

GRADUATE EMPLOYMENT SURVEY

5,755 fresh graduates and 99 follow-up graduates from NTU were surveyed in November 2020 and the overall response rates obtained were 79.1% and 83.8% respectively.

NTU: 2020 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	96.0%	88.7%	\$3,213	\$3,000	\$3,228	\$3,000	\$3,000	\$3,100
Accountancy and Business	97.6%	91.3%	\$4,615	\$4,327	\$4,704	\$4,405	\$3,500	\$5,000
Business	95.2%	66.8%	\$3,973	\$3,750	\$4,113	\$3,800	\$3,300	\$4,429
Double Degree in Business and Computer Engineering/Computing	97.4%	97.4%	\$5,216	\$5,200	\$5,537	\$5,400	\$5,000	\$5,750
College of Engineering								
Aerospace Engineering	91.2%	75.8%	\$4,110	\$3,980	\$4,284	\$4,000	\$3,800	\$4,945
Bioengineering	89.1%	43.6%	\$3,428	\$3,400	\$3,473	\$3,450	\$3,200	\$3,800
Chemical and Biomolecular Engineering	95.0%	83.0%	\$3,732	\$3,600	\$3,948	\$3,900	\$3,500	\$4,300
Civil Engineering	95.7%	87.0%	\$3,458	\$3,400	\$3,495	\$3,500	\$3,200	\$3,800
Computer Engineering	97.2%	94.4%	\$4,069	\$4,100	\$4,136	\$4,100	\$3,627	\$4,845
Computer Science	92.2%	86.1%	\$4,508	\$4,250	\$4,558	\$4,300	\$3,880	\$5,000
Double Degree in Engineering and Economics ^{5*}	100.0%	94.1%	\$4,459	\$4,450	\$4,516	\$4,450	\$3,825	\$5,050
Electrical and Electronic Engineering	94.5%	75.1%	\$3,925	\$3,800	\$4,004	\$3,880	\$3,500	\$4,370
Environmental Engineering	90.2%	58.5%	\$3,364	\$3,375	\$3,444	\$3,450	\$3,200	\$3,800
Information Engineering and Media	96.0%	70.0%	\$4,085	\$4,000	\$4,208	\$4,000	\$3,500	\$4,500
Maritime Studies	90.8%	78.5%	\$3,608	\$3,500	\$3,646	\$3,500	\$3,300	\$3,875
Materials Engineering	91.5%	69.0%	\$3,613	\$3,600	\$3,755	\$3,700	\$3,500	\$4,000
Mechanical Engineering	91.7%	67.5%	\$3,861	\$3,700	\$3,977	\$3,850	\$3,500	\$4,432
College of Humanities, Arts & Social Sciences								
Art, Design and Media	90.4%	35.7%	\$2,858	\$2,800	\$2,925	\$2,800	\$2,500	\$3,300
Chinese	83.8%	63.5%	\$3,251	\$3,350	\$3,310	\$3,500	\$3,000	\$3,500
Communication Studies	94.9%	66.7%	\$3,378	\$3,300	\$3,440	\$3,340	\$3,000	\$3,800
Economics	91.8%	63.5%	\$3,756	\$3,700	\$3,926	\$3,797	\$3,400	\$4,050
English	90.9%	43.2%	\$3,507	\$3,450	\$3,561	\$3,450	\$3,128	\$3,900
History	87.2%	44.7%	\$3,558	\$3,575	\$3,644	\$3,650	\$3,250	\$4,025
Inter-Disciplinary Double Major ^{7*}	95.8%	50.0%	\$3,608	\$3,300	\$3,797	\$3,854	\$3,200	\$4,500
Linguistics and Multilingual Studies	96.6%	63.8%	\$3,371	\$3,300	\$3,472	\$3,350	\$3,000	\$3,900
Philosophy	96.3%	70.4%	\$3,417	\$3,300	\$3,580	\$3,650	\$3,300	\$3,850
Psychology	83.8%	53.5%	\$3,315	\$3,200	\$3,433	\$3,300	\$3,100	\$3,650
Public Policy and Global Affairs	92.5%	67.5%	\$3,989	\$3,710	\$4,043	\$3,800	\$3,500	\$4,583
Sociology	95.4%	66.2%	\$3,529	\$3,500	\$3,598	\$3,600	\$3,300	\$3,800
College of Science								
Biological Sciences	88.9%	56.7%	\$3,319	\$3,300	\$3,401	\$3,325	\$3,200	\$3,650
Biomedical Sciences and Chinese Medicine ^{8*}	94.7%	84.2%	\$2,950	\$3,000	\$2,969	\$3,000	\$2,800	\$3,150
Chemistry and Biological Chemistry	91.9%	45.6%	\$3,230	\$3,200	\$3,345	\$3,245	\$3,000	\$3,635
Environmental Earth Systems Sciences*	95.5%	63.6%	\$3,637	\$3,550	\$3,657	\$3,550	\$3,400	\$3,764
Mathematical Sciences	92.4%	68.9%	\$3,746	\$3,600	\$3,823	\$3,656	\$3,300	\$4,250
Mathematics and Economics	87.1%	55.7%	\$3,849	\$3,832	\$3,949	\$3,832	\$3,500	\$4,300
Physics and Applied Physics	92.6%	48.5%	\$3,643	\$3,600	\$3,719	\$3,700	\$3,500	\$3,850

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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	91.5%	52.5%	\$3,494	\$3,240	\$3,661	\$3,300	\$3,000	\$4,200
National Institute of Education (NIE)⁹								
Arts (with Education)	100.0%	98.4%	\$3,582	\$3,798	\$3,682	\$3,799	\$3,600	\$3,806
Science (with Education)	100.0%	100.0%	\$3,660	\$3,799	\$3,744	\$3,800	\$3,700	\$4,000
Lee Kong Chian School of Medicine								
Medicine ⁸	100.0%	100.0%	\$4,775	\$4,700	\$5,387	\$5,250	\$5,000	\$5,900

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 2020 (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 the following double degrees: Aerospace Engineering and Economics, Chemical & Biomolecular Engineering and Economics, Computer Science and Economics, Electrical & Electronic Engineering and Economics, Materials Engineering and Economics
7. Inter-Disciplinary Double Major refers to the following double majors: Economics and Psychology, Economics and Public Policy & Global Affairs, English Literature and Art History, Psychology and Linguistics & Multilingual Studies, Psychology and Media Analytics.
8. Data on Biomedical Sciences and Chinese Medicine and Medicine graduates is obtained from a follow-up survey on 2019 graduates after they have completed their practical training/housemanship/first-year residency.
9. National Institute of Education (NIE) is an autonomous institute of NTU.
10. *: 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 graduates shows that 50% of the graduates are earning more than \$3,000, and the mean gross monthly salary is \$3,228. 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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