

## GRADUATE EMPLOYMENT SURVEY

The Graduate Employment Survey (GES) is conducted annually to survey the employment outcomes of the graduates, about six months after completing their final examinations. The 2012 survey is the first to be conducted jointly by NUS, NTU and SMU. The Ministry of Education publishes the results of the key employment indicators of the survey to provide prospective students with timely and comparable data to assist them in making informed course decisions. 14,067 graduates from the three publicly-funded universities were surveyed and the overall response rate obtained was 73%. 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: 2012 GES Employment Rate<sup>1</sup> and Salary of Graduates By Bachelors 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	96.9	95.9	3411	3250	3464	3380	2863	3750
Accountancy (3-yr direct Honours Programme)	97.6	96.5	2924	2700	2969	2720	2700	3000
Business (3-yr direct Honours Programme)	96.3	90.5	3125	3000	3268	3100	2843	3500
Business and Computing	95.2	95.2	3620	3400	3651	3450	3100	4000
<b>College of Engineering</b>								
Aerospace Engineering	87.1	87.1	3443	3300	3578	3500	3025	3809
Bioengineering	77.3	72.7	2920	2900	3044	3000	2800	3375
Chemical And Biomolecular Engineering	92.5	90.7	3208	3000	3314	3275	3000	3709
Computer Engineering	97.0	95.0	3262	3200	3336	3200	3000	3500
Civil Engineering	100.0	100.0	3054	3000	3270	3180	3000	3400
Computer Science	95.9	91.1	3292	3050	3371	3192	2863	3700
Electrical And Electronic Engineering	90.4	87.6	3227	3000	3359	3000	3000	3500
Electrical And Electronic Engineering and Economics**	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Environmental Engineering	80.3	69.7	2988	3000	3176	3099	2800	3375
Information Engineering And Media	90.9	87.9	2905	3000	2974	3000	2600	3319
Materials Engineering	86.4	81.3	3042	3000	3206	3032	2888	3400
Mechanical Engineering	90.6	88.1	3051	3000	3272	3100	2810	3500
Maritime Studies	95.7	93.6	3234	3000	3336	3000	2800	3670
<b>College of Humanities, Arts &amp; Social Sciences</b>								
Art, Design & Media	81.4	61.9	2766	2700	2783	2700	2400	3025
Chinese	95.5	90.9	3031	3100	3157	3180	2975	3450
Communication Studies	93.1	83.6	2811	2800	2941	2900	2500	3200
Economics	84.9	81.1	3110	3000	3190	3000	2725	3534
English	90.2	70.5	3122	3200	3179	3250	2750	3500
Linguistics And Multilingual Studies	88.9	66.7	3039	3081	3066	3100	2813	3300
Psychology	90.0	72.0	2891	2750	2953	2800	2500	3302
Sociology	87.5	77.1	3056	3123	3162	3200	2800	3588
<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>	96.7	96.7	2751	2819	2830	3000	2350	3228
Biological Sciences	85.4	74.3	2902	2800	3055	3000	2700	3260
Chemistry & Biological Chemistry	84.2	79.2	3029	3000	3127	3100	2800	3450
Mathematics & Economics	87.5	82.1	3121	3000	3180	3125	2800	3500
Mathematical Science	94.4	83.3	3192	3200	3364	3200	3000	3600
Physics / Applied Physics	85.3	76.5	3198	3100	3284	3200	2900	3703
<b>National Institute of Education (NIE)</b>								
Science (with Education) <sup>6</sup>	100.0	100.0	3250	3300	3428	3467	3200	3600
Arts (with Education) <sup>6</sup>	100.0	100.0	3293	3400	3430	3467	3250	3500

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

#### **Additional Notes:**

- 1. Employment rate refers to the proportion of economically active graduates (i.e. graduates who have entered the labour market) who were employed as at 1 Nov 2012, approximately 6 months after completing their final examinations.**
- 2. Overall employment includes 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 refers to the basic pay before deduction of the employee CPF contributions and personal income tax. Employer CPF contributions, bonuses, overtime payments, commissions, allowances (on shift, food, housing, transport, etc.), other monetary and payments-in-kind are excluded.**
- 5. Gross monthly salary pertains only to full-time permanently employed graduates. It refers to the sum of basic salary, overtime payments, commissions, allowances and other regular cash payments before deduction of employee CPF contributions and personal income tax. However, it excludes employer CPF contributions, bonuses, stock options, lump sum payments, and payments-in-kind.**
- 6. National Institute of Education (NIE) is an autonomous institute of NTU.**
- 7. Data on Biomedical Sciences—Traditional Chinese Medicine are obtained from a follow-up survey on 2011 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 the 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 Business course offered by NTU shows that 50% of the graduates are earning \$3,100 or less, the mean gross monthly salary is about \$3,268. This indicates that there are some high earners who have raised the mean salary. In contrast, the mean gross monthly salary of Aerospace Engineering 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 25 graduates earn more than the 75th percentile (i.e. the upper quartile) of the Gross Monthly Salary indicated.