

GRADUATE EMPLOYMENT SURVEY

5,909 full-time graduates and 75 follow-up graduates from NTU were surveyed in November 2019 and the overall response rates obtained were 78.4% and 80% respectively.

NTU: 2019 GES Employment Rates¹ and Salaries of Graduates by Bachelor Degree

Degree	Overall Employment Rate (%)	Full-time Permanent Employment Rate (%)	Basic Monthly Salary (\$)		Gross Monthly Salary (\$)			
			Mean	Median	Mean	Median	25 th Percentile	75 th Percentile
College of Business (Nanyang Business School)								
Accountancy	97.5%	94.0%	\$3,220	\$3,000	\$3,254	\$3,000	\$3,000	\$3,200
Accountancy and Business	97.9%	95.2%	\$4,284	\$4,000	\$4,359	\$4,000	\$3,200	\$4,600
Business	93.8%	83.1%	\$3,707	\$3,500	\$3,797	\$3,600	\$3,200	\$4,600
Business and Computing*	94.4%	83.3%	\$4,479	\$4,833	\$4,562	\$4,833	\$3,600	\$5,000
College of Engineering								
Aerospace Engineering	87.5%	80.7%	\$3,816	\$3,700	\$3,939	\$3,800	\$3,500	\$4,600
Aerospace Engineering and Economics**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bioengineering	81.3%	64.1%	\$3,445	\$3,400	\$3,548	\$3,500	\$3,200	\$3,700
Business and Computer Engineering**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Chemical and Biomolecular Engineering	88.6%	78.1%	\$3,681	\$3,600	\$3,921	\$3,800	\$3,500	\$4,300
Chemical & Biomolecular Engineering and Economics**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Civil Engineering	94.9%	90.6%	\$3,525	\$3,400	\$3,582	\$3,500	\$3,300	\$3,900
Computer Engineering and Economics**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Computer Engineering	94.6%	94.6%	\$3,994	\$4,000	\$4,074	\$4,000	\$3,600	\$4,500
Computer Science	97.4%	95.9%	\$4,270	\$4,050	\$4,309	\$4,200	\$3,800	\$4,900
Electrical and Electronic Engineering	92.6%	87.1%	\$3,769	\$3,700	\$3,884	\$3,700	\$3,500	\$4,000
Environmental Engineering	83.9%	77.4%	\$3,574	\$3,500	\$3,596	\$3,510	\$3,400	\$3,800
Environmental Engineering and Economics**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Information Engineering and Media	90.7%	85.3%	\$3,934	\$3,970	\$4,006	\$4,000	\$3,600	\$4,350
Maritime Studies	98.3%	93.2%	\$3,512	\$3,400	\$3,669	\$3,500	\$3,300	\$3,700
Materials Engineering	82.0%	76.0%	\$3,601	\$3,500	\$3,817	\$3,600	\$3,300	\$4,175
Materials Engineering and Economics**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Mechanical Engineering	84.5%	82.1%	\$3,608	\$3,500	\$3,728	\$3,600	\$3,380	\$4,005
Mechanical Engineering and Economics**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
College of Humanities, Arts & Social Sciences								
Art, Design & Media	83.6%	50.9%	\$3,031	\$3,000	\$3,068	\$3,000	\$2,800	\$3,500
Chinese	90.1%	79.0%	\$3,158	\$3,150	\$3,260	\$3,210	\$2,980	\$3,500
Communication Studies	90.4%	69.4%	\$3,220	\$3,200	\$3,264	\$3,200	\$2,800	\$3,500
Economics	88.2%	79.8%	\$3,385	\$3,300	\$3,453	\$3,400	\$3,050	\$3,600
English	83.8%	64.9%	\$2,987	\$3,000	\$2,997	\$3,000	\$2,565	\$3,500
History	73.0%	56.8%	\$3,449	\$3,500	\$3,498	\$3,500	\$3,200	\$3,800
Linguistics And Multilingual Studies	81.7%	65.0%	\$3,265	\$3,160	\$3,365	\$3,200	\$3,000	\$3,740
Philosophy	82.6%	69.6%	\$3,288	\$3,300	\$3,369	\$3,500	\$3,300	\$3,584
Psychology	89.2%	73.1%	\$3,463	\$3,350	\$3,506	\$3,400	\$3,000	\$3,800
Public Policy and Global Affairs	90.2%	87.8%	\$3,756	\$3,691	\$3,868	\$3,850	\$3,500	\$4,345
Sociology	86.9%	70.5%	\$3,305	\$3,200	\$3,441	\$3,300	\$3,040	\$3,600
College of Sciences								
Biological Sciences	81.6%	66.3%	\$3,315	\$3,300	\$3,450	\$3,300	\$3,100	\$3,600
Biomedical Sciences & Chinese Medicine ^{6*}	95.2%	85.7%	\$2,964	\$3,000	\$2,979	\$3,000	\$2,780	\$3,200
Chemistry & Biological Chemistry	80.9%	66.2%	\$3,246	\$3,200	\$3,338	\$3,400	\$3,000	\$3,600

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			Mean	Median	Mean	Median	25 th Percentile	75 th Percentile
College of Sciences								
Environmental Earth Systems Science*	87.5%	79.2%	\$3,401	\$3,500	\$3,416	\$3,500	\$3,200	\$3,500
Mathematical Sciences	91.2%	79.6%	\$3,741	\$3,549	\$3,848	\$3,599	\$3,215	\$4,070
Mathematics & Economics	93.5%	84.8%	\$3,838	\$3,570	\$3,996	\$3,700	\$3,400	\$4,167
Physics & Applied Physics	90.0%	78.6%	\$3,782	\$3,500	\$3,849	\$3,500	\$3,300	\$4,200
Sports Science and Management								
Sports Science and Management	87.0%	55.6%	\$3,289	\$3,200	\$3,438	\$3,350	\$3,000	\$3,660
National Institute of Education (NIE)								
Arts (with Education)	100.0%	100.0%	\$3,629	\$3,800	\$3,710	\$3,800	\$3,600	\$3,806
Lee Kong Chian School of Medicine								
Science (with Education)	100.0%	100.0%	\$3,719	\$3,800	\$3,758	\$3,800	\$3,660	\$3,840
Medicine	100.0%	100.0%	\$4,932	\$4,700	\$5,661	\$5,700	\$5,200	\$6,092

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

Notes:

- The 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 2019 (i.e. approximately six months after completing their final examinations).
- Overall employment rate refers to the number of graduates working on a full-time permanent, part-time, temporary or freelance basis, 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).
- 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.
- 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.
- 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.
- Data on Biomedical Sciences & Chinese Medicine, and Medicine graduates is obtained from a follow-up survey on 2018 graduates after they have completed their practical training/ housemanship/ first-year residency.
- National Institute of Education (NIE) is an autonomous institute of NTU.
- *: Data is based on a sample size of fewer than 30 respondents.
- ** : No data is shown due to the small number of graduates and/ or low response rates.

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 \$3,254. 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.