

Information on appropriateness of AUT degrees and papers for Secondary teaching

Degrees generally appropriate (depending on papers selected)		Degrees generally too specialised	
Degree	Possible teaching area/s	Degree	Note
Arts	English, Media Studies, languages, Social Studies, 'Food studies', A few schools teach Psychology, job prospects limited, need another teaching subject	Health Science: Midwifery, Nursing, Oral Health, Physiotherapy Occupational Therapy, Podiatry	In general all of these degrees are professional degrees in applied practice and as such are too specialised for secondary teaching
Business	Accounting, Economics, Business Studies	Medical Laboratory Science	Has a few papers suitable for science teaching but generally too specialised.
Computer and Information Sciences	Potentially too specialised in areas not taught in secondary schools. Digital technologies (previously IT) Maths- need level 6 /7 maths papers	International Hospitality Management	Generally too specialised unless accompanied by significant cooking experience and/or elective papers from Culinary Arts, Food technology, Health (food and diet).
Communication Studies	Media studies. Senior area only, need another teaching subject		
Design	Design and visual communication (Graphics) Construction and mechanical technologies (hard materials, soft materials) Possibly Senior Art Design teaching but need to be able to teach Junior art.	Laws	Too specialised - A few schools teach legal studies, but job prospects limited, need another teaching subject.
Engineering Technology	Technology teaching (Mechanical engineering Structure b)	Creative Technologies	Probably too specialised at this time but possibility for digital technology teaching (graphics)
Mathematical Sciences	Maths	Health Science	Possibility of teaching Health, need suitable elective papers to support this.
Māori Devt	Te Reo, possibly Social Studies		
Science	Science, Physics, Chemistry, Biology A few school teach specialised sciences eg Environmental science but need to be able to cover all science areas at junior level	International Tourism Management	A few schools teach tourism, job prospects limited, needs another teaching subject. Careful selection of papers from within this degree could give background for food, hospitality, social studies.
Sport & Recreation	PE, Health		
Visual Arts	Visual Art, Technology(depending on nature of investigation undertaken)		

Below is a listing of the sorts of papers we might expect to see in the degree of an applicant for teaching. This is not an exhaustive list, and it is not necessarily expected that applicants would have all, or even most, of the papers listed.

Applicants may well bring other strengths which, together with some appropriate degree papers, presents a package which makes it likely they will gain entry to the teacher education programme, satisfy the Teachers Council as to the suitability of the applicant for registration and be likely to gain employment.

Teachers Council requirement for registration:

A minimum of 1 appropriate level 7 paper is required to teach a subject at senior level.

A minimum of 1 level 6 paper is required to teach a subject at junior level.

In practice applicants need a much broader coverage in their degree to be attractive to a potential employer.

Degree	Possible Teaching area	Appropriate papers	Comments
Arts	Languages: Chinese, Japanese, Spanish	Degree must contain level 7 language papers.	Very few language jobs out there – best to have another teaching area such as Social Studies.
	English Media Studies (Media Studies is a senior teaching area only – must have papers suitable for teaching English at junior level, particularly literature papers)	165105 Introduction to language study 165052 Creative writing 165107 A Pacific reader 165108 iwrite 165110 Reading New Zealand 166104 Popular Genres 166101 Language, literature and desire 106102 Language and communication 166110 icommunicate 166501 Creative writing1: Voices 166502 Creative writing II: Story lines 167101 Global English 167102 New literatures 165523 Film Aotearoa/NZ: Cinema of Unease 167500 Creative writing project	Must have literature papers to teach English
	Social Studies (Social Studies is a junior teaching area in most schools, need another teaching subject up to senior level)	915003 Introduction to New Zealand History 285006 Introduction to Economics 285706 New Zealand political Studies 286 201 War and peace (prereq 285706) 286111 Borders, Boundaries and	Need to be aware they may also teach junior Economics and junior Geography (physical geography) as part of Social Studies

		<p>globalisation 286101 States and nations 286103 Individuals and identities 916304 Te Tititi O Waitangi The Treaty of Waitangi 916307 Aotearoa New Zealand Culture and Society 287003 Multicultural communities 287201 Asian and Pacific issues</p>	
	<p>“Food studies” (Culinary Arts)</p> <p>In schools junior ‘food’ is often a mix of food technology/hospitality/health/home economics</p> <p>In schools the senior ‘food’ area might be the ‘pure’ areas of Food technology (achievement standards), Home Economics (achievement standards) , Health (achievement standards), Hospitality (Unit standards) or a programme which incorporates a mix of these areas.</p> <p>The Culinary Arts major allows students to choose a range of elective papers. For people who want to teach in the food area it is strongly recommended that they select elective papers which will give them a good background to teach any or all of Health/Home economics/Food technology</p>	<p>215019 Food and the senses 215201 Professional culinary arts 215203 Commercial culinary practice 216201 Culinary values 216202 Contemporary Cuisine in Aotearoa 216623 Foundations of Gastronomy 217017 Sociology of food 217019 Global gastronomic heritage 217203 Special topic in Culinary Arts 777413 Food industry legislation</p> <p>From Science for food technology 7755411 Food Science Strongly recommended. 776413 Food technology(prereq 775411) 777412 Food packaging technology (prereq 776413)</p> <p>From Health for senior & junior health, and Home economics 515009 Nutrition, activity and health 555401 Health and environment 555403 Communication and education in the health environment 556104 Health promotion 517043 Lifestyle diseases 517018 Food, nutrition & community health</p>	

Business	<p>Accounting Economics Business Studies (a blend of Accounting/economics/marketing/entrepreneurship/retailing)</p> <p>Tourism is taught in a few secondary schools.</p>	<p>A degree specialising in Accounting or Economics would be likely to contain papers suitable for teaching eg macro and micro economics for Economics teaching. The following papers would provide a good background for Business Studies</p> <p>305001 Business in context 365000 Accounting for decision making 375001 Economics principles 1 375002 Economic principles 2 465001 Management and organisation</p> <p>Level 6 and 7 papers</p>	<p>Accounting is not a high demand area, few job vacancies. Business Studies is currently a junior teaching area but senior Business Studies now has Achievement Standards and is a growing area in schools</p>
Communication Studies	<p>This degree is fairly specialised but Media Studies is a possibility, depending on papers taken. However Media Studies is a senior teaching area only and this degree does <i>not</i> provide the necessary background to teach English.</p>	<p>For Media Studies</p> <p>All Level 5 core papers 145705 Principles of writing 145719 Introduction to popular culture 145726 Screen narrative production 146723 Media communication IIA 146735 Visual communication 146750 Interactive Media production I ADVT602 Media psychology, strategy and planning 146750 Interactive Media production II 147723 Persuasive communication TVSP 702 Screen writing: Drama</p> <p>To provide a background for English teaching this degree needs to incorporate literature papers such as: 165110 Reading New Zealand 166104 Popular Genres 166101 Language, literature and desire 167101 Global English 167102 New literatures</p>	<p>Media Studies teachers must have another teaching area.</p>
Computer and	Potentially too specialised in areas not	715184 Applied statistics	People wishing to teach in

Information Sciences	<p>taught in secondary schools. Depending on papers taken this degree may be suitable for teaching:</p> <p>Digital technologies (called by a variety of names in schools)</p> <p>Maths – there are 4 core level 5 maths papers available in this degree. At least one level 6 paper would be needed to allow junior maths teaching.</p>	<p>715186 Differential and Integral calculus</p> <p>715189 Algebra and discrete mathematics</p> <p>715700 probability theory and applications</p>	<p>the 'IT' area need to be aware that most schools use pre-prepared packages such as MS Office and Photoshop</p> <p>Other areas include web page creation, social media use eg Pinterest</p> <p>Few schools teach programming.</p>
Creative Technologies	<p>Potentially too specialised in areas not taught in secondary schools. Depending on papers taken this degree may be suitable for teaching:</p> <p>Digital technologies (called by a variety of names in schools)</p>		<p>This is a degree whose time is coming in terms of being appropriate for teaching</p>
Design	<p>Potential for Senior Visual Art (Design speciality). However must be able to teach <i>all</i> areas of Junior Art as well.</p> <p>Junior and senior Technology areas.</p>	<p>Possible appropriate majors</p> <p>Graphic Design</p> <p>Fashion</p> <p>Product design</p> <p>Textiles for Fashion</p>	<p>Must also have the practical skills to work with the tools and machines for soft and/or hard materials.</p>
Engineering technology	<p>Technology</p> <p>Maths</p>	<p>Mechanical engineering Structure b</p> <p>715001 Engineering Maths I</p> <p>715189 Algebra and Discrete Mathematics</p> <p>716001 Engineering mathematics II</p> <p>Additional maths papers from:</p> <p>715184 Applied Statistics</p> <p>715186 Differential and Integral Calculus</p> <p>716101 linear Algebra</p> <p>716184 Statistical methods</p> <p>716186 Multivariate Calculus</p> <p>716187 Differential Equations</p>	<p>Must have practical skills working with tools and machines for hard materials</p>

	Physics	<p>717200 Partial Differential equations 717101 Numerical analysis</p> <p>705002 Electronics 705013 Electrical principles A 735410 Electrical theory 735910 Electrical machines 765400 Engineering 765410 Mechanics-Statics I 765470 Thermodynamics and heat transfer 736006 Electronic circuits 766410 Mechanics-Statics II 766415 Mechanics- Dynamics II 737003 Fields and waves</p>	<p>Must have a junior teaching area, eg Maths or Science. Junior science covers Biology, Physics, Chemistry, and a small amount of Earth Science and Astronomy.</p>
Health Science	Generally too specialised in areas not taught in high school. The Health promotion major, is a possibility but needs support from the indicated papers	<p>515009 Nutrition, activity and health 555201 Human anatomy and physiology 555339 Maori health, development and environment 555401 Health and environment 565427 Mental health and well being 555403 Communication and education in the health environment 526806 Ethics of health promotion 556104 Health promotion 517043 Lifestyle diseases (from sport & Rec) 517018 Food, nutrition and community health 567414 Drug and alcohol studies</p>	Health teachers need another teaching area.
International Hospitality	Potentially too specialised in areas not taught in secondary schools. Depending on papers taken this degree may be suitable for teaching: Hospitality, "food studies"		To teach 'food' must be able to cook, teach cooking and manage a commercial kitchen
International tourism	A few schools teach tourism, job prospects limited, need another teaching subject. Careful selection of papers from within this degree could give background for food,		

	hospitality, social studies.		
Maori development	<p>Te Reo</p> <p>Careful selection of papers would also provide some background for Social Studies</p>	<p>Must have 300 level language papers</p> <p>For Social Studies 915002 Ki te Whaiao: Maori Culture and society 955202 Economic framework 915003 Introduction to New Zealand History 916307 Aotearoa New Zealand culture and Society 916003 Aotearoa Pacific 916304 Te Tiriti O Waitangi: the treaty of Waitangi</p>	<p>There is a shortage of te reo teachers and so as a stand-alone subject employment opportunities are probably secure</p>
Mathematical Sciences	Maths	<p>715184 Applied Statistics 715186 Differential and Integral Calculus 715189 Algebra and Discrete Mathematics 716101 linear Algebra 716184 Statistical methods 716186 Multivariate Calculus 716187 Differential Equations 717200 Partial Differential equations 717101 Numerical analysis</p>	<p>Must be able to teach all areas of maths up to year 12, and Statistics and/or Calculus at year 13.</p>
Science	<p>Science, Chemistry, Biology</p> <p>Maths/ Physics</p>	<p>Appropriate majors Applied Chemistry Marine Biology Environmental Sciences</p> <p>Applied Mathematics Physics I, Physics II Additional physics papers from Engineering technology</p>	<p>Science teachers have a specialist senior area or areas but must be able to teach junior science which covers Biology, Physics, Chemistry, and a small amount of Earth Science and Astronomy</p>
Sport and recreation	<p>Health Physical Education</p> <p>Health and PE are a core curriculum area and PE teachers must teach in both areas.</p>	<p>It is expected that those wanting to teach will have completed the Health and Physical Education major.</p> <p>Other useful papers for PE include:</p>	<p>For people from backgrounds other than the Bachelor of Sport and Recreation it is possible to teach Health as a stand-</p>

	<p>Health teaching includes relationships, mental health, drugs and alcohol, sexuality, diet and nutrition. Senior PE teaching includes biomechanics, and anatomy and physiology.</p> <p>At the moment there is no shortage of PE teachers and jobs are hard to come by. It is recommended that people intending to teach take a few papers which allow them to teach food/hospitality/Home Economics/Food technology</p>	<p>Outdoor Education papers 555201 Human anatomy and Physiology 1 516011 School and community sport 517008 Human movement advanced</p> <p>Other useful papers for Health include 515009 Nutrition, activity and health 556104 Health promotion 517018 Food, nutrition and community health 517043 Life style diseases 567414 Drug and alcohol studies (From Health) 565427 Mental health and well being (From Health)</p> <p>From BA Culinary studies for "food" 215019 Food and the senses 215201 Professional culinary arts 215203 Commercial culinary practice</p> <p>From Science for food technology 7755411 Food Science Strongly recommended. 776413 Food technology(prereq 775411) 777412 Food packaging technology (prereq 776413)</p> <p>From International Hospitality for hospitality 215004 Applied food and Beverage management (kitchen)</p>	<p>alone subject. However Health is generally a junior area only so job possibilities are limited and another teaching area is recommended eg 'Food studies'.</p>
Visual Arts	<p>At Junior level Art teachers must be able to cover all aspects of art. At senior level (years 12 -13) art teachers teach a specialist area from painting, sculpture, printmaking, art design, photography. Technology may be a possibility depending on the nature of the investigation</p>	All degree papers compulsory	Applicants wanting to teach hard or soft materials technology need to have had experience with the sorts of tools and machines that would be used in technology workshops.

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