

GRADUATE EMPLOYMENT SURVEY

5,599 fresh graduates and 114 follow-up graduates from NTU were surveyed in November 2021 and the overall response rates obtained were 75.1% and 78.1% respectively.

NTU: 2021 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	97.7%	93.0%	\$3,505	\$3,300	\$3,539	\$3,400	\$3,100	\$3,500
Accountancy and Business	99.2%	96.2%	\$5,018	\$4,500	\$5,173	\$4,500	\$3,700	\$5,858
Business	96.2%	85.2%	\$4,211	\$4,000	\$4,362	\$4,000	\$3,500	\$4,800
Double Degree in Business and Computer Engineering/Computing	93.8%	87.5%	\$6,418	\$6,300	\$6,578	\$6,300	\$5,250	\$8,225
College of Engineering								
Aerospace Engineering	94.4%	87.3%	\$4,250	\$4,250	\$4,321	\$4,471	\$3,792	\$5,000
Bioengineering	90.9%	75.8%	\$3,480	\$3,483	\$3,654	\$3,500	\$3,300	\$3,850
Chemical and Biomolecular Engineering	91.1%	84.8%	\$3,784	\$3,600	\$3,959	\$3,740	\$3,600	\$4,300
Civil Engineering	97.7%	92.0%	\$3,596	\$3,500	\$3,664	\$3,540	\$3,400	\$3,800
Computer Engineering	95.8%	89.6%	\$4,649	\$4,500	\$4,847	\$4,500	\$4,000	\$5,000
Computer Science	97.0%	91.0%	\$4,871	\$4,800	\$4,924	\$4,800	\$4,200	\$5,450
Double Degree in Engineering and Economics ^{5*}	90.9%	90.9%	\$4,485	\$4,580	\$4,566	\$4,583	\$4,530	\$4,900
Electrical and Electronic Engineering	93.9%	88.6%	\$3,978	\$3,900	\$4,069	\$4,000	\$3,600	\$4,400
Environmental Engineering	96.6%	86.2%	\$3,422	\$3,500	\$3,487	\$3,500	\$3,200	\$3,600
Information Engineering and Media	95.7%	88.6%	\$4,247	\$4,200	\$4,325	\$4,200	\$3,900	\$4,800
Maritime Studies	98.4%	95.2%	\$3,697	\$3,500	\$3,763	\$3,500	\$3,500	\$4,000
Materials Engineering	96.3%	83.0%	\$3,701	\$3,600	\$3,801	\$3,650	\$3,500	\$4,000
Mechanical Engineering	94.0%	86.1%	\$3,845	\$3,700	\$4,006	\$3,800	\$3,570	\$4,400
College of Humanities, Arts & Social Sciences								
Art, Design and Media	86.2%	46.6%	\$3,146	\$3,000	\$3,182	\$3,000	\$2,650	\$3,675
Chinese	87.0%	72.5%	\$3,376	\$3,250	\$3,483	\$3,300	\$3,053	\$3,650
Communication Studies	96.9%	80.8%	\$3,463	\$3,375	\$3,548	\$3,500	\$3,000	\$3,943
Economics	93.5%	88.3%	\$3,658	\$3,500	\$3,720	\$3,650	\$3,300	\$4,000
English	95.5%	64.2%	\$3,254	\$3,300	\$3,354	\$3,500	\$3,000	\$3,600
History	82.2%	66.7%	\$3,724	\$3,675	\$3,800	\$3,675	\$3,500	\$4,000
Inter-Disciplinary Double Major ^{7*}	92.9%	75.0%	\$3,794	\$3,650	\$3,822	\$3,650	\$3,450	\$4,180
Linguistics and Multilingual Studies	87.2%	70.2%	\$3,351	\$3,300	\$3,398	\$3,300	\$3,000	\$3,850
Philosophy	88.5%	57.7%	\$3,394	\$3,400	\$3,502	\$3,400	\$2,915	\$4,480
Psychology	91.8%	71.8%	\$3,342	\$3,300	\$3,362	\$3,350	\$3,000	\$3,500
Public Policy and Global Affairs	83.3%	77.1%	\$4,024	\$3,778	\$4,105	\$3,804	\$3,500	\$4,524
Sociology	91.3%	69.6%	\$3,509	\$3,475	\$3,567	\$3,500	\$3,200	\$3,940
College of Science								
Biological Sciences / Biomedical Sciences ⁸	96.8%	81.7%	\$3,470	\$3,400	\$3,569	\$3,500	\$3,260	\$3,800
Biomedical Sciences and Chinese Medicine ^{9*}	90.9%	77.3%	\$3,023	\$3,100	\$3,119	\$3,100	\$2,890	\$3,300
Chemistry and Biological Chemistry	90.2%	74.4%	\$3,367	\$3,400	\$3,501	\$3,400	\$3,100	\$3,700
Environmental Earth Systems Sciences ^{10*}	100.0%	91.3%	\$3,810	\$3,892	\$3,888	\$3,950	\$3,500	\$4,300
Mathematical Sciences / Mathematical Sciences and Economics ¹¹	91.0%	75.6%	\$3,939	\$3,750	\$4,039	\$3,806	\$3,500	\$4,500
Physics and Applied Physics	84.5%	69.0%	\$3,710	\$3,570	\$3,793	\$3,600	\$3,384	\$4,000

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	Employed ²	In Full-Time Permanent Employment ³	Mean	Median	Mean	Median	25 th Percentile	75 th Percentile
Sports Science and Management								
Sports Science and Management	86.2%	55.4%	\$3,292	\$3,300	\$3,438	\$3,300	\$3,100	\$3,620
National Institute of Education (NIE)¹²								
Arts (with Education)	100.0%	100.0%	\$3,563	\$3,754	\$3,718	\$3,780	\$3,700	\$3,900
Science (with Education)*	100.0%	100.0%	\$3,578	\$3,776	\$3,796	\$3,904	\$3,727	\$4,000
Lee Kong Chian School of Medicine								
Medicine ⁹	100.0%	100.0%	\$4,702	\$4,700	\$5,404	\$5,500	\$5,200	\$5,800

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 2021 (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 Engineering and Economics refers to Aerospace Engineering and Economics, Chemical & Biomolecular Engineering and Economics, Civil Engineering and Economics, Computer Science and Economics, Electrical and Electronic Engineering and Economics, Materials Engineering and Economics, and Mechanical Engineering and Economics.
 7. Interdisciplinary Double Major refers to Economics and Media Analytics, Economics and Psychology, Economics and Public Policy and Global Affairs, English Literature and Art History, Psychology and Linguistics and Multilingual Studies, Psychology and Media Analytics.
 8. Biological / Biomedical Sciences refers to Biological Science, Biological Science and Psychology, and Biomedical Sciences.
 9. Data on Biomedical Sciences and Chinese Medicine and Medicine graduates is obtained from a follow-up survey on 2020 graduates after they have completed their practical training/housemanship/first-year residency.
 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. 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 \$4,500, and the mean gross monthly salary is \$5,173. This indicates that there are some high earners who have raised the mean salary. In contrast, the mean gross monthly salary of Psychology 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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