



St Peter's College Guide to Careers & Subject Requirements

The summary on the following pages is not intended to be comprehensive. It gives a brief outline of some career options, the likely prerequisite school subjects, and **present** course entry requirements. It is a guide to help in the selection of appropriate subjects, in order that career opportunities and choices are not limited. Students are encouraged to use the website www.kiwicareers.govt.nz or to visit the Careers Centre for more information.

Every endeavour has been made to ensure the information is correct. It is very important to check current entry requirements and prerequisites from the websites, University Calendar, Student Guide or prospectus of a particular Tertiary Institution.

Key for Subject Requirements			
ACC	Accounting	JAP	Japanese
BIO	Biology	MAT	Maths
CHE	Chemistry	MAC	Maths with Calculus
CLA	Classics	MAS	Maths with Statistics
CST	Construction	MUS	Music
DTM	Digital Technology Media	PAR	Performing Arts
DTE	Digital Technology Electronics	PES	Physical Education Studies
DTP	Digital Technology Programming	PHY	Physics
DTI	Digital Technology Information	RST	Religious Studies
ECH	Early Childhood	SCI	Science
ECO	Economics	SPS	Sports Studies
EGN	Engineering	TEX	Textiles
ENG	English	TRM	Te Reo Maori
FNT	Food and Nutrition	VAR	Visual Art
FRE	French	NCEA	National Certificate of Educational Achievement
GATE	Gateway	CES	Common Entrance Standard for University
GEO	Geography		
GRA	Graphics		
HIS	History		
HMT	Materials Hard Technology		

Career Area	Qualification	Subjects	Minimum Entry
Agriculture/Farming	Certificate	General Education including. SCI, GEO, MAT, ENG, GATE	16 years & min.3 years secondary education Farming Experience useful
	Diploma	Year 12 BIO, ENG, MAT, CHE/PHY desirable, GATE	NCEA 48 Credits or more in best 4 subjects Level 2
	Degree	Year 13, BIO, MAS PHY, CHE	CES

Air Traffic Control	Licence Airways Corp. NZ	Year 13, ENG, MAC Computing	CES, ENG, MAC PHY 19.5 years
Apprenticeships:	Cert. & Dip.	3/4 years Sec.Ed & Year 11 quals in ENG, MAT & SCI/PHY can be required. CST/EGN/FRN good, GATE	Check for individual trade requirements
Armed Forces	Officer Training	ENG, MAT at Year 13 Team Sports	CES + Aptitude Test (See individual forces fro details)
	Trades	ENG/MAT/SCI L1 minimum , L2 preferred – Age 17 for entry Team Sports	Check particular trades for details of other subjects See www.army.mil.nz www.navy.mil.nz or www.airforce.mil.nz
Automotive Mechanics	Cert. & Dip.	3/4 years Sec.Ed. Level 1/2 ENG,MAT,EGN, GATE (Yr 12-13)	Apprenticeship Training
Aviation (i) Air Force	Air Force Officer	MAC, PHY, ENG	90 Credits L3 ENG, MAT, PHY
	Pilot/Navigator	PHY,CHE or DTE, ENG	MAT, ENG, Science pref. PHY 18 credits Level 2
	Cert. Aeronautical Eng. Air NZ	Yr12 ENG. MATHS & PHY,DTE	Good grades. Pre-enrolment assessment
(ii) Massey	Degree Massey B.Aviation	Yr13 PHY, MAC, ENG	Pre-selection exam
(iii) Flying Academy and School		Year 12, MAT, PHY	Pre-selection process, 18 years of age
Architecture		Year 13 MAC, PHY, ART/GRA recommended.	CES,Victoria Int year, competitive entry to Year 2 - no portfolio Unitec - Portfolio & CES Auckland – direct entry, good grades, portfolio, interview, very competitive
Broadcasting/Communication Studies	Degree	Year 13 ENG/HIS/GEO/TRM/MAS useful	CES
Builder	Cert/Dip	L1 ENG,MAT FRN,CST,GRA, GATE	Apprenticeship Training
Chef/Food Industry	Cert/Dip	L1 ENG/MAT/SCI FNT, GATE useful	Interest in food essential
Childcare	Certificate, Diploma, Degree	L2 subjects preferred ECH L2/L3, ENG	Training providers have various requirements – check for details

Clerical/Reception		L2 ENG,MAT,TIM INT also useful	Entry requirements dependent on job/course
Clothing Design/Fashion/Textile Sciences	Cert/Dip/Degree	ENG/TEX/ART/MAT Degree requires BIO/CHEM and Social Science e.g. ECO/HIS	Check entry requirements for different providers. Interest in fashion/design/textiles Useful
Commerce/Business	Diploma	ENG, MAT, ACC, ECO, Computing	Check Entry Requirements
	Degree	Year 13 MAS, ENG, ACC, Computing desirable. MAC if majoring in ECO or Finance	CES Some Universities limited entry. Variety of majors dependent on University e.g. Lincoln/Massey Agribusiness
Computing/Info Technology	Cert/Dip/Degree	DTI,DTM/MAT useful Degree Year 13 MAC/PHY	See individual providers for details
Dental Technology	Degree	Year 13 CHE/BIO Recommended ART/MAT/PHY	CES
Dentistry	Degree		See Health Science Intermediate Otago
Design	Degree 4 yrs	Year 13 ART essential Useful ENG, HIS, MAT, PHY, GRA, DTI	CES, Portfolio required, competitive entry, Massey, AUT, Unitec, Otago Polytechnic. Vic. Uni open entry, no portfolio, competitive to Year 2
Dietician/Human Nutrition	Degree	Year 13 BIO/CHE/MAT/ENG	CES
Early Childhood Teaching	Degree	Year 13 ENG, ECH	CES May be extra tests for Literacy and Numeracy as well as interviews and references required.
Electrician	Cert/Dip	L2 MAT/ENG preferred DTE/DTI useful	Apprenticeship Training
Engineering	Diploma	Year 12 MAT, PHY, GRA desirable, GATE	MAT & PHY 14 Credits Level 2 or equivalent
	Degree	Year 13 MAC & PHY essential. CHE for some programmes. ENG (or English Rich Subject e.g. HIS). & MAS. recommended	CES. Direct Entry to 2 nd Year at Canterbury University possible for excellent year 13 results

Fine Arts/Photography	Diploma/Degree	Polytechnics: Year 12 in ENG & ART	Portfolio required
	Degree	ART	CES, Canterbury: Good passes in 2 ART Year 13 subjects & portfolio Auckland Portfolio and written appln required Massey - Competitive entry, check subjects
Food Science/ Food Technology/ Human Nutrition	Degree	Year 13 CHEM. essential. BIO, MAS, PHY/ENG recomm.	CES Degrees at AUT, Massey, Otago, Auckland
Forestry	Degree	BIO, CHE, MAS, ECO & ENG useful	CES
Hairdressing/Beauty Therapy	Apprenticeship	L1/2 ENG, MAT, SCI ART useful, GATE	Pre-apprenticeship course / Salon experience useful
Health Science	Medicine, Dentistry, Pharmacy, Med Lab Science, Physiotherapy	BIO, CHEM, PHY. & MAS, English Rich subject e.g. ENG, HIS, CLA	Otago Med School: Health Science Intermediate - competitive 2nd year entry for Auckland and Otago. Auckland Medical School: either Year I B. Health SC or B. Biomed SC: See University Auckland website
Horticulture	B.Ag.Sc/HortSc	BIO, CHE, MAT	CES
	BComm • Farm Management • Horticulture	BIO, MAT ACC & ECO desirable	CES
Hospitality/Hotel Management	Cert/Dip/Degree	MAT/ENG ACC/ECO/FNT/DTI/GATE useful	Cert – L1 Diploma- L2 MAT/ENG Degree - CES
Information Science	Degree	Year 13 DTI/MAS/ENG/ECO/ACC GEO/INT useful	CES
Journalism	Diploma/ Degree- B. Communication Studies.	ENG + broad general Education .	Postgrad diploma, Degree-competitive entry.
Languages	Degree	ENG, Language Study e.g. FRE/JAP/TRM	CES
Landscape Architecture	Diploma	MAT, BIO, GEO recommended	Unitec: NCEA Level 2 credits.

	Degree		CES, Portfolio for Unitec. Open entry Yr1 Vic. & Lincoln-no portfolio.
Law	Degree	General Education, ENG. & Humanities subjects e.g HIS,GEO,ECO,CLA	C.E.S. Very competitive entry to second year.
Medicine	Degree	Year 13 BIO,CHEM, MAS or MAC, PHY, ENG or English rich subject	Health Science First Year Otago – very competitive entry to 2 nd Year Auckland – see website for details
Medical Laboratory Science	Degree	BIO, CHE, ENG, MAT, PHY	CES, Int year at Otago
Media Studies	Certificate	Year 12 ENG	Good grade in ENG. Work experience desirable.
	B.Communication, AUT, Unitec, Waikato and Massey	ENG,MAS, Computing Skills	CES and written appln, Competitive entry, high grades for AUT. Media Studies & Communication are also B.A. majors
Medical Imaging - Radiography	Degree	Year 13 ENG, MAT and 1 Science subject, pref. PHY	CES and selection criteria
Music	Cert/Dip/Degree	Interest and ability in MUS, may be an audition Degree - CES --MUS to at least Year 12, and preferably Year 13 level – including theory – may be studied outside school	Audition for performance-check early closing dates.
Nursing	Degree programme at Polytechnics e.g. UCOL and University e.g. Massey	BIO, CHEM. or PHY MAT useful.	Limited entry programme. Check requirements. BIO & CHEM recomm.
Occupational Therapy	Degree	ENG/BIO/CHEM/MAT	CES
Optometry	Degree	CHE, BIO, PHY,MAS MAC, ENG (or language rich subject)	CES Auckland (Year 1 of B.Sc.BioMed) competitive entry.
Outdoor Education	Diploma/Degree	SPS, PES, ENG Duke of Edinburgh Awards helpful	Outdoor Experience e.g. Tramping, Kayaking
Parks and Recreation	Degree	BIO,GEO,ECO,MAS or MAC,ENG	CES
Performing Arts/Theatre Studies	Dip/Degree	Dip – L2 ENG/PAR Degree – ENG	Performing Arts background essential - Audition

Pharmacy	Degree	MAT, CHEM, BIO essential, PHY, ENG or other language rich subject recommended.	CES Otago/Auckland Health Science Int. Yr1 –competitive entry
Physical Education	Degree	BIO, ENG, MAS, PES recomm. CHEM helpful	Competitive - Otago. Excellent Year 12 marks and CES
Psychology	Degree	ENG,MAS	CES
Physiotherapy -	Degree	ENG, BIO, CHE, PHY, MAT	CES, Otago Health Science first year very competitive into second year
Plumbing	Cert/Diploma	L1/2 ENG, MAT, SCI, - EGN useful	Apprenticeship Training
Police 19-25 years (weight restrictions and high fitness required) 17-22 (cadet trainee programme)	Police Training – Police College	ENG, MAT,PES, SPS High Fitness levels, Leadership Training	Police check Police fitness and other tests
Sport and Recreation/ Human Performance	Dip/Degree	General Education, BIO, ENG, PES/SPS recommended.	Check provider requirements - Dip CES – Degree Four approved L2 subjects needed with good grades
Science	Certificate	Year 12 BIO, CHE, MAT, PHY depending on major.	See Providers
	Degree	MAS or MAC, BIO, PHY, CHE	CES
Speech & Language Therapy	Degree	Science to at least Year 12, BIO recommended and ENG	CES, competitive entry to second year, Cant. and Massey, Post-grad. Auckland.
Social Work	Diploma/Degree	ENG,/RST/MAS/ TRM useful	CES, competitive entry to second year
Speech Therapy	Degree	ENG,BIO,TRM, Science background to Year 12 strongly recommended	Competitive into 2 nd Year at Canterbury University
Surveying	Diploma	MAT, PHY, GRA, Yr12, Computing. useful	
	Degree	ENG, MAC, MAS, PHY Computing & GEO Useful	CES, Int year at Otago
Teaching	Degree	Primary and Early Childhood - General Education ENG/MAT/ECH	CES, Interview, References, Testing Observations Working with children
		Secondary: Specialist teaching subject degree plus Post Grad Dip.	useful experience e.g. coaching

Technology	Diploma/Degree	PHY, MAC, CHE if major in degree.	CES- Victoria & Massey - B. Tech Univ. Auck. Limited entry programmes.
Tourism	Degree	Year 13 GEO/ENG/MAS useful	CES
Veterinary Science	Degree	BIO, CHE, MAT, PHY, ENG	CES, Vet Sci Intermediate B+ to A- Grades in Massey semester 1 competitive
Viticulture/Wine Science	Cert/Dip/Degree	CHEM/BIO	Check providers for entry details e.g. EIT
Visual Communication	Diploma, Degree	ENG, ART	Very competitive. Portfolio Required.