



Australian
National
University

Graduate Destination Report 2014

ANU Colleges of Science

Evaluations Team
Planning and Performance Measurement
The Australian National University
Acton ACT 0200 Australia
evaluations@anu.edu.au
<http://unistats.anu.edu.au/surveys>

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The report was compiled using data from the 2014 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 431 graduates from the ANU Colleges of Science (including combined programs) participated in the survey.
- 67% of undergraduates who were available for full-time work, were working full-time at the time of the survey.
- 74% of students completing postgraduate coursework, who were available for full-time work, were working full-time at the time of the survey.
- 81% 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 Malaysia.
- Within 4 months after graduation, graduates reported being employed predominately in the public sector (59%) versus the private (29%) or not for profit (8%) sectors.
- Of those graduates working full-time, 78% were not seeking a new role, indicating good levels of job satisfaction.
- 34% of students completing undergraduate programs, were enrolled in further full-time study.
- The average gross annual Australian starting salary for graduates of the colleges was \$58,889 for undergraduates (n = 36), \$74,565 for higher degree by research (n = 17).
'n' indicates the number of responses
- Graduates relied on a broad range of methods to locate their employment including internet advertisements (19%), approached employer directly (12%) and work contacts/networks (12%).

Further information is available from:

Evaluations Team

Planning and Performance Measurement, ANU

evaluations@anu.edu.au

<http://unistats.anu.edu.au/surveys/gds/>

Introduction

This report was compiled using Australian National University data from the 2014 Australian Graduate Survey (AGS) which captured information on the destination of all 2013 ANU Colleges of Science (Science) graduates, approximately four months after completing their program of study.

A total of 431 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, 2014

Program Career	Respondents
Undergraduate	255
Postgraduate	82
Higher Degree Research	94
Total	431

Employment Rates

Seventy five percent (75%) 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, 2014

Employment Outcome (4 months after graduation)	Undergraduate	Postgraduate	Higher Degree Research	All Study Levels
In Full-time Employment	67%	74%	87%	75%
Seeking Full-time Employment	33%	26%	13%	25%
Total	100%	100%	100%	100%

Table 2A: Full-time employment rates by residency status and level of study, 2014

Residency	Program Career	Full-time Employment	Seeking Full-time Employment	Total
Australian	Undergraduate	70%	30%	100%
	Postgraduate	82%	18%	100%
	Higher Degree Research	86%	14%	100%
Australian Total		77%	23%	100%
Overseas	Undergraduate	47%	53%	100%
	Postgraduate	38%	63%	100%
	Higher Degree Research	89%	11%	100%
Overseas Total		64%	36%	100%
Grand Total		75%	25%	100%

Employment Location

Eighty one percent (81%) 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, 2014

Residency	Program Career	No Details	Australian Employment	Overseas Employment	Total
Australian	Undergraduate	1%	94%	5%	100%
	Postgraduate	3%	94%	3%	100%
	Higher Degree Research	4%	80%	16%	100%
Australian Total		3%	89%	8%	100%
Overseas	Undergraduate	0%	50%	50%	100%
	Postgraduate	0%	0%	100%	100%
	Higher Degree Research	6%	35%	59%	100%
Overseas Total		4%	36%	61%	100%
Grand Total		3%	81%	16%	100%

Table 4: Countries of full time employment, by student residency status and level of study, 2014

Residency	Country of Employment	Undergraduate	Postgraduate	Higher Degree Research	Total
Australian	Australia	74	31	41	146
	Chile	1			1
	China (excludes SARs & Taiwan Province)			1	1
	England	1			1
	Finland			1	1
	France			2	2
	Germany			2	2
	Papua New Guinea		1		1
	United Kingdom, nfd			1	1
	United States of America	2		1	3
	Australian Total		78	32	49
Overseas	Australia	4		7	11
	Bhutan		1		1
	Canada			1	1
	China (excludes SARs & Taiwan Province)	1			1
	Germany			1	1
	Hong Kong (SAR of China)	1			1
	Indonesia			1	1
	Japan			1	1
	Malaysia	2		3	5
	Nepal		1		1
	Sri Lanka			1	1
	United States of America			1	2
	Overseas Total		8	3	17
Grand Total		86	35	66	187

Employment Sectors

Approximately four months after graduation, Science graduates reported being employed predominantly in the public sector with an overall average of fifty-nine percent (59%), followed by the private sector with twenty-nine percent (29%). See Chart 1.

Chart 1: Employment sectors of full-time employed graduates, by level of study, 2014

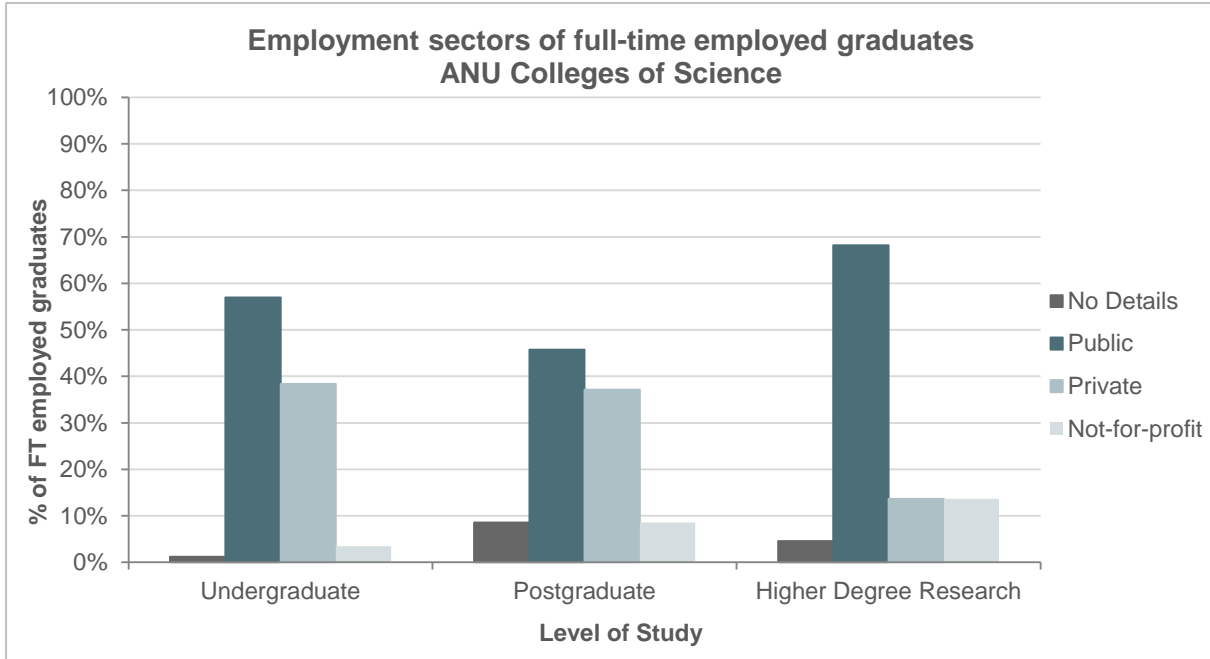


Chart 1a: Employment sectors of full-time employed domestic graduates, by level of study, 2014

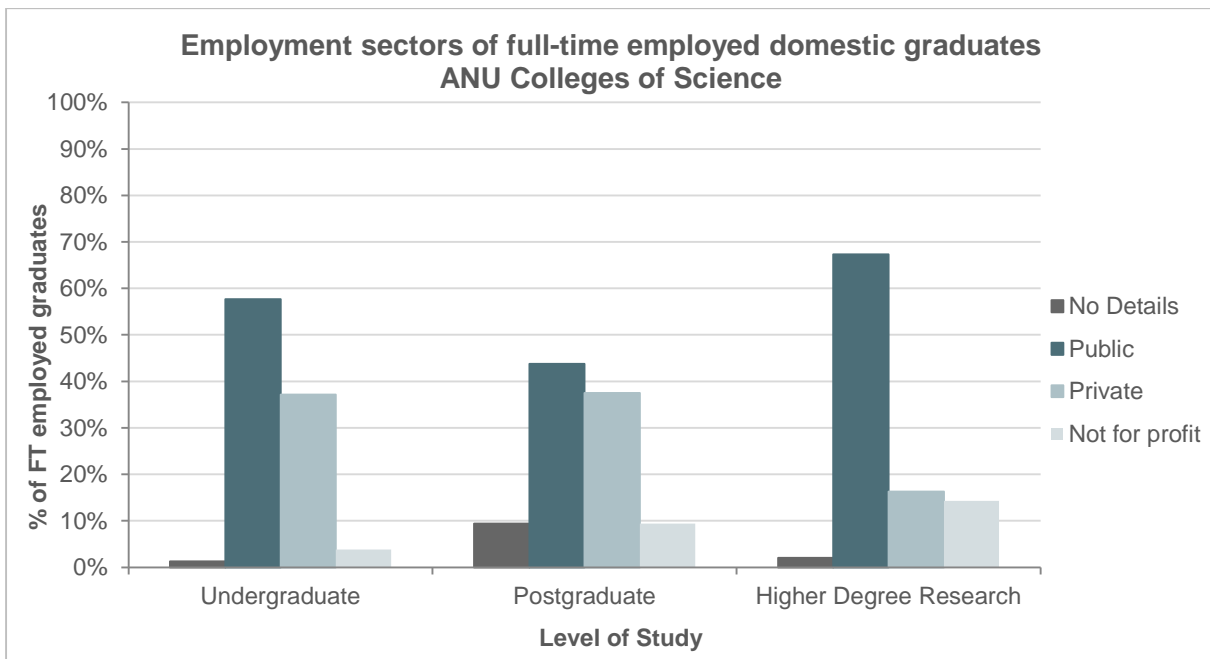
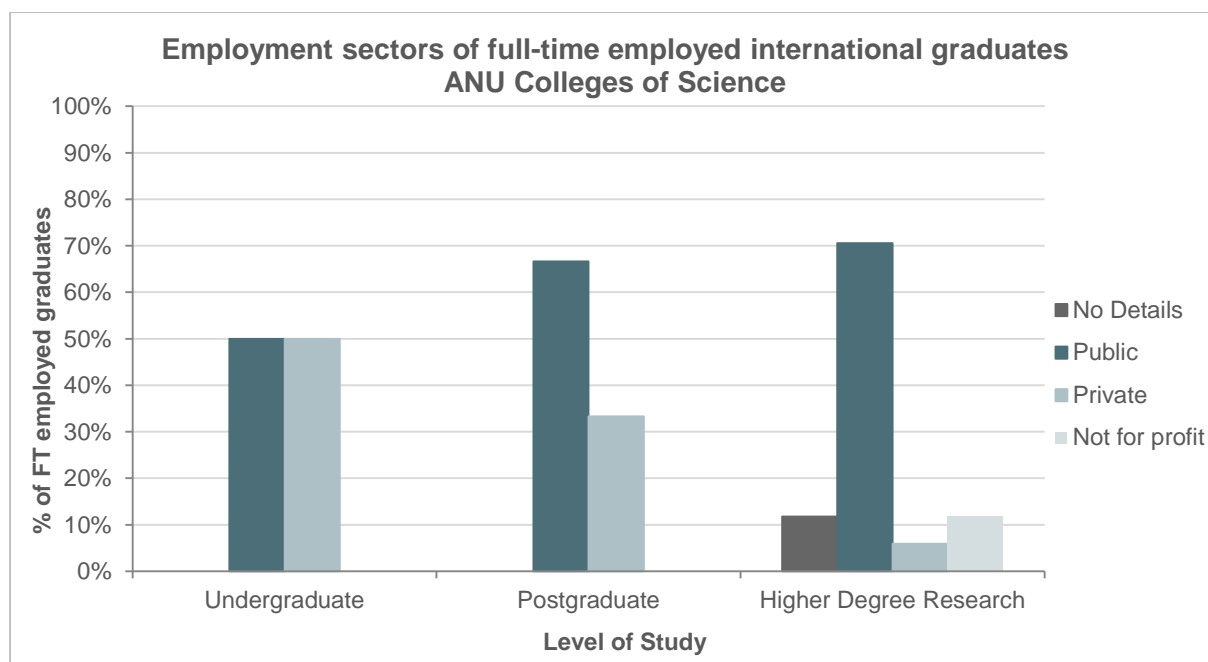


Chart 1b: Employment sectors of full-time employed international graduates, by level of study, 2014



Job Satisfaction

When full-time employed Science graduates were asked if they were seeking a new job, seventy-eight percent (78%) 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, 2014

Seeking a new job	Undergraduate	Postgraduate	Higher Degree Research	Total
Yes	21%	26%	18%	21%
No	78%	74%	80%	78%
No Details	1%	0%	2%	1%
Grand Total	100%	100%	100%	100%

Graduate Salaries

Most respondents working full-time in Australia provided their gross salary details. Fifty-eight (58) respondents reported being in their first full-time job, with an average salary of \$58,889 for undergraduates, \$72,200 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, 2014

Job History	Data	Undergraduate	Postgraduate	Higher Degree Research	Total
First Full-time Job	No. of Respondents	36	5	17	58
	Average Salary	\$58,889	\$72,200	\$74,565	\$64,631
Not First Full-time Job	No. of Respondents	28	19	18	65
	Average Salary	\$56,456	\$87,832	\$79,133	\$71,907
Total Respondents		64	24	35	123
Total Average of Salary		\$57,825	\$84,575	\$76,914	\$68,476

Job Search Methods

Approximately twenty percent (19%) of Science graduates in full-time employment found their current job via internet advertisements. Other successful job methods were work contacts/networks, approached employer directly. See Chart 2 and Table 7 following.

Chart 2: Successful job search methods of Science graduates, 2014

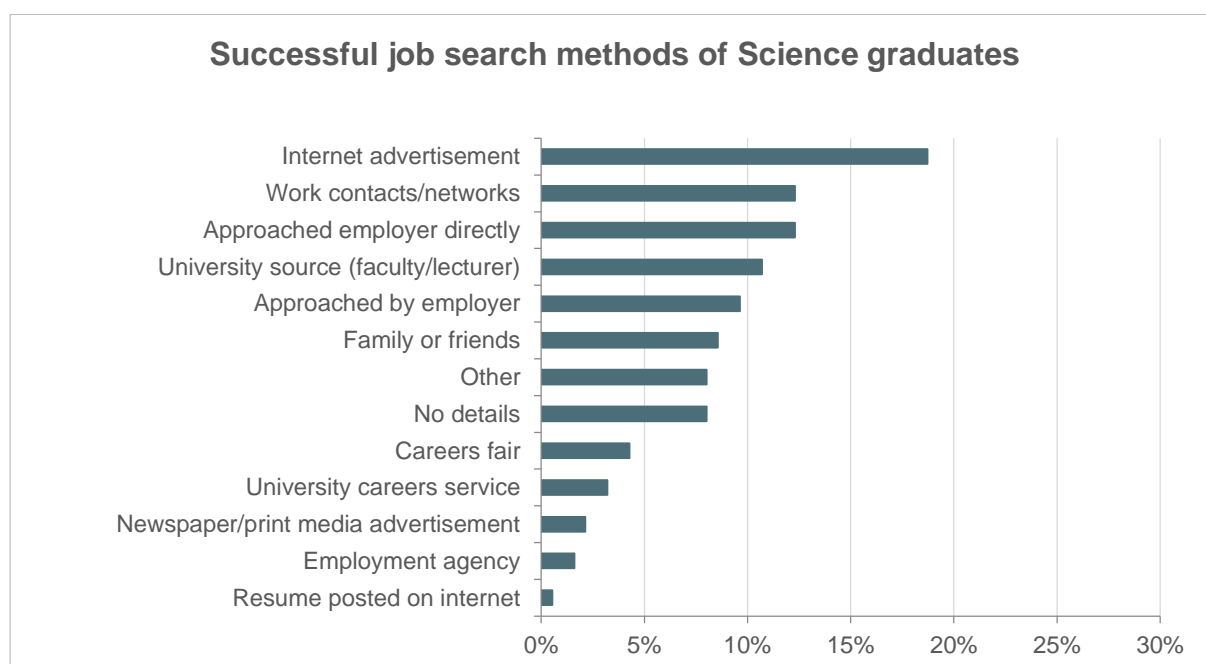


Table 7: Successful job search methods of Science graduates, 2014

Successful Job Search Methods	Undergraduate	Postgraduate	Higher Degree Research	All study Levels
Internet advertisement	16%	17%	23%	19%
Approached employer directly	13%	6%	15%	12%
Work contacts/networks	12%	11%	14%	12%
University source (faculty/lecturer)	14%	0%	12%	11%
Approached by employer	8%	14%	9%	10%
Family or friends	10%	6%	8%	9%
Other	7%	14%	6%	8%
No details	7%	9%	9%	8%
Careers fair	8%	3%	0%	4%
University careers service	3%	3%	3%	3%
Newspaper/print media advertisement	0%	9%	2%	2%
Employment agency	0%	9%	0%	2%
Resume posted on internet	1%	0%	0%	1%
Grand Total	100%	100%	100%	100%

Industries

The top five employment industries for Science full-time employed national graduates were in Higher Education (21%), Hospitals (13%), Central Government Administration (12%), Scientific Research Services (7%) and Management & Related Consulting Services (6%). See Chart 3 and Table 8 on the following page. Table 8a shows domestic graduates and Table 8b shows international graduates top 10 employment industries.

Chart 3: Top five Industries employing Science graduates, 2014

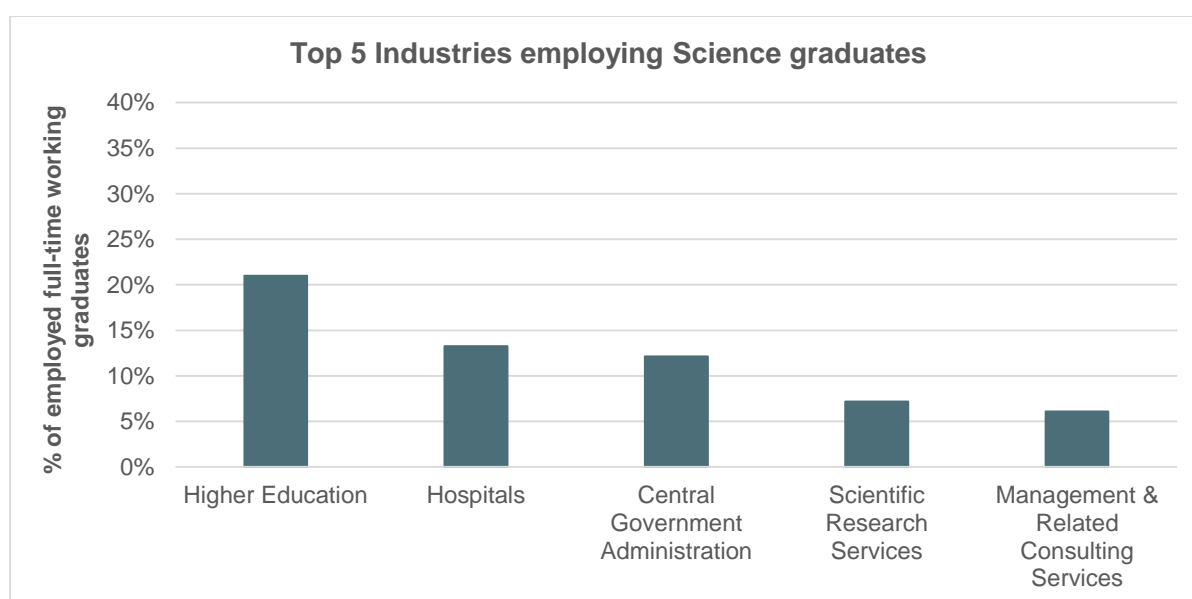


Table 8: Full-time employment industries for Science graduates, 2014

Industry Description	%
Higher Education	21%
Hospitals	13%
Central Government Administration (i.e. Federal Government)	12%
Scientific Research Services	7%
Management and Related Consulting Services	6%
Civic, Professional and Other Interest Group Services	6%
Museum Operation	2%
Engineering Design and Engineering Consulting Services	2%
Computer System Design and Related Services	2%
Medical Services	2%
Scientific Testing and Analysis Services	2%
Allied Health Services	2%
Defence	2%
Accounting Services	2%
Secondary Education	1%
Regulatory Services	1%
Adult, Community and Other Education	1%
Advertising Services	1%
Government Representation	1%
Legal Services	1%
State Government Administration	1%
Medical and Other Health Care Services	1%
Pharmaceutical and Other Store-Based Retailing	1%
Local Government Administration	1%
Specialised Machinery and Equipment Manufacturing	1%
Specialised Food Retailing	1%
Other Social Assistance Services	1%
Superannuation Funds	1%
Telecommunications Services	1%
Amusement and Other Recreation Activities	1%
Public Administration	1%
Specialised Industrial Machinery and Equipment	1%
Wholesaling	1%
Public Order and Safety Services	1%
Clothing, Footwear and Personal Accessory Retailing	1%
Veterinary Services	1%
Surveying and Mapping Services	1%
Agriculture	1%
Non-Financial Intangible Assets (Except Copyrights) Leasing	1%
Accommodation	1%
Market Research and Statistical Services	1%

Table 8a: Top 10 full time employment industries for Science domestic graduates, 2014

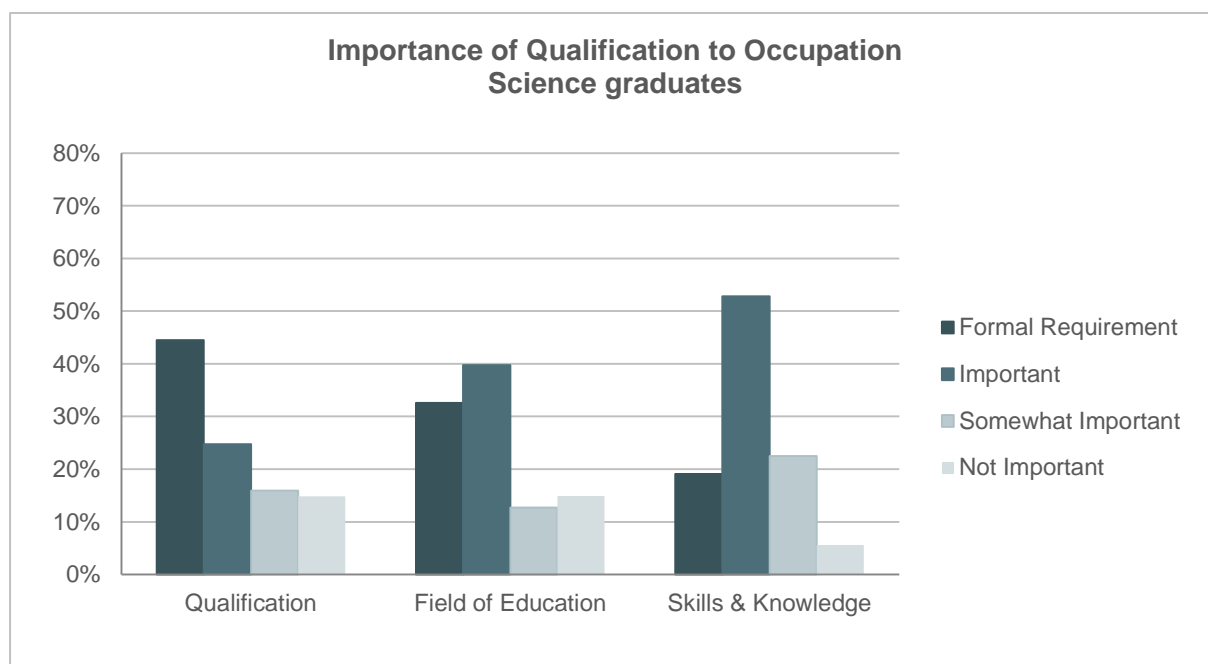
Industry Description	Total
Higher Education	18%
Central Government Administration (i.e. Federal Government)	14%
Hospitals	13%
Management and Related Consulting Services	7%
Civic, Professional and Other Interest Group Services	6%
Scientific Research Services	6%
Medical Services	3%
Museum Operation	3%
Scientific Testing and Analysis Services	2%
Allied Health Services	2%

Table 8b: Top 10 full time employment industries for SCI international graduates, 2014

Industry Description	Total
Higher Education	41%
Hospitals	15%
Scientific Research Services	15%
Computer System Design and Related Services	7%
Government Representation	7%
Accounting Services	4%
Medical and Other Health Care Services	4%
Adult, Community and Other Education	4%
Engineering Design and Engineering Consulting Services	4%

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 field of education were either important or a formal requirement for their employment.

Chart 4: Importance of qualification, field and skills in full-time employment, 2014



Employers

In Table 9 following are the main employers of Science graduates by level of study, compiled from the 2014 survey.

Table 9: Main employers of Science full-time employed graduates, 2014

Program Career	Employer
Undergraduate	ACT Health/Canberra Hospital
	The Australian National University
	Department of Industry
	ACT Government
	Pricewaterhouse Coopers
	Questacon
	Department of Human Services
	CSIRO
	Accenture
	Postgraduate
Department of Education	
Australian Defence	
Department of the Environment	
Higher Degree Research	The Australian National University
	University of Queensland
	Australian Government

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, 2014

First Major	Employer
Behavioural Science	ACT Health/Canberra Hospital
	AusAID
	Australian Taxation Office
	Department of Health
	Department of Human Services
	Department of Infrastructure and Regional Development
	DibbsBarker
	IP Australia
	Mental Illness Fellowship Victoria
	National Critical Care and Trauma Response Centre
	Pharmaceutical Society of Australia
	SupportLink Integrated Services Framework
	Telstra Corporation Limited
	The Australian National University
	The Australian Psychological Society
	The Centre for Gambling Research ANU
	The Diplomat Hotel
	University Putra Malaysia
	University of Queensland
	Biological Sciences
Australian Defence	
Australian Museum	
Centenary Institute	
Children's Hospital Los Angeles	
CSIRO	
Department of Education	
Department of Human Services	
Department of Social Services	
Department of the Environment	
Diversity Arrays Technology	
International Centre for Radio Astronomy Research	
JDRF	
Lush Australasia	
Muffin Break Woden	
Murdoch University	
Queanbeyan City council	
Questacon	

First Major	Employer
	Rothamsted Research
	SABA
	SMEC
	The Animal Medical Centre
	The Australian National University
	The university of Queensland
	Therapeutic Goods Administration
	University of Canberra
	University of Helsinki
Chemical Sciences	Atlassian
	Chemistry Teaching and Learning ANU
	CSIRO
	Global Medical Solutions
	InnovaGreenTech
	Questacon
	SMS Management and Technology
	The Australian National University
Computer Science	Australian Bureau of Statistics
	Australian Customs and Border Protection Service
	Microsoft Corporation
Earth Sciences	Australian Defence
	Department of Education
	Dixon Advisory
	Frogtech Pty Ltd
	Geoscience Australia
	GHD
	KPMG
	Northern Resource Consultants
	Precipice Training
	The Australian National University
Environmental Studies	Australian Government
	Department of Industry
	Department of the Environment
	Gross National Happiness Commission
	Hyder Consulting Pty Ltd
	National Environmental Research Program
	The Liberal Party of Australia
Forestry Studies	Ministry of Forests
	Salwood Asia Pacific Pty Ltd
	Terramatrix
Mathematical Sciences	Echnical University of Malaysia Malacca
	IBM
	Karlsruhe Institute of Technology
	Leibniz Universität Hannover
	Quantium
	Sanata Dharma University

First Major	Employer
Medical Studies	University of Peradeniya, Sri Lanka ACT Government ACT Health/Canberra Hospital Australian Defence Harvard NSW health Queensland Health
Natural And Physical Sciences	Australian Renewable Energy Agency Mazenod College WA The Australian National University
Other Natural And Physical Sciences	Hot dollar Pricewaterhouse Coopers Queensland Institute of Medical Research Research The Australian National University University of Queensland
Physics And Astronomy	DIIRSTE (Aus Federal Govt) Institute of Astronomy Ku Leuven Belgium Laboratory Kastler Brossel (LKB) Learning Port Sdn. Bhd. Oak Ridge National Lab The Australian National University The University of Melbourne The university of Paris Sud Tokyo Institute of Technology University Paderborn University of Queensland Windlab World Wide Technology
Political Science And Policy Studies	Aither Deloitte Department of Agriculture Department of Industry Sunway Environmental Technology LTD Sustineo
Public Health	Abt JTA pty ltd Australasian College of Health Service Management Australian Government Australian Institute of Health and Welfare Davies-Beach Medical (NSW) Pty Ltd Department of Health Public Health Agency of Canafa The Australian National University WHO
Studies In Human Society	Australian Foundation for Mental Health Research

First Major	Employer
	Australian Government
	Noetic Solutions Pty Ltd
	Self-employed
	The Australian National University
	UNSW Canberra
Other, including:	Accenture
-Communication And Media Studies	ACT Government
-Economics And Econometrics	Australian College of Nursing
-Electrical And Electronic Engineering And Technology	Country Fire Authority
-Engineering And Related Technologies	Department of the Environment
-Language And Literature	Office of the Gene Technology Regulator
-Law	Pgl
-Other Society and Culture	Pricewaterhouse Coopers
-Philosophy And Religious Studies	Tetlow Tigwell Watch

Table 11a: Full time occupation by field of education (First Major listed by each graduate on their returned survey), for Science domestic graduates, 2014

First Major	Occupation	
Behavioural Science	Assistant director	
	Complex Billing Consultant	
	Customer Service Operator	
	Departmental Officer	
	Evaluation Officer	
	events coordinator	
	Graduate	
	Legal Secretary	
	IPsychologist	
	Manager	
	Membership Officer	
	Not comfortable disclosing	
	Postdoctoral Research Fellow	
	Postdoctoral research Fellow / Assistant Lecturer	
	Psychologist	
	Receptionist	
	Referral Coordinator	
	Research Assistant	
	Support worker	
	Trauma Research Project Officer	
	Biological Sciences	APS Graduate
		Assistant Ecologist
barista		
Circus Coordinator Support		
Departmental Officer		

First Major	Occupation
	Evaluator
	Intelligence Analyst
	Laboratory Technician
	Lecturer
	National Student Recruitment Coordinator
	Outreach and Education Officer
	Plant scientist
	Postdoctoral Fellow
	Postdoctoral research associate
	Questacon Assistant
	Receptionist
	Research Assistant
	research communications/administration officer
	Research Development Coordinator
	Research Scientist
	Retail assistant
	Science communication officer
	Scientific Officer
	Secondary Science Teacher
	Senior Project Officer
	Social Media Advisor
	Sustainability Officer
	Technical Officer
	Veterinary nurse (training)
Chemical Sciences	Consultant
	Front of House and Gallery Coordinator
	Graduate Developer
	Laboratory Technical Assistant
	Postdoctoral Fellow
	Radio-chemist
	Research Officer
Communication And Media Studies	Community Education Project Officer
Computer Science	Software Development Engineer
	Supervisor Sourcing and Vendor Management
	Systems Administrator
Earth Sciences	Manager, Management Consulting
	Geochemist
	Geoscientist
	Geospatial and Research Analyst
	Hydrogeochemist
	Investment Analyst
	Principal Instructor
	Program manager
	Water Planner
Economics And Econometrics	Acting Assistant Director

First Major	Occupation
	Policy Manager
Electrical & Electronic Engineering And Technology	Consultant
Engineering And Related Technologies	Analyst
	IT Consultant
Environmental Studies	Office Administration
	Policy Officer
	Public Servant
	Senior Environmental Consultant
Forestry Studies	Analyst - Bushfire Analysis and Research
	Forestry Consultant
Language And Literature	Activity instructor
Law	Receptionist
Mathematical Sciences	Graduate Consultant
	Postdoctoral Researcher
Medical Studies	doctor
	Intern
	Intern medical officer
	Junior Doctor
	Junior medical officer
	Junior Medical Officer (intern)
	Junior Resident Medical Officer
	Medical Officer
	Postdoctoral Fellow
Natural And Physical Sciences	Client manager
	Secondary teacher
	Technical Officer
Other Natural And Physical Sciences	manager assistant
	Postdoctoral Scientist
	Research Officer
Other Society and Culture	Evaluator
Philosophy And Religious Studies	Sustainability Engineer
Physics And Astronomy	Postdoc Researcher
	Postdoctoral Fellow
	Post-doctoral fellow
	Postdoctoral Research Fellow
	Postdoctoral Researcher
	Research Assistant
	Research fellow
	Software Scientist
	Summer Studentship
	Wind Engineer
Political Science And Policy Studies	Analyst
	Consultant
	Graduate
	Research consultant

First Major	Occupation
Public Health	Senior Policy Officer
	Analyst
	Data analyst
	General Practice
	Management Resident
	Project manager
	Public Health Adviser
	Researcher
	Technical Officer
	Consultant
Studies In Human Society	Development Officer
	Graduate APS
	Manager
	Research Assistant
	Research fellow

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, 2014

First Major	Occupation
Behavioural Science	Senior Lecturer
Biological Sciences	Post-doctoral fellow
	Research Officer
Chemical Sciences	Research Analyst
Earth Sciences	Research Assistant
Environmental Studies	Research Analyst
Forestry Studies	Planning Officer
Mathematical Sciences	Business Transformation Consultant
	Lecturer
	Postdoc
Medical Studies	Junior medical officer
	Medical intern (PGY1)
	Professor
Other Natural And Physical Sciences	Associate
	Postdoc fellow
	Research Officer
Physics And Astronomy	Business Manager
	Project researcher
	Research Administrator
	Research Assistant
	Subject Matter Expert
Political Science And Policy Studies	Engineer
Public Health	Postdoc
	Post-doctoral fellow

Further Study

Forty percent (40%) of Science undergraduates have continued with either further full-time or part-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, 2014

Further Study Activities	Undergraduate	Postgraduate	Higher Degree Research
Further Full-time Study	34%	18%	2%
Further Part-time Study	6%	5%	2%
Not in Study/No Details	60%	77%	96%
Grand Total	100%	100%	100%

Table 12A: Further study activities by residency status and level of completed study, 2014

Residency Status	Level of Completed Study	Further Full-time Study	Further Part-time Study	Not in Study/No Details	Total
Australian	Undergraduate	31%	7%	62%	100%
	Postgraduate	14%	7%	79%	100%
	Higher Degree Research	0%	3%	97%	100%
Australian Total		22%	6%	72%	100%
Overseas	Undergraduate	49%	0%	51%	100%
	Postgraduate	24%	0%	76%	100%
	Higher Degree Research	8%	0%	92%	100%
Overseas Total		32%	0%	68%	100%
Grand Total		24%	5%	71%	100%

Table 13: Further full-time study levels, 2014

Further Study Activities	Further Study Level	Undergraduate	Postgraduate	Higher Degree Research	Total
In further full-time study	Undergraduate	19%	2%	0%	12%
	Postgraduate	6%	4%	0%	4%
	Higher Degree Research	8%	10%	1%	7%
	Other	2%	2%	1%	2%
In further full-time study Total		34%	18%	2%	24%
In further part-time study		6%	5%	2%	5%
Not in Study/No Details		60%	77%	96%	71%
Grand Total		100%	100%	100%	100%

For further information about Science graduate outcomes, please contact Bo Liu on (02) 6125 0728 or email Bo.Liu@anu.edu.au