

# COURSE PLANNING FOR CAREERS

When choosing a course it is best to keep your subjects as broad as possible for as long as possible. Entry into many careers is not as dependent on course choice as it is on achievement levels. Below are a list of careers that students at Scots often enquire about and the subjects required. Some are compulsory and others are just recommended.

CAREER AREAS	LEVEL	LEVEL 2	LEVEL 3
<b>Apprenticeships</b> Many including chefs, electricians and carpenters	English Maths Science		
<b>Armed Forces</b> – Trades  – Officer Training – Degree programmes	English Maths Science		80 -100 credits at level three
<b>Architecture</b>	Maths Art and/or Graphics		<u>Auckland University</u> Combination of arts/sciences/maths. <b>Portfolio of art work required.</b> High Level 3 <u>Victoria University</u> Selects from intermediate year. <b>Must have 2 subjects out of Calculus, statistics or physics.</b> No portfolio required <u>Unitec</u> Portfolio required
<b>Commerce Degree</b> Students are able to commence accounting and economics at university but it is recommended they begin study at school.			Statistics Calculus (if majoring in economics) Accounting Economics <u>English rich subject is recommended</u>
<b>Commerce/Business certificates and diplomas</b>	Maths		
<b>Computing/IT degree</b> (computer studies useful but not required)		Maths Comp studies	Calculus and physics recommended
<b>Dentistry</b> University of Otago		Maths Biology Chemistry Physics	<b>Biology, Chemistry, Statistics</b> or <u>Calculus</u> <b>English</b> or an <u>English rich subject</u>

CAREER AREAS	LEVEL	LEVEL 2	LEVEL 3
<b>Design, Fine Arts and Visual Arts</b> Elam (Auckland University)  Ilam (Canterbury University)			<b>2 Practical Art subjects</b> History of Art recommended. <b>Portfolio required</b> <b>Portfolio required. Min 2 art subjects</b> <u>English or History of Art of History recommended</u>
<b>Engineering Degree</b>			<u>Canterbury University</u> <b>Calculus, Chemistry, Physics</b> <u>Auckland University</u> <b>Calculus, Physics</b> <u>Victoria University</u> Open entry although Calculus strongly recommended <u>Massey University</u> <b>Calculus, Physics &amp; some courses require Chemistry</b>
<b>Food Science/Technology</b>		Mathematics Chemistry Biology Physics	<b>Physics</b> <b>Calculus</b> <b>Biology</b> <b>Chemistry</b>
<b>Forestry</b>			English, Chemistry, Biology, Economics, Geography, Statistics are recommended
<b>Education/Teaching</b>		Maths, a science	English, "arts" subjects and/or maths/science
<b>Law</b>		English History Classics	English, History, Classics or other English rich subjects are recommended.
<b>Medicine</b> (no intake direct from school) All applicants must complete the first year B. Health Science or Biomedical Science at either Otago or Auckland University		English Chemistry Biology Maths Physics	<b>English (or English rich eg classics, history) is compulsory at <u>Auckland University</u></b> <b>Chemistry, Physics, Biology, Statistics</b> or <u>Calculus</u> <u>Otago University</u> <u>Strongly recommend above subjects</u>

CAREER AREAS	LEVEL	LEVEL 2	LEVEL 3
<b>Music</b> NZ School of Music, Auckland University Entry by audition  <u>NZ School of Music, Victoria University</u>	Music Recommended: English, history	Music Recommended: English, history, classical studies	Music Recommended: English, history, classical studies <b>Jazz, Performance &amp; Popular Music an audition is required</b> <u>Music</u> <b>Jazz, Performance &amp; Classical Music an audition is required</b>
<b>Optometry</b>		English Chemistry Biology Maths Physics	English Chemistry Biology Statistics Physics
<b>Performing Arts</b> Auckland University Entry by audition	English Drama	English Drama	English Drama
<b>Pharmacy/physiotherapy</b> – see Medicine			
<b>Physical education degree</b>		Biology English	English, Biology, Phys Ed highly highly recommended Chemistry useful
<b>Pilot</b>		Maths Physics Chemistry	Statistics, Physics Calculus, English
<b>Police</b>	Any	English	Any
<b>Radiotherapy</b>		English Physics Maths	<u>English Rich subject</u> <u>Physics or Biology</u> <u>Statistics or Calculus</u>
<b>Resource and environmental planning</b>		English Maths Biology Geography	English Statistics Biology Geography

CAREER AREAS	LEVEL	LEVEL 2	LEVEL 3
<b>Surveying</b>		Maths A science	<u>Calculus, English</u> <u>are strongly recommended with</u> <u>Statistics, Physics &amp; Geography</u> <u>recommended</u>
<b>Sports Degree</b>	English Maths PE Science	English Maths PE A science	English PE A science
<b>Technology Degree</b> including majors in: biotechnology, chemical, food, industrial bioscience, industrial maths, info tech, optoelectronics, product development	English Maths Science	English Maths Biology Chemistry Physics	English Calculus Statistics Biology (depending on major) Chemistry Physics
<b>Tourism</b> There are no formal prerequisite. However the following subjects are recommended	English Maths Science Accounting Economics Geography Languages	English Maths Science Accounting Economics Geography Languages	English Maths Science Accounting Economics Geography Languages
<b>Veterinary Science</b>			Chemistry Biology Physics Statistics preferred

# SOME USEFUL WEBSITES

Career Resource Centre	<a href="http://www.careers.org/index.html">http://www.careers.org/index.html</a> .
CV writing	<a href="http://www.jobsmart.org/tools/resume/index.htm">http://www.jobsmart.org/tools/resume/index.htm</a>
Job Hunting	<a href="http://www.nzjobs.co.nz">http://www.nzjobs.co.nz</a> (recruitment ads) <a href="http://www.netcheck.co.nz">http://www.netcheck.co.nz</a> (job search) <a href="http://www.netclassifieds.co.nz">http://www.netclassifieds.co.nz</a>
Job Options	<a href="http://www.joboptions.com">http://www.joboptions.com</a>
Kiwi Careers	<a href="http://www.kiwicareers.govt.nz">http://www.kiwicareers.govt.nz</a>
Monster Site	<a href="http://www.monster.com">http://www.monster.com</a>
Parachute Guide	<a href="http://www.jobhuntersbible.com/">http://www.jobhuntersbible.com/</a>
Qualifications	<a href="http://www.kiwiquals.govt.nz">http://www.kiwiquals.govt.nz</a>
Riley Guide	<a href="http://www.dbm.com/jobguide/">http://www.dbm.com/jobguide/</a> <a href="http://www.rileyguide.com">http://www.rileyguide.com</a>
Yahoo!	<a href="http://www.yahoo.com.Business/Employment">http://www.yahoo.com.Business/Employment</a>
Career services	<a href="http://www.careers.govt.nz">www.careers.govt.nz</a>
Australian Universities	<a href="http://www.curriculum.ed.au">www.curriculum.ed.au</a>
UK study	<a href="http://www.educationuk.org">www.educationuk.org</a> or <a href="http://www.britishcouncil.org.nz">www.britishcouncil.org.nz</a>
US study	<a href="http://www.fulbright.org.nz">www.fulbright.org.nz</a> and <a href="http://www.collegeboard.com">www.collegeboard.com</a>
US University database	<a href="http://www.utexas.edu/world/univ/alpha/">www.utexas.edu/world/univ/alpha/</a>

Please feel free to visit the careers room at anytime or make an appointment to see DEG after school or at lunchtime.