

# SUPPLEMENTARY INFORMATION and EXTRACT FROM YEAR 12 & 13 COURSE INFORMATION BOOK for 10HSUR CHOOSING SUBJECTS FOR YEAR 11 IN 2020

To be read in conjunction with the Year 11 Senior Course Guide and the Subject Details on the Macleans College website [www.macleans.school.nz](http://www.macleans.school.nz) Home Page > Academic > Course Guides > Senior Course Guides & Subject Details

## Year 11 Option Choice Guidelines for Accelerated Students in 10HSUR Studying IGCSE Subjects in Year 10:

In Year 11 you may apply to study the following subject combinations depending on your Year 10 IGCSE and your End of Year 10 examination results. You must include an English (Subject 1) and a Mathematics (Subject 2) option in your course. **Please note: Mr Peek, the Year 11 Dean, in consultation with Heads of Faculties, and Mrs McDougall, the Director of Extension Studies, will have the final say over which subjects you study.**

Subject Combinations	Year 10 Requirements / Guidelines
<b>4 x AS</b> (highly unlikely, not encouraged)	95% or over in each of your 4 IGCSE subjects
<b>3 x AS + 2 x 11MCERT</b> (unlikely)	90% or over in each of your 4 IGCSE subjects
<b>2 x AS + 3 x 11MCERT</b>	85% or over in your chosen AS subjects
<b>1 x AS + 5 x 11MCERT</b>	85% or over in your chosen AS subject
<b>6 x 11MCERT</b>	Check general notes for individual subject requirements

Year 10 Results	Subject Level permitted / required in Year 11
Grade C or better in IGCSE English	AS English Literature or AS English Language
85% or better in IGCSE Mathematics	AS Mathematics (1 year), 12MTC
Between 60% and 84% in IGCSE Mathematics	11MCERT Mathematics (Extension), 11MAA
Below 50% (Grade D) in IGCSE Mathematics	11MCERT Mathematics, 11MAT <b>(Required)</b>
85% in IGCSE Combined Science, 10CSC	1 x AS Single Science: 12BIC, 12CHC or 12PYC
85% in 10CSC + Approval from Mr Peek & HoF	2 x AS Single Sciences
80% average in your 4 IGCSE subjects with no result less than 75%	To be considered for a Humanities AS subject e.g. 12GEC, 12CLC, 12HIC

### Notes:

- Choose either AS English Literature or Language or 11MCERT English (Extension).  
To study **AS** English you must achieve a C or better in IGCSE English.
- You must study 11MAT: 11MCERT Mathematics if you do not achieve a Grade D (50%) or better in IGCSE Mathematics in Year 10 as you need to achieve Year 11 *Numeracy*.
- You can only study the AS Mathematics one year course, 12MTC, if you achieve 85% or higher in IGCSE Mathematics in Year 10. All other students wishing to study AS Mathematics are to take the two year AS course, 11MAA.
- You can only study an AS single science course if you achieve 85% or higher in IGCSE Combined Science in Year 10. You can only study a maximum of 2 x AS single science courses.
- Students wishing to study 2 x AS single science courses must have approval from Mr Peek, Year 11 Dean and Dr Thomas, Head of Faculty: Science.
- The grade required for consideration to study AS subjects other than those listed above, in Year 11, is 80% average or higher over your 4 x IGCSE subjects with no subject less than 75%.

### Entering your subjects:

Follow the instructions in the Year 11 Senior Course Guide to enter your choices through the Parent Portal.

You will find the Year 12, AS subjects at the bottom of the list.

Enter Subject 1: English choice, Subject 2: Mathematics choice.

Enter Subject 3, Subject 4, Subject 5 (and Subject 6 if needed) in order of preference plus an alternate (reserve) subject.

## Choosing and Entering Your Subjects:

Choose either 4, 5 or 6 subjects, See previous page for special entry criteria guidelines.

English (Subject 1) and Mathematics (Subject 2) are compulsory subjects.

Code	Name	Qualification	Faculty
11ACT	11 Accounting	Year 11 Macleans Certificate	Commerce
11ADP	11 Art & Design	Year 11 Macleans Certificate	Creative Arts
11ART	11 Art Painting	Year 11 Macleans Certificate	Creative Arts
11BIO	11 Biology	Year 11 Macleans Certificate	Science
11CHE	11 Chemistry	Year 11 Macleans Certificate	Science
11CHI	11 Chinese (Mandarin)	Year 11 Macleans Certificate	Languages
11COM	11 Commerce	Year 11 Macleans Certificate	Commerce
11CMS	11 Computer Science	Year 11 Macleans Certificate	Computer Science
11CON	11 Construction	Year 11 Macleans Certificate	Technology
11DDT	11 Digital Design	Year 11 Macleans Certificate	Technology
11DRA	11 Drama	Year 11 Macleans Certificate	Performing Arts
11ENM	11 Engineering (Mechanical)	Year 11 Macleans Certificate	Technology
11ENG	11 English (Core)	Year 11 Macleans Certificate	English
11ENA	11 English (Extension) <i>(by invitation only)</i>	Year 11 Macleans Certificate	English
11ESL	11 ESOL	NCEA Level 1	ESOL
11GEO	11 Geography	Year 11 Macleans Certificate	Social Sciences
11GRA	11 Graphics	Year 11 Macleans Certificate	Technology
11HIS	11 History	Year 11 Macleans Certificate	Social Sciences
11HPY	11 Hospitality	Year 11 Macleans Certificate	Technology
11JAP	11 Japanese	Year 11 Macleans Certificate	Languages
11MAT	11 Mathematics (Core)	Year 11 Macleans Certificate	Mathematics
11MAA	11 Mathematics (Extension) <i>(by invitation only)</i>	Year 11 Macleans Certificate	Mathematics
11MUS	11 Music	Year 11 Macleans Certificate	Performing Arts
11PEA	11 Physical Education	Year 11 Macleans Certificate	Physical Education & Health
11PHY	11 Physics	Year 11 Macleans Certificate	Science
11SPA	11 Spanish	Year 11 Macleans Certificate	Languages
11MAO	11 Te Reo Māori	Year 11 Macleans Certificate	Languages
11TEX	11 Textiles	Year 11 Macleans Certificate	Creative Arts

Code	Name	Qualification	Faculty
12ENC	AS English Language	CIE Advanced Subsidiary	English
12ELC	AS English Literature	CIE Advanced Subsidiary	English
12MTC	AS Mathematics	CIE Advanced Subsidiary	Mathematics
12BIC	AS Biology	CIE Advanced Subsidiary	Science
12CHC	AS Chemistry	CIE Advanced Subsidiary	Science
12PYC	AS Physics	CIE Advanced Subsidiary	Science
12CLC	AS Classical Studies	CIE Advanced Subsidiary	Social Sciences
12GEC	AS Geography	CIE Advanced Subsidiary	Social Sciences
12HIC	AS History	CIE Advanced Subsidiary	Social Sciences

Subject Details for all Year 11 courses are found in the Year 11 Senior Course Guide & Subject Details booklet given to all Year 10 students. Details for all AS subjects will be available on the school website: [www.macleans.school.nz](http://www.macleans.school.nz).

On the Home page > Academic > Course Guides > Senior Course Guides & Subject Details

## CAIE Requirements for Entry to New Zealand Universities in 2020:

Information about NZ University Entrance, calculation of UCAS points etc is included in the general Year 11 Senior Course Guide booklet issued to all Year 10 students. Universities have specified higher admission requirements for entry to many of their undergraduate degree programmes **in addition to satisfying the Common Entrance Standard (University Entrance)**. See *page 15* in the Year 11 Senior Course Guide.

Some information is included below. Note: This is a guide to assist with subject choice. Students must check current websites and prospectuses for more complete details.

### All Universities & Polytechnics in New Zealand

Bachelor of Fine Arts Bachelor of Visual Arts Bachelor of Design	Portfolio, Written Statement, Interview
Bachelor of Music Bachelor of Performing Arts	Audition (CV, supplementary application, music certificates, references and/or interview)
Bachelor of Education (Teaching)	Interview. Referees (school visit). Supplementary application. Meet requirements of the NZ Teachers Council
Bachelor of Laws (LLB)	Entry to Part I is dependent on acceptance into another degree programme. Students will be selected into Part II on the basis of their results in their first year of university.
Bachelor of Engineering (Hons)	High UCAS score, A Level Mathematics, A Level Physics, for some specialisations AS or A Level Chemistry
Conjoint / Double / Joint Degrees	Higher UCAS. Satisfy requirements for both degrees.

### University of Auckland

Bachelor of Architectural Studies	280, Portfolio. Written Statement. One subject from Table A and one subject from Table B.
Bachelor of Arts	150
Bachelor of Commerce Bachelor of Property	190, Three subjects from Table A and/or Table B
Bachelor of Dance Studies	150, CV, Written Statement. Audition/Interview
Bachelor of Design	190, One subject from Table A & One subject from Table B.
Bachelor of Education (Teaching) Bachelor of Social Work	150, Interview. Referees' reports. Police check. Literacy & Numeracy tests
Bachelor of Engineering (Hons)	310, A Levels in Physics and Mathematics
Bachelor of Fine Arts	150, Portfolio of creative works. Written statement.
Bachelor of Global Studies	230, Three subjects from Table A and/or Table B and/or the following languages: Chinese, French, German, Japanese, Spanish (at AS or A level).
Bachelor of Health Science	300, One subject from Table A & One A Level subject from Table B.
Bachelor of Laws (LLB)	Meet the requirements for and be offered a place in another degree (1 <sup>st</sup> Yr)
Bachelor of Music	150, Statement of musical background. Music certificates. Referee's report. + Audition for Performance. + Portfolio for Composition
Bachelor of Nursing	280, One Table A subject & One A Level in: Biology, Chemistry or Physics
Bachelor of Science	310, Biomedical Science. 200, Food Science and Nutrition, 200, Exercise Sciences, 170, Other majors / specialisations
Bachelor of Advanced Science (Hons)	310
Bachelor of Sport, Health & Phys Ed	150
Bachelor of Urban Planning (Hons)	280, Written statement.

CIE TABLE A Subjects:	CIE TABLE B Subjects:	
Classical Studies	Accounting	Economics
English	Biology	Mathematics
Geography	Business Studies	Physics
History	Chemistry	

## AUT University

<b>Bachelor of Communication Studies</b>	Completion of Year 13 preferred. Language rich subjects are useful.
<b>Bachelor of Computer &amp; Information Sciences</b>	AS or A Level Mathematics strongly recommended.
<b>Bachelor of Engineering (Hons)</b>	Guaranteed entry with UCAS 300 & full A Levels in Mathematics and Physics.
<b>Bachelor of Engineering Tech</b>	A Level Mathematics & AS Physics or AS Mathematics & A level Physics.
<b>Bachelor of Health Science (Physiotherapy)</b>	Full A Levels preferred. Highest level of achievement selected, Police clearance. Interview.
<b>Bachelor of Health Science (Nursing)</b>	Highest level of achievement selected, Police clearance, References, Interview.
<b>Bachelor of Medical Laboratory Science</b>	AS or A Level Biology, Chemistry and Mathematics (including Statistics). Police clearance.

## Massey University

<b>Bachelor of Engineering (Hons)</b> <b>Bachelor of Food Technology</b>	At least C grade in A Level Physics and Mathematics. (plus A level Chemistry grade C for Chemical & Bioprocessing Engineering and Food Technology)
<b>Bachelor of Speech &amp; Language Therapy</b>	At least B grade in A Level Biology, Chemistry, Physics or Mathematics, plus C grade in A level English. Written statement, referees, police check, interview.
<b>Bachelor of Veterinary Science</b>	140 UCAS, for entry to 1 <sup>st</sup> semester. 10 days practical veterinary work experience. A limited number of students with top grades will be selected into the professional programme on the basis of their first semester grades & performance in other selection assessment. Recommended: Chemistry, Biology, Physics, Mathematics, English.
<b>Bachelor of Aviation</b>	Series of tests, pilot aptitude assessments, medical, interview. At least grade C in a Table A subject. Strongly recommended: Mathematics and Physics.

## University of Otago

<b>Health Sciences First Year</b>	140, for entry to 1 <sup>st</sup> year. Competitive entry to 2 <sup>nd</sup> year clinical programmes. Recommended: Chemistry, Biology, Physics, Mathematics & writing subjects.
<b>Bachelor of Dental Technology</b>	Competitive entry. A Level in 2 of: Chemistry, Physics, Biology, Mathematics.
<b>Bachelor of Radiation Therapy</b>	Competitive entry. Interview. Department visit. Placement. Written statement. AS or A Level in a Table A subject, Mathematics and Biology or Physics.
<b>Bachelor of Oral Health</b>	Competitive entry. Biology and Table A subject to at least AS, preferably A Level.
<b>Bachelor of Surveying</b>	Competitive entry to 2 <sup>nd</sup> year. Recommended: English, Geography, Physics, Mathematics

## Victoria University of Wellington

<b>Bachelor of Architectural Studies</b>	GES, 170 entry to 1 <sup>st</sup> year, no Portfolio required, competitive entry to 2 <sup>nd</sup> year
<b>Bachelor of Building Studies</b>	GES, 170

## Recommended Senior School Subjects for Degree Majors:

! This table is a general guide only, to assist with subject choice. Specific requirements will vary for each university or provider, for specific courses and from year to year. Always check current websites and prospectuses for up to date information.

\* **Table A Subjects include 'language rich' subjects - English, History, Classical Studies, History of Art, Geography**  
**They may also include other writing subjects such as Drama, Social Studies, Media Studies**

✓✓ Subjects with two ticks are very useful and highly recommended, for some degrees they are essential, required subjects.

✓ Subjects with one tick are useful, recommended subjects.

	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

### Agriculture / Animal Studies / Forestry / Horticulture:

Agribusiness		✓		✓	✓		Econ, Acct
Agricultural Science	✓✓	✓✓		✓✓		✓	
Animal Science	✓	✓✓	✓	✓		✓	
Equine Studies	✓✓	✓	✓	✓			
Forestry Science	✓	✓✓		✓✓		✓	
Veterinary Science	✓✓	✓✓	✓✓	✓✓		✓✓	
Veterinary Technology	✓✓	✓✓	✓✓	✓✓		✓✓	
Viticulture & Oenology	✓✓	✓✓		✓✓			

### Arts / Humanities / Social Sciences:

Ancient History						✓✓	It is possible to begin BA majors without a background in those subjects - even languages. Students interested in studying for a BA who take and enjoy subjects such as English, History, Classics, Media Studies, Geography, Art History, Languages and Drama at school will be able to consider the full range of BA majors in Social Sciences, Humanities and Arts as options for university study.  Some courses listed under other degrees may also be studied for a BA. e.g. <ul style="list-style-type: none"> <li>• Economics</li> <li>• Geography</li> <li>• Mathematics</li> <li>• Psychology</li> <li>• Statistics.</li> </ul>
Anthropology				✓		✓✓	
Archaeology				✓		✓✓	
Art History						✓✓	
Asian Studies				✓		✓✓	
Classical Studies						✓✓	
Conflict Resolution				✓		✓✓	
Criminology				✓		✓✓	
Development Studies				✓		✓✓	
Education				✓		✓✓	
Employment Relations				✓		✓✓	
English						✓✓	
English & New Media Studies						✓✓	
European Studies				✓		✓✓	
Film, TV & Media Studies				✓		✓✓	
Gender Studies				✓		✓✓	
History						✓✓	
International Relations				✓		✓✓	
Interpreting						✓✓	
Languages: Chinese, French, German, Greek, Hebrew, Italian, Japanese, Korean, Latin, Spanish, Te Reo Māori						✓✓	
Linguistics				✓		✓✓	
Maori Studies						✓✓	
New Zealand Studies				✓		✓✓	
NZ Sign Language & Deaf Studies						✓✓	
Pacific Island Studies				✓		✓✓	
Philosophy					✓	✓✓	
Political Science				✓		✓✓	
PPE - Politics, Philosophy & Economics				✓		✓✓	
Sociology				✓		✓✓	
Theatre Studies				✓		✓✓	
Theology						✓✓	
Translation						✓✓	
Writing Studies						✓✓	

	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

**Aviation:**

Aviation - pilot			✓✓		✓✓	✓✓	Medical, aptitude test, interview
Aviation Management				✓		✓	

**Commerce / Business:**

Accounting				✓✓	✓	✓	Accounting, Economics & Business Studies are useful. (N.B. Can't count all 3 for UE.)
Advertising				✓		✓✓	
Commercial Law				✓		✓	
Communication							
Economics				✓✓	✓✓	✓	
Employment Relations							
Finance				✓✓	✓✓	✓	
Human Resource Management				✓		✓	
Information Management				✓✓	✓	✓	
Information Science				✓✓	✓	✓	
Innovation & Entrepreneurship				✓		✓	
International Business				✓✓	✓	✓	Languages
Management				✓✓		✓	Accounting, Economics & Business Studies are useful.
Marketing				✓		✓	
Operations Research				✓	✓✓	✓	
Property				✓		✓	
Retail & Sales				✓		✓✓	
Sustainable Enterprise							
Taxation				✓	✓	✓	

**Communication:**

Advertising				✓		✓✓	Design, Media
Broadcast Journalism						✓✓	Media, Drama
Creative Industries						✓✓	Media Studies
Journalism (Print)						✓✓	Media Studies
Public Relations						✓✓	Media Studies
Radio						✓✓	Drama
TV & Screen Production						✓✓	Drama

**Creative / Performing Arts:**

✓✓Entry may require additional Portfolio, Audition, Interview, CV etc

Architecture			✓		✓	✓	Art Painting, Art Design, Art Photography, Design & Visual Communication, Graphics, Art History
Landscape Architecture		✓		✓	✓	✓	
Colab: Creative Technologies			✓	✓	✓	✓	
Digital Design				✓	✓	✓	
Graphic Design				✓		✓	
Illustration							
Industrial / Product Design			✓	✓	✓	✓	
Photography						✓	
Fine Arts, Visual Arts						✓✓	
Visual Communication						✓	
Fashion Design						✓	Art: Design, Photography, Graphics, Textiles
Interior / Spatial Design				✓		✓	
Textile Design	✓					✓	
Urban Planning				✓		✓✓	Econ, Geo, Art
Creative Media Production						✓✓	Media Studies
Dance / Dance Studies						✓	Dance, Drama
Music – Composition, Contemporary, Performance, Popular, Technology						✓	Music, Languages
Performing Arts						✓	Drama, Dance, History
Screen / Theatre Arts			✓			✓	Art, Textiles
Screen Production						✓✓	Drama, Art



	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

### Education / Social Work:

Social Work / Human Services				✓✓		✓✓	Economics
Teaching (Primary)	At least L2 English, Maths, Science					✓✓	
Teaching (Secondary)					Focus on possible teaching subjects		

### Engineering / Applied Science / Technology:

Actuarial Science				✓✓	✓✓	✓	Economics
Aquaculture & Fisheries	✓✓	✓✓	✓	✓✓	or ✓	✓	Geography
Biotechnology	✓✓	✓✓	✓	✓	✓		
Clothing & Textile Sciences	✓✓	✓	✓	✓	or ✓	✓	
Computational Modelling			✓	✓✓	✓✓		
Computer Systems			✓✓		✓✓	✓	
Construction Management			✓	✓	✓✓		Economics
Consumer Food Science		✓✓		✓		✓	Business
Electronics	✓	✓	✓✓	✓	✓✓		
Energy Management	✓	✓	✓✓	✓	✓		Geography
Engineering - Electrical	✓		✓✓	✓	✓✓		
Engineering - Biomedical	✓	✓	✓✓	✓	✓✓		L2 Chemistry
Engineering - Chemical	✓✓		✓✓		✓✓		
Engineering - Civil	✓		✓✓	✓	✓✓	✓	Geography
Engineering - Environmental	✓	✓	✓✓	✓	✓✓	✓	Geography
Engineering - Mechanical	✓		✓✓	✓	✓✓	✓	Graphics
Engineering - Mechatronics	✓		✓✓	✓	✓✓		Graphics
Engineering - Software			✓✓	✓	✓✓		
Engineering Science	✓		✓✓	✓	✓✓		
Environmental Management	✓	✓✓	✓	✓✓	or ✓✓	✓	Geography, Econ
Food Technology	✓✓		✓✓		✓✓		
Forensic Analytical Science	✓✓	✓✓	✓	✓✓	or ✓		
Geographic Info Systems (GIS)		✓		✓✓	✓✓	✓	Econ, Geography
Health Protection	✓✓	✓✓		✓✓		✓	
Quantity Surveying			✓	✓	✓✓		
Resource & Environmental Planning				✓✓		✓	Geography
Telecommunications	✓		✓	✓	✓	✓	

### Health:

Applied Mental Health	✓	✓		✓		✓✓	C/V, Interview
Biomedical Sciences	✓✓	✓✓	✓✓	✓✓		✓	
Dental Technology	✓✓	✓	✓✓	✓		✓	Art
Dentistry	✓✓	✓✓	✓✓	✓✓		✓✓	Entry after 1st year
Health Promotion	✓	✓		✓		✓✓	
Health Science First Year	✓✓	✓✓	✓✓	✓✓		✓✓	
Health Science	✓✓	✓✓		✓✓		✓✓	
Medical Imaging		✓✓	✓✓	✓	✓✓	or ✓✓	
Medical Laboratory Science	✓✓	✓✓		✓✓		✓	
Medical Radiation Therapy		✓✓	✓✓	✓	✓✓	or ✓✓	
Medicine	✓✓	✓✓	✓✓	✓✓		✓✓	Entry after 1st year
Midwifery	✓	✓		✓		✓✓	
Nursing	✓	✓		✓		✓✓	
Occupational Therapy	✓	✓	✓			✓✓	
Optometry	✓✓	✓✓	✓✓	✓✓		✓✓	Entry after 1st year
Oral Health	✓	✓✓	✓			✓✓	
Paramedic	✓	✓	✓			✓✓	
Pharmacy	✓✓	✓✓	✓✓	✓✓		✓	
Physiotherapy	✓✓	✓✓	✓✓	✓✓		✓✓	PE
Podiatry	✓	✓	✓			✓✓	PE
Speech & Language Therapy		✓✓		✓		✓✓	English L3 or A Level

	Chemistry	Biology	Physics	Statistics	Calculus	*Table A Subjects	Other Subjects
--	-----------	---------	---------	------------	----------	-------------------	----------------

### Law

Law (LLB)	Also need suitable subjects for another degree					✓✓	Drama
-----------	--	--	--	--	--	----	-------

### Science

Anatomy & Structural Biology	✓✓	✓✓		✓✓		✓✓	PE
Anthropological Science	✓	✓		✓			
Biochemistry	✓✓	✓✓		✓✓			
Biological Science	✓✓	✓✓		✓✓			
Botany	✓	✓✓		✓✓			Geography
Chemistry	✓✓	✓	✓	✓✓	✓✓		
Clothing & Textile Sciences	✓	✓		✓	or✓	✓	
Computer Science			✓	✓	✓✓	✓	
Computer Graphics				✓✓	✓✓		Graphics, Art
Ecology		✓✓		✓✓		✓	Geography
Economics & Statistics		✓		✓✓	✓✓	✓	Economics
Energy Management	✓	✓	✓✓	✓	✓		Geography
Energy Studies			✓✓		✓✓	✓	
Environmental Science	✓	✓✓	✓	✓✓	or ✓✓	✓	Geography, Econ
Exercise & Sports Science	✓	✓	✓	✓		✓	PE
Food Safety	✓✓	✓✓	✓✓	✓	or✓		
Food Science	✓✓	✓✓	✓✓	✓	or✓		
Genetics	✓✓	✓✓		✓	or✓		
Geography	✓			✓✓		✓✓	Geography
Geology	✓	✓	✓	✓	✓	✓	Geography
Geophysics	✓		✓✓	✓	✓	✓	Geography
Human Nutrition	✓✓	✓✓		✓✓		✓✓	
Information Science			✓	✓	✓		Accounting
Land & Spatial Info Studies		✓	✓✓	✓✓	✓✓	✓	Geography
Logic & Computation				✓✓	✓✓	✓	
Marine Biology	✓✓	✓✓	✓	✓			
Mathematics				✓✓	✓✓	✓	
Medicinal Chemistry	✓✓	✓✓		✓			
Microbiology	✓✓	✓✓		✓		✓	
Neuroscience	✓✓	✓✓	✓	✓		✓	PE
Nutrition	✓✓	✓✓		✓✓		✓✓	
Pharmacology	✓✓	✓✓		✓		✓	
Physics			✓✓	✓	✓✓		
Physiology	✓✓	✓✓	✓	✓		✓	PE
Plant Biotechnology	✓✓	✓✓		✓			Geo, Language
Psychology		✓✓		✓✓		✓✓	
Statistics		✓		✓✓	✓✓		Economics
Surveying (Land)			✓	✓	✓✓	✓	Geography
Zoology	✓	✓✓		✓✓		✓✓	

### Sport / Recreation / Phys Ed:

Exercise & Sports Science	✓	✓	✓	✓		✓	PE
Exercise Prescription & Mgmt	✓	✓✓	✓	✓		✓	PE
Sport Coaching		✓				✓	PE
Sport & Leisure / Recreation		✓		✓		✓	PE

### Travel / Tourism / Hospitality:

Hospitality Management				✓		✓	Geography, Languages, Commerce subjects
Tourism				✓		✓	