**Ministry of Education, Singapore**

**GRADUATE EMPLOYMENT SURVEY**

# 5,836 graduates from NTU were surveyed in November 2016 and the overall response rate obtained was 77.0%.

**NTU: 2016 GES Employment Rates**1 **and Salaries of Graduates by Bachelor Degree**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Degree** | **Overall Employment Rate2** | **Full-Time Permanent Employment Rate3** | **Basic Monthly Salary**4 | | **Gross Monthly Salary**5 | | | |
| **Mean** | **Median** | **Mean** | **Median** | **25th Percentile** | **75th Percentile** |
| **College of Business (Nanyang Business School)** | | | | | | | | |
| Accountancy | 97.3% | 95.1% | $3,027 | $2,900 | $3,063 | $2,900 | $2,900 | $3,100 |
| Accountancy and Business | 97.4% | 96.6% | $3,836 | $3,500 | $3,893 | $3,500 | $3,100 | $4,250 |
| Business | 89.6% | 77.1% | $3,348 | $3,200 | $3,444 | $3,300 | $3,000 | $3,800 |
| Business and Computing | 94.4% | 94.4% | $4,232 | $4,000 | $4,407 | $4,600 | $3,800 | $5,000 |
| **College of Engineering** | | | | | | | | |
| Aerospace Engineering | 82.4% | 77.9% | $3,761 | $3,625 | $3,840 | $3,675 | $3,350 | $4,435 |
| Aerospace Engineering and Economics\*\* | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| Bioengineering | 77.8% | 63.9% | $3,151 | $3,200 | $3,317 | $3,237 | $3,000 | $3,510 |
| Business and Computer Engineering\*\* | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| Chemical And Biomolecular Engineering | 80.6% | 72.6% | $3,336 | $3,225 | $3,476 | $3,400 | $3,200 | $3,800 |
| Civil Engineering | 92.4% | 91.6% | $3,407 | $3,250 | $3,505 | $3,300 | $3,200 | $3,800 |
| Computer Engineering | 83.3% | 75.9% | $3,792 | $3,500 | $3,833 | $3,500 | $3,300 | $4,420 |
| Computer Science | 94.6% | 91.4% | $3,784 | $3,500 | $3,848 | $3,500 | $3,300 | $4,333 |
| Electrical And Electronic Engineering | 89.1% | 83.6% | $3,443 | $3,300 | $3,517 | $3,400 | $3,190 | $3,800 |
| Environmental Engineering | 80.6% | 74.2% | $3,156 | $3,100 | $3,216 | $3,100 | $2,800 | $3,400 |
| Information Engineering And Media | 94.6% | 87.5% | $3,496 | $3,350 | $3,570 | $3,350 | $3,000 | $4,000 |
| Maritime Studies | 94.2% | 88.5% | $3,305 | $3,300 | $3,328 | $3,398 | $3,083 | $3,500 |
| Materials Engineering | 81.3% | 73.5% | $3,197 | $3,200 | $3,317 | $3,300 | $3,000 | $3,500 |
| Materials Engineering and Economics\*\* | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| Mechanical Engineering | 86.0% | 79.9% | $3,417 | $3,300 | $3,505 | $3,350 | $3,050 | $3,959 |
| 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 | 79.7% | 46.6% | $2,718 | $2,700 | $2,761 | $2,700 | $2,500 | $3,000 |
| Chinese | 91.1% | 74.7% | $3,239 | $3,300 | $3,345 | $3,300 | $3,050 | $3,500 |
| Communication Studies | 87.7% | 69.6% | $2,938 | $2,900 | $2,996 | $3,000 | $2,575 | $3,365 |
| Economics | 91.3% | 79.3% | $3,385 | $3,300 | $3,440 | $3,300 | $3,000 | $3,850 |
| English | 75.0% | 54.2% | $2,974 | $3,000 | $2,997 | $3,000 | $2,700 | $3,400 |
| History | 87.2% | 76.6% | $3,027 | $3,000 | $3,082 | $3,000 | $2,700 | $3,500 |
| Linguistics And Multilingual Studies | 81.8% | 61.8% | $3,283 | $3,315 | $3,368 | $3,365 | $2,960 | $3,500 |
| Psychology | 82.1% | 66.7% | $3,083 | $3,100 | $3,136 | $3,200 | $2,800 | $3,500 |
| Public Policy And Global Affairs\*\* | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. | N.A. |
| Sociology | 86.1% | 63.9% | $3,279 | $3,300 | $3,480 | $3,500 | $3,000 | $3,850 |
| **College of Sciences** | | | | | | | | |
| Biomedical Sciences & Chinese Medicine6 | 94.4% | 88.9% | $2,525 | $2,400 | $2,577 | $2,500 | $2,150 | $2,800 |
| Biological Sciences | 80.5% | 64.0% | $3,132 | $3,100 | $3,222 | $3,175 | $3,000 | $3,550 |
| Chemistry & Biological Chemistry | 80.6% | 64.2% | $3,119 | $3,000 | $3,234 | $3,149 | $2,925 | $3,500 |
| Mathematical Sciences | 88.5% | 76.9% | $3,453 | $3,400 | $3,535 | $3,500 | $3,200 | $3,750 |
| Mathematics & Economics | 89.4% | 72.7% | $3,346 | $3,150 | $3,458 | $3,300 | $3,000 | $3,750 |
| Physics / Applied Physics | 85.7% | 77.1% | $3,578 | $3,350 | $3,683 | $3,450 | $3,100 | $4,000 |
| **Sports Science and Management** | | | | | | | | |
| Sports Science and Management | 83.1% | 66.1% | $3,196 | $3,100 | $3,272 | $3,200 | $2,825 | $3,500 |
| **National Institute of Education (NIE)** | | | | | | | | |
| Arts (with Education)7 | 100.0% | 100.0% | $3,337 | $3,500 | $3,525 | $3,525 | $3,400 | $3,615 |
| Science (with Education)7 | 100.0% | 100.0% | $3,438 | $3,500 | $3,546 | $3,525 | $3,500 | $3,850 |

## Notes:

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

1. 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 2016 (i.e. approximately six months after completing their final examinations).
2. Overall employment includes all types of full-time, part-time, temporary and freelance 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, 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 the 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. Data on Biomedical Sciences & Chinese Medicine graduates is obtained from a follow-up survey on 2015 graduates after they have completed their practical training.
7. National Institute of Education (NIE) is an autonomous institute of NTU.
8. \*\*: No data is shown due to the small number of graduates and/or low response rates.

## Frequently Asked Questions:

### *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 Computer Science course offered by NTU shows that 50% of the graduates are earning more than $3,500, and the mean gross monthly salary is about $3,848. This indicates that there are some high earners who have raised the mean salary. In contrast, the mean gross monthly salary of Linguistics and Multilingual Studies 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.

### *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.

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