



Australian
National
University

Graduate Destination Report 2015

ANU Colleges of Science

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The report was compiled using data from the 2015 Australian Graduate Survey (AGS), which captures information on the destination of ANU Colleges of Science graduates at The Australian National University, approximately four months after they have completed their program. This report can be used to give an indication of the numerous directions that graduates take after completing their degree. While the AGS obtains information about the start of graduates' career paths, it does not provide information on where they eventually find themselves in terms of life-long professions and objectives. Please note that completion of the AGS is voluntary and the statistics do not represent the entire body of students graduating for that year.

- A total of 463 graduates from the ANU Colleges of Science (including combined programs) participated in the survey.
- 70% of undergraduates who were available for full-time work, were working full-time at the time of the survey.
- 81% of students completing postgraduate coursework, who were available for full-time work, were working full-time at the time of the survey.
- 80% of full-time employed graduates were employed in Australia. Of those employed overseas, the greatest proportions were working in the United States of America and Singapore.
- Within 4 months after graduation, graduates reported being employed in the public sector (66%) versus the private (27%) or not for profit (8%) sectors.
- Of those graduates working full-time, 75% were not seeking a new role, indicating good levels of job satisfaction.
- The average gross annual Australian starting salary for graduates of the colleges was \$56,737 for undergraduates (n = 20), \$63,079 for postgraduate coursework (n = 15).
'n' indicates the number of responses
- Graduates relied on a broad range of methods to locate their employment including internet advertisements (21%), university source (14%), approached employer directly (13%) and family or friends (13%).
- 38% of students completing undergraduate programs, were enrolled in further full-time study.

Further information is available from:

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Introduction

This report was compiled using Australian National University data from the 2015 Australian Graduate Survey (AGS) which captured information on the destination of all 2014 ANU Colleges of Science (Science) graduates, approximately four months after completing their program of study.

A total of 463 graduates from Science participated in the survey. The following tables and charts provide more detailed information about the destinations of graduates from Science.

Table 1: Respondents by level of study to the AGS, 2015

Program Career	Respondents
Undergraduate	273
Postgraduate	94
Higher Degree Research	96
Total	463

Employment Rates

Seventy-seven percent (77%) of Science graduates, who were available for full-time employment, were working full-time at the time of the survey. See table 2 and 2A below:

Table 2: Employment rates of graduates available for full time employment by level of study, 2015

Employment Outcome (4 months after graduation)	Undergraduate	Postgraduate	Higher Degree Research	All Study Levels
In Full-time Employment	70%	81%	85%	77%
Seeking Full-time Employment	30%	19%	15%	23%
Total	100%	100%	100%	100%

Table 2A: Full-time employment rates by residency status and level of study, 2015

Residency	Program Career	Full-time Employment	Seeking Full-time Employment	Total
Australian	Undergraduate	72%	28%	100%
	Postgraduate	91%	9%	100%
	Higher Degree Research	84%	16%	100%
Australian Total		80%	20%	100%
Overseas	Undergraduate	54%	46%	100%
	Postgraduate	47%	53%	100%
	Higher Degree Research	86%	14%	100%
Overseas Total		68%	32%	100%
Grand Total		77%	23%	100%

Employment Location

Eighty percent (80%) of full-time employed Science graduates were employed in Australia (Table 3). For details of countries of employment, see Table 4 following.

Table 3: Locations of full-time employment, by student residency status and level of study, 2015

Residency	Program Career	No Details	Australian Employment	Overseas Employment	Total
Australian	Undergraduate	0%	95%	5%	100%
	Postgraduate Coursework	0%	98%	2%	100%
	Higher Degree Research	2%	77%	21%	100%
Australian Total		1%	91%	9%	100%
Overseas	Undergraduate	0%	14%	86%	100%
	Postgraduate Coursework	0%	86%	14%	100%
	Higher Degree Research	0%	24%	76%	100%
Overseas Total		0%	33%	67%	100%
Grand Total		0%	80%	19%	100%

Table 4: Countries of full time employment, by student residency status and level of study, 2015

Residency	Country of Employment	Undergraduate	Postgraduate	Higher Degree Research	Total
Australian	Australia	74	47	39	160
	Canada			1	1
	Finland			1	1
	France			2	2
	Hong Kong (SAR of China)	1			1
	Iraq		1		1
	Japan			1	1
	Norway			1	1
	United Kingdom, nfd	2		1	3
	United States of America			2	2
	Australian Total		77	48	48
Overseas	Australia	1	6	6	13
	Canada			2	2
	China (excludes SARs and Taiwan Province)	1		1	2
	France			1	1
	Germany			1	1
	India		1		1
	Indonesia			2	2
	Japan			1	1
	Korea, Republic of (South)			1	1
	New Zealand	1		1	2
	Singapore	3		1	4

Residency	Country of Employment	Undergraduate	Postgraduate	Higher Degree Research	Total
	Sweden			1	1
	Switzerland			3	3
	Taiwan	1			1
	Thailand			2	2
	United States of America			2	2
Overseas Total		7	7	25	39
Grand Total		84	55	73	212

Employment Sectors

Approximately four months after graduation, Science graduates reported being employed in the public sector with an overall average of sixty-six percent (66%), followed by the private sector with twenty-seven percent (27%). See Chart 1.

Chart 1: Employment sectors of full-time employed graduates, by level of study, 2015

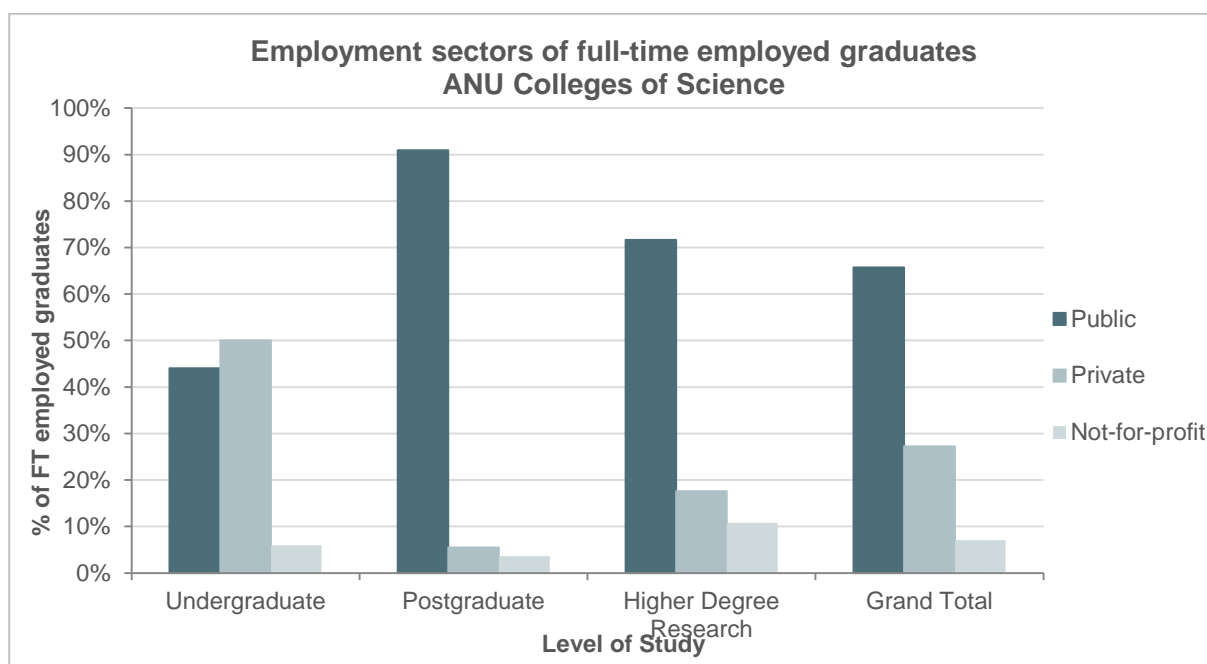


Chart 1a: Employment sectors of full-time employed domestic graduates, by level of study, 2015

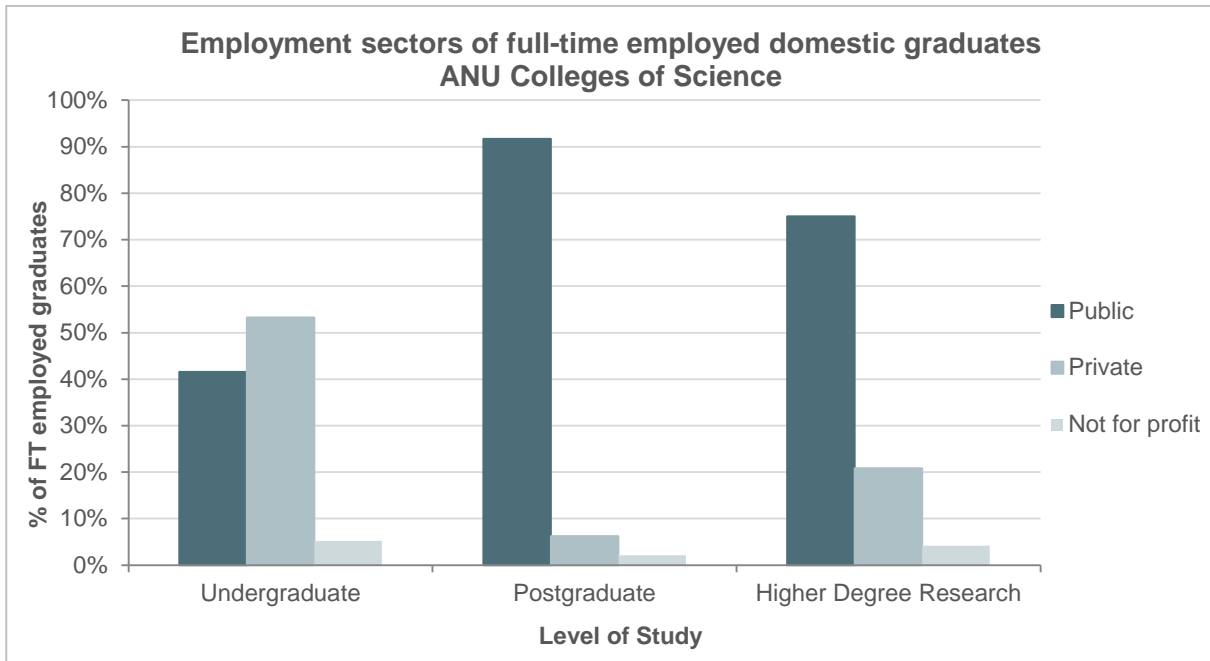
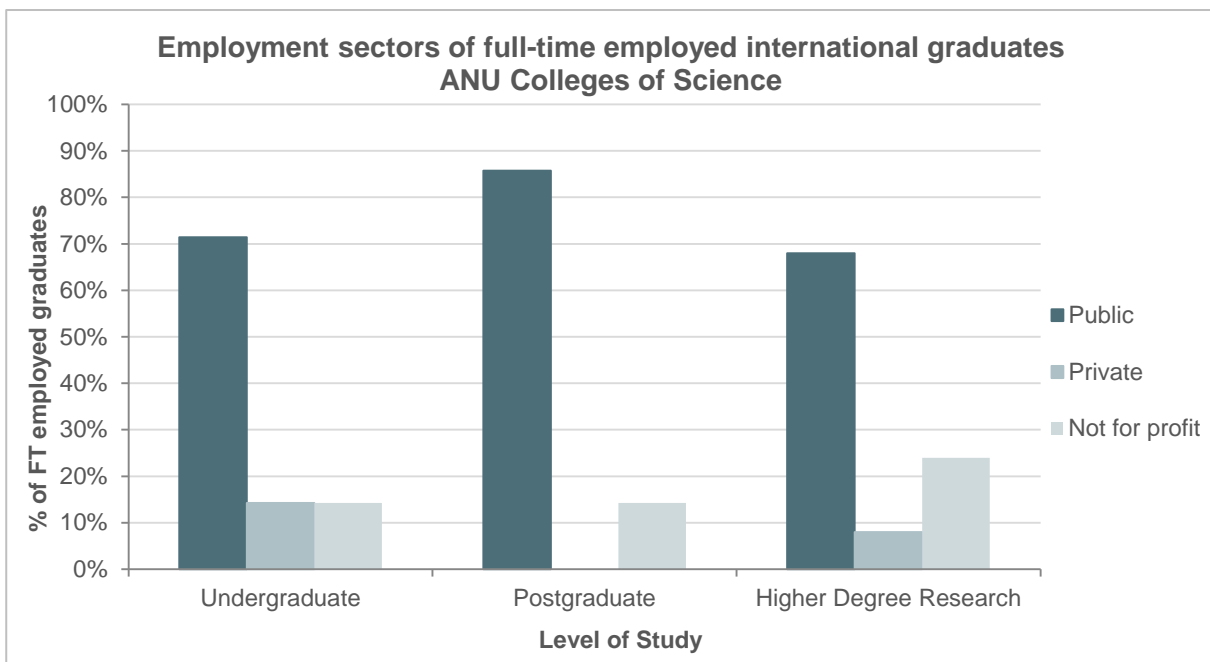


Chart 1b: Employment sectors of full-time employed international graduates, by level of study, 2015



Job Satisfaction

When full-time employed Science graduates were asked if they were seeking a new job, seventy-five percent (75%) responded they were not, which may indicate good levels of job satisfaction. See Table 5.

Table 5: Science graduates in full-time employment seeking a new job, 2015

Seeking a new job	Undergraduate	Postgraduate	Higher Degree Research	Total
Yes	31%	15%	26%	25%
No	69%	85%	73%	75%
No Details	0%	0%	1%	0%
Grand Total	100%	100%	100%	100%

Graduate Salaries

Respondents working full-time in Australia were asked to provide their gross salary details. Fifty-four (54) respondents reported being in their first full-time job, with an average salary of \$56,737 for undergraduates, \$63,079 for postgraduate coursework graduates. Salaries for employment overseas have not been included, as currencies and wage scales are not comparable between countries. See Table 6 following.

Table 6: Science graduate salaries, full-time employment in Australia, 2015

Job History	Data	Undergraduate	Postgraduate	Higher Degree Research	Total
First Full-time Job	No. of Respondents	20	15	19	54
	Average Salary	\$56,737	\$63,079	\$74,807	\$64,857
Not First Full-time Job	No. of Respondents	13	20	19	52
	Average Salary	\$49,275	\$78,318	\$88,789	\$74,883
Total Respondents		33	35	38	106
Total Average of Salary		\$53,797	\$71,787	\$81,798	\$69,775

Job Search Methods

Twenty-one percent (21%) of Science graduates in full-time employment found their current job via internet advertisements. Other successful job methods were university source, approached employer directly, and family or friends. See Chart 2 and Table 7 following.

Chart 2: Successful job search methods of Science graduates, 2015

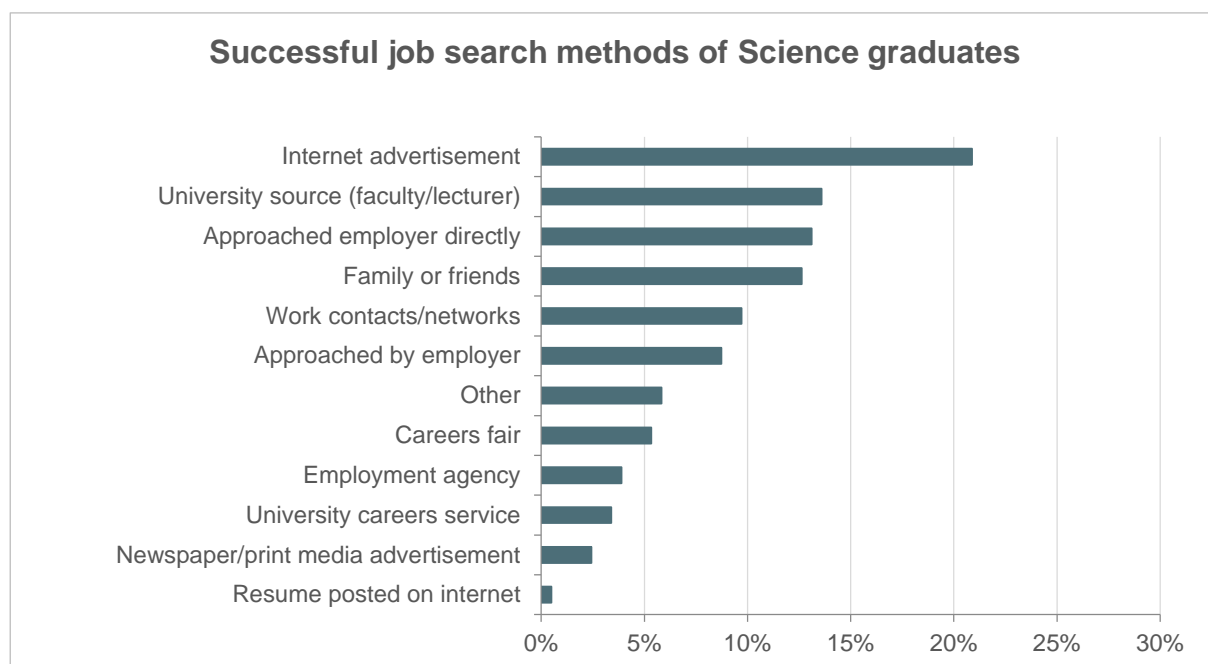


Table 7: Successful job search methods of Science graduates, 2015

Successful Job Search Methods	Undergraduate	Postgraduate	Higher Degree Research	All study Levels
Internet advertisement	22%	8%	29%	21%
University source (faculty/lecturer)	15%	20%	8%	14%
Approached employer directly	5%	12%	23%	13%
Family or friends	22%	4%	8%	13%
Work contacts/networks	2%	12%	16%	10%
Approached by employer	4%	20%	7%	9%
Other	7%	8%	3%	6%
Careers fair	10%	4%	1%	5%
Employment agency	9%	2%	0%	4%
University careers service	1%	8%	3%	3%
Newspaper/print media advertisement	2%	4%	1%	2%
Resume posted on internet	1%	0%	0%	0%
Grand Total	100%	100%	100%	100%

Industries

The top employment industries for CECS full-time employed graduates are indicated in Chart 3 and Table 8 following. Table 8a shows domestic graduates and table 8b shows international graduates top employment industries.

Chart 3: Top five Industries employing Science graduates, 2015

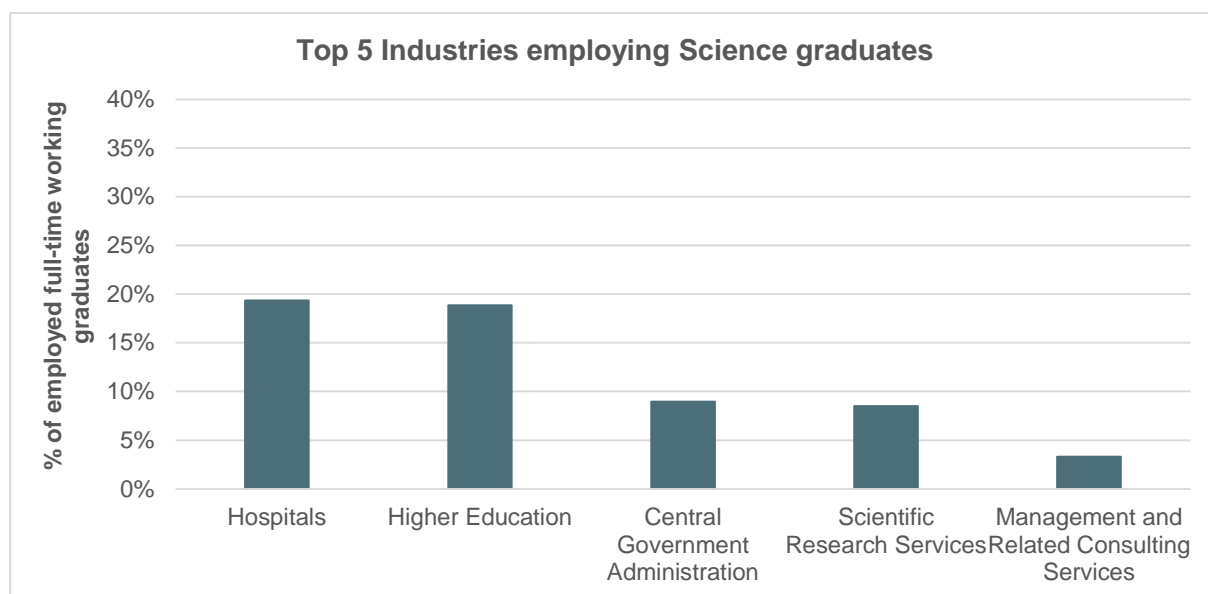


Table 8: Full-time employment industries for Science graduates, 2015

Industry Description	%
Hospitals	19%
Higher Education	19%
Central Government Administration (i.e. Federal Government)	9%
Scientific Research Services	8%
Management and Related Consulting Services	3%
Public Administration	3%
Computer System Design and Related Services	3%
Secondary Education	2%
State Government Administration	2%
Scientific Testing and Analysis Services	2%
Allied Health Services	2%
Museum Operation	2%
Other Social Assistance Services	1%
Market Research and Statistical Services	1%
Accounting Services	1%
Engineering Design and Engineering Consulting Services	1%
Medical Services	1%
Employment Services	1%
Technical and Vocational Education and Training	1%
On Selling Electricity and Electricity Market Operation	1%
Defence	1%
Pharmaceutical and Other Store-Based Retailing	1%
Metal Ore Mining	1%
Parks and Gardens Operations	1%

Table 8a: Top 10 full time employment industries for Science domestic graduates, 2015

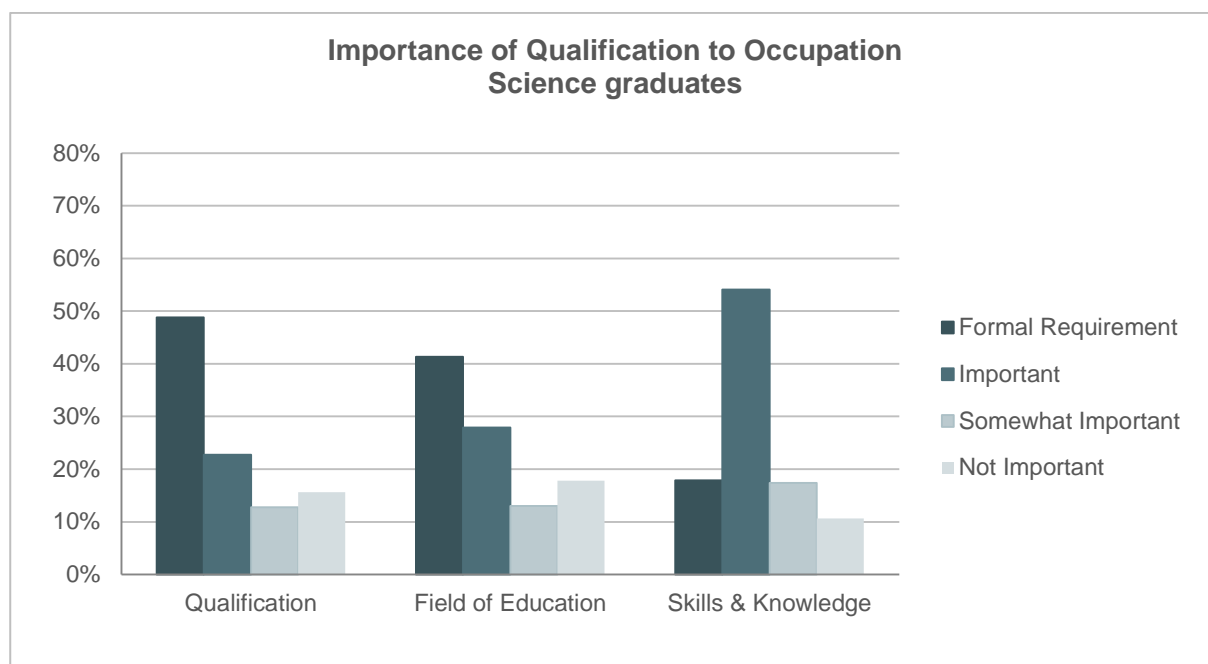
Industry Description	Total
Hospitals	21%
Higher Education	13%
Central Government Administration (i.e. Federal Government)	11%
Scientific Research Services	5%
Management and Related Consulting Services	4%
Public Administration	3%
Computer System Design and Related Services	3%
Secondary Education	3%
State Government Administration	3%
Museum Operation	2%

Table 8b: Top full time employment industries for SCI international graduates, 2015

Industry Description	Total
Higher Education	44%
Scientific Research Services	23%
Hospitals	13%
Scientific Testing and Analysis Services	5%
Technical and Vocational Education and Training	5%
Medical Services	3%
Parks and Gardens Operations	3%
On Selling Electricity and Electricity Market Operation	3%
Other Social Assistance Services	3%

The chart below following indicates the importance Science graduates thought of their qualification once in full-time employment. Seventy-two percent (72%) of graduates thought their skills and knowledge were either important or a formal requirement for their employment.

Chart 4: Importance of qualification, field and skills in full-time employment, 2015



Employers

In Table 9 following are the main employers of Science graduates by level of study, compiled from the 2015 survey.

Table 9: Main employers of Science full-time employed graduates, 2015

Program Career	Employer
Undergraduate	ANU
	ACT Health
	BHP Billiton
	Price Waterhouse Coopers
	Dept. of Agriculture
	ACT Health
Postgraduate	NSW Health
	Canberra Hospital
	Health Directorate
	Self Employed
	Australian Institute of Health and Welfare
	Dept. of Health
	Questacon
	ANU
Higher Degree Research	Dept. of Health
	Griffith University

Many ANU graduates complete combined degrees; hence the wide range of first listed majors, that may or may not be associated with this college. To preserve anonymity of individuals some majors with limited employers have been aggregated to the Other category.

Table 10: Full-time employers by first major (field of education) listed by each graduate on their returned survey, 2015

First Major	Employer
Behavioural Science	ABS
	ACT Health
	ANU
	Asian Women Welfare Association
	Australian Institute of Health and Welfare
	Caitlin Lance, Consultant Psychologist
	Catholic Education
	Crescendo Partners
	Deloitte
	Dept. of Communications
	Dymocks Bookshop
	KB Psychology & Consulting Services
	Marist Youth Care
	people2people
	Price Waterhouse Coopers
	Public Service
	Biological Sciences
Au Posford Consultants	
Australian Primary Health Care Research Institute	
Caldera Health	
Canberra Hospital	
Canberra Sleep Clinic	
Dept. of Agriculture	
Dept. of Health	
Dept. of Human Services	
Dept. of Parliamentary Services	
Dept. of the Environment	
Epicycles Pty Ltd	
Grains Research and Development Corporation	
IGA	
Institute Curie	
Intertek Testing Services	
Japanese Society for the Promotion of Science	
McDonalds Australia	
NSW Trade & Investment	
Questacon	
Royal Netherlands Institute for Sea Research	
Self Employed	

First Major	Employer
	Structural Genomics Consortium, Toronto
	Thammasat University
	The National Disability Insurance Agency
	The Ravenbourne School
	University of Neuchatel
	University of Sydney
	Western Australia government
Chemical Sciences	ANU
	BHP Billiton
	Bundoora Secondary College
	Chemist Warehouse
	Dept. of Industry
	Ecole Polytechnique Federale de Lausanne
	Epichem
	Museum of Cultural History, University of Oslo
	Oak Ridge National Laboratory
	The Glenmore Hotel, The Rocks
	University of Muenster
	University of British Columbia
	University of Canberra
Communication And Media Studies	ANSTO
	Australian Research Council
	Questacon
	UXC Consulting
Earth Sciences	Australian Energy Market Commission
	Australian Information Industry Association
	BHP Billiton
	Centre Nationale de la Recherche Scientifique
	Dept. of Defence
	Dept. of the Environment
	DownUnder Geosolutions
	Geoscience Australia
	Green Army
	Macquarie University
	Model Earth
	Self Employed
	Seoul National University
	University of Western Australia
Forestry Studies	Center for International Forestry Research
	Hancock Victorian plantations
	National Parks Board Singapore
Mathematical Sciences	ANU
	Baotou Power Management Department
	Ernst & Young
Medical Studies	ACT Health

First Major	Employer
	Canberra Hospital Health Directorate Health Service Illawarra Shoalhaven Local Health District Logan Hospital Nepean Hospital NSW Health Port Macquarie Base Hospital QLD Health Western NSW Local Health District - Dubbo Base Hos
Other Natural And Physical Sciences	A*STAR Accenture Australia ACT Health ANU Bakers Delight Baylor College of Medicine Columbia University Dept. of Defence Dept. of Health James Cook University John Curtin School of Medical Research Linköping University, Sweden National University of Singapore Shie-Liang Edmond Hsieh The Peter MacCallum Cancer Centre Umr-S 769 - Labex Lermite Walk in Centre
Physics And Astronomy	ABS ANU CSIRO Dept. of Justice Dept. of Social Services Griffith University Safe Radiation University of Adelaide University of Cambridge University of Pennsylvania University of Victoria Xi'an Jiaotong University
Public Health	Australian Institute of Health and Welfare Dept. of Health Dept. of Social Services Griffith University Melbourne Health Natl Cntr for Immunisation Research & Surveillance

First Major	Employer
Studies In Human Society	NT Government
	Thailand Environment Institute
	Calvary Health Care ACT
	Iraq National Shelter Cluster
Other, including: -Banking, Finance And Related Fields -Computer Science -Economics And Econometrics -Electrical And Electronic Engineering And Technology -Engineering And Related Technologies -Language And Literature -Law -Manufacturing Engineering And Technology -Natural And Physical Sciences -Other Society and Culture -Performing Arts -Philosophy And Religious Studies -Sales And Marketing	Teach for Australia
	Attorney-General's Department
	Australian Energy Market Commission
	Camino Research & Strategy
	Clean Energy Regulator
	Dixon Advisory
	Esprit
	HCS Recruitment
	Institute of Health and Welfare
	Insurance Australia Group
	Lockheed Martin Australia
	Mindshare
	Mirboo North secondary college
	Palantir Technologies
	Parliament House Health and Recreation Centre
	Precision Metals
Price Waterhouse Coopers	
Productivity Commission	
QuintessenceLabs pty ltd	
Seeing Machines Ltd	
SMS Management and Technology	

Table 11a: Full time occupation by field of education (First Major listed by each graduate on their returned survey), for Science domestic graduates, 2015

First Major	Occupation
Banking, Finance And Related Fields	Analyst
	Pricing Analyst
Behavioural Science	Analyst
	Caseworker
	Clinical Psychologist
	Consultant
	Data Analyst
	Graduate Officer
	Lecturer
	Management Consultant
	People Manager
	Policy Officer
	Psychologist
	Research Assistant

First Major	Occupation
Biological Sciences	Retail Assistant
	Teacher
	Analyst
	Cashier
	Communications Manager
	Crew Member
	Director
	Junior Medical Officer
	Laboratory Chemist
	Parliamentary Officer
	Postdoctoral Research Fellow
	Project Manager
	Project Officer
	Records Officer
	Researcher
	Science Communicator
	Senior Research Officer
	Senior Research Scientist
	Sleep Technician
	Snr Project Officer
	Teacher
Technical Officer	
Technical Supervisor	
Chemical Sciences	Bar Attendant
	Chemist
	Pharmacy Assistant
	Policy Officer
	Postdoctoral Research Fellow
	Research Administrator
	Research Assistant
	Research Fellow
	Teacher
	National Practice Lead
Communication And Media Studies	Outreach Presenter
	Public Servant
	Science Communicator
	Senior Project Officer
	Forward Deployed Engineer
Computer Science	Software Engineer
	Adviser
Earth Sciences	Consultant
	Electronics Engineer
	Exploration Geologist
	Geophysicist
	Green Army Participant

First Major	Occupation
	Member Communications
	Policy Officer
	Postdoctoral Research Fellow
	Receptionist
	Senior Geological Consultant
	Spatial Analyst
	Sustainability Consultant
	Synchrotron Research Fellow
Economics And Econometrics	Senior Research Economist
Electrical And Electronic Engineering And Technology	Consultant
Engineering And Related Technologies	Design Engineer
	Regulatory Officer
	Web Developer
Environmental Studies	Administration Officer
	Designer
	Environmental Consultant
	Graduate Project Officer
	Postdoctoral Research Fellow
	Research Assistant
	Resource/Administrator
Forestry Studies	District Forester
Language And Literature	Sales Assistant
Manufacturing Engineering And Technology	Hardware Engineer
	Software Engineer
Mathematical Sciences	Consultant
	Programmer
	Tutor
Medical Studies	Chemical Pathology Registrar
	Doctor
	Junior Medical Officer
Natural And Physical Sciences	Aps 4
	Leading Teacher
Other Engineering And Related Technologies	Pharmacy Assistant
Other Natural And Physical Sciences	Administration Assistant
	Laboratory Assistant
	Postdoctoral Research Fellow
	Regulatory Scientist
	Research Assistant
	Sales Assistant
	Signals Analyst
Performing Arts	Food & Beverage Attendant
	Gym Instructor
Physics And Astronomy	Analyst
	Engineer

First Major	Occupation
	Field Officer
	Postdoctoral Research Fellow
	Research Associate
	Technical Assistant
	Technical Officer
Political Science And Policy Studies	Project Officer
	Student Administrative Assistant
Public Health	Assistant Director
	Clinical Nurse Consultant
	Data Analyst
	Director
	Epidemiologist
	Research Officer
Sales And Marketing	Business Assistant
	Market Research Analyst
Studies In Human Society	Junior Medical Officer
	Teacher

Many ANU graduates complete combined degrees; hence the wide range of first listed majors, that may or may not be associated with this college.

Table 11b: Full time occupation by field of education (First Major listed by each graduate on their returned survey), for Science international graduates, 2015

First Major	Occupation
Behavioural Science	Learning Support Educator
Biological Sciences	Lecturer
	Postdoctoral Research Fellow
	Scientist
Chemical Sciences	Administration Assistant
	Postdoctoral Research Fellow
Earth Sciences	Postdoctoral Research Fellow
	Research Associate
Environmental Studies	Postdoctoral Research Fellow
	Research Associate
Forestry Studies	Manager
	Scientist
Mathematical Sciences	Data Analyst
	Tutor
Medical Studies	Doctor
	Junior Medical Officer
Other Natural And Physical Sciences	Postdoctoral Research Fellow
	Research Assistant
	Research Fellow
	Research Officer

First Major	Occupation
	Research Scientist
	Scientist
Physics And Astronomy	Postdoctoral Research Fellow
Public Health	Project Manager
	Research Fellow

Further Study

Thirty-eight percent (38%) of Science undergraduates have continued with further full-time study, see Table 12 and 12A. Table 13 shows further full-time study levels.

Table 12: Further study activities by completed level of study, 2015

Further Study Activities	Level of Completed Study		
	Undergraduate	Postgraduate	Higher Degree Research
Further Full-time Study	38%	14%	1%
Further Part-time Study	4%	7%	3%
Not in Study/No Details	58%	79%	96%
Grand Total	100%	100%	100%

Table 12A: Further study activities by residency status and level of completed study, 2015

Residency Status	Level of Completed Study	Further Full-time Study	Further Part-time Study	Not in Study/No Details	Total
Australian	Undergraduate	36%	4%	60%	100%
	Postgraduate	9%	11%	80%	100%
	Higher Degree Research	2%	5%	94%	100%
Australian Total		25%	5%	69%	100%
Overseas	Undergraduate	46%	3%	51%	100%
	Postgraduate	27%	0%	73%	100%
	Higher Degree Research	0%	0%	100%	100%
Overseas Total		26%	1%	73%	100%
Grand Total		25%	5%	70%	100%

Table 13: Further full-time study levels, 2015

Further Study Activities	Further Study Level	Level of Completed Study			Total
		Undergraduate	Postgraduate	Higher Degree Research	
In further full-time study	Undergraduate	20%	2%	0%	12%
	Postgraduate	11%	3%	1%	7%
	Higher Degree Research	6%	7%	0%	5%
	Other	1%	1%	0%	1%
In further full-time study Total		38%	14%	1%	25%
In further part-time study		4%	7%	3%	5%
Not in Study/No Details		58%	79%	96%	70%
Grand Total		100%	100%	100%	100%

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