

## GRADUATE EMPLOYMENT SURVEY

The Graduate Employment Survey (GES) is jointly conducted by NTU, NUS and SMU annually to survey the employment conditions of graduates about six months after their final examinations. The Ministry of Education (MOE) publishes the results of key employment indicators of the survey to provide prospective students with timely and comparable data to assist them in making informed course decisions. 15,365 graduates from the three publicly-funded universities were surveyed and the overall response rate obtained was 72%. MOE has taken all reasonable steps to ensure the accuracy of the data but is not liable for any inaccuracies. Students should make use of the data below at their own discretion.

### NTU: 2013 GES Employment Rates<sup>1</sup> and Salaries of Graduates by Bachelor Degree

Degree	Overall Employment Rate <sup>2</sup> (%)	Full-time Permanent Employment Rate <sup>3</sup> (%)	Basic Monthly Salary <sup>4</sup> (\$)		Gross Monthly Salary <sup>5</sup> (\$)			
			Mean	Median	Mean	Median	25 <sup>th</sup> Percentile	75 <sup>th</sup> Percentile
<b>College of Business (Nanyang Business School)</b>								
Accountancy and Business	97.4	96.1	3701	3200	3727	3350	2900	4000
Accountancy (3-yr direct Honours Programme)	97.1	95.7	2850	2700	2938	2700	2700	2900
Business (3-yr direct Honours Programme)	90.9	85.7	3053	3000	3214	3000	2700	3500
Business and Computing	87.5	87.5	3557	3400	3615	3400	3000	4100
<b>College of Engineering</b>								
Aerospace Engineering	95.3	95.3	3494	3500	3536	3500	3100	3816
Bioengineering	81.3	68.8	2952	2900	3166	3125	2893	3365
Chemical and Biomolecular Engineering	87.3	85.1	3235	3000	3377	3200	3000	3800
Computer Engineering	90.3	88.2	3326	3100	3374	3175	3000	3600
Civil Engineering	94.8	93.8	3091	3000	3182	3100	3000	3380
Computer Science	92.1	88.5	3249	3000	3306	3125	3000	3600
Electrical and Electronic Engineering	91.0	88.7	3133	3000	3187	3100	3000	3440
Environmental Engineering	84.0	81.5	3091	3000	3140	3000	3000	3300
Information Engineering and Media	85.7	79.6	3160	3150	3203	3200	2950	3400
Materials Engineering	82.5	78.9	2989	3000	3096	3000	2800	3300
Mechanical Engineering	91.6	89.5	3125	3000	3226	3100	3000	3500
Maritime Studies	95.6	93.3	3050	3000	3111	3000	2850	3200
<b>College of Humanities, Arts &amp; Social Sciences</b>								
Art, Design & Media	81.6	61.4	2639	2500	2638	2500	2300	2900
Chinese	85.1	80.5	2818	2800	2924	3000	2600	3300
Communication Studies	89.4	79.6	2893	2930	2956	3000	2700	3250
Economics	89.9	83.5	3085	3000	3148	3000	2800	3545
English	82.7	67.3	3087	3000	3179	3100	2800	3400
Linguistics And Multilingual Studies	90.6	81.3	2691	2600	2725	2625	2475	3018
Psychology	82.4	71.8	3007	3000	3061	3000	2750	3255
Sociology	74.4	55.8	2980	3000	3082	3100	2800	3310
<b>College of Sciences</b>								
Biomedical Sciences**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Biomedical Sciences (Traditional Chinese Medicine) <sup>7</sup>	90.7	88.4	2840	2800	2883	2807	2700	3000
Biological Sciences	78.6	68.1	2881	2900	3002	3000	2700	3250
Chemistry & Biological Chemistry	79.8	68.9	2993	3000	3083	3100	2800	3400
Mathematics & Economics	92.2	89.6	3024	3000	3059	3000	2800	3500
Mathematical Science	86.0	83.7	3169	3000	3262	3000	2750	3500
Physics / Applied Physics	80.8	69.2	3164	3000	3208	3300	2900	3400
Sports Science and Management	68.2	59.1	2968	3000	2985	3000	2700	3400
<b>National Institute of Education (NIE)</b>								
Science (with Education) <sup>6</sup>	100.0	100.0	3377	3400	3478	3498	3300	3800
Arts (with Education) <sup>6</sup>	100.0	100.0	3413	3426	3506	3498	3400	3575

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

#### **Additional Notes:**

- 1. The employment rates refer to the number of graduates employed as a proportion of economically active graduates (i.e. graduates who have entered the labour market) as at 1 Nov 2013 (i.e. approximately 6 months after completing their final examinations).**
- 2. Overall employment includes all types of full-time and part-time/temporary employment.**
- 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 deductions of the employee's CPF contributions and personal income tax. Employer's CPF contributions, bonuses, stock options, overtime payments, commissions, allowances, other monetary and lump sum payments, and payments-in-kind are excluded.**
- 5. Gross monthly salary pertains only to full-time permanently employed graduates. It comprises the basic salary, fixed allowances, over-time pay and commissions. Employer's CPF contributions, bonuses, stock options, other lump sum payments, and payments-in-kind are excluded.**
- 6. National Institute of Education (NIE) is an autonomous institute of NTU.**
- 7. Data on Biomedical Sciences (Traditional Chinese Medicine) graduates is obtained from a follow-up survey on 2012 graduates after they have completed their practical training.**
- 8. \*\*: No data is shown due to the small number/proportion of 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 in a set of full-time permanently employed graduates when they are arranged in a sequential order by salary. It is useful to refer to these 2 indicators together. The median is a useful reference when the salary data is not evenly 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, although the median gross monthly salary for the Accountancy and Business course offered by NTU shows that 50% of the graduates are earning \$3,350 or less, the mean gross monthly salary is about \$3,727. This indicates that there are some high earners who have raised the mean salary. In contrast, the mean gross monthly salary of Bioengineering graduates is relatively similar to the median gross monthly salary. This indicates that 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 75 graduates earn more than that salary, and the 75th percentile (i.e. the upper quartile) indicates that 25 graduates earn more than the gross monthly salary indicated.