. the lower quartile) gross monthly salary indicates that 25 graduates earn less than that salary, and the 75th percentile (i.e. the upper quartile) indicates that 75 graduates earn less than the gross monthly salary indicated.

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