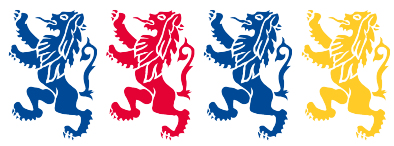




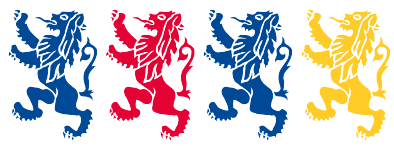
Future Planning & Subject Selection Evening

Year 11, 2016



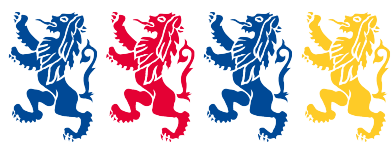
What is the SACE?

- SACE is short for South Australian Certificate of Education
- A certificate you receive when you successfully complete the requirements of the SACE
- Internationally recognised
- Helps lead to work, training, or further study

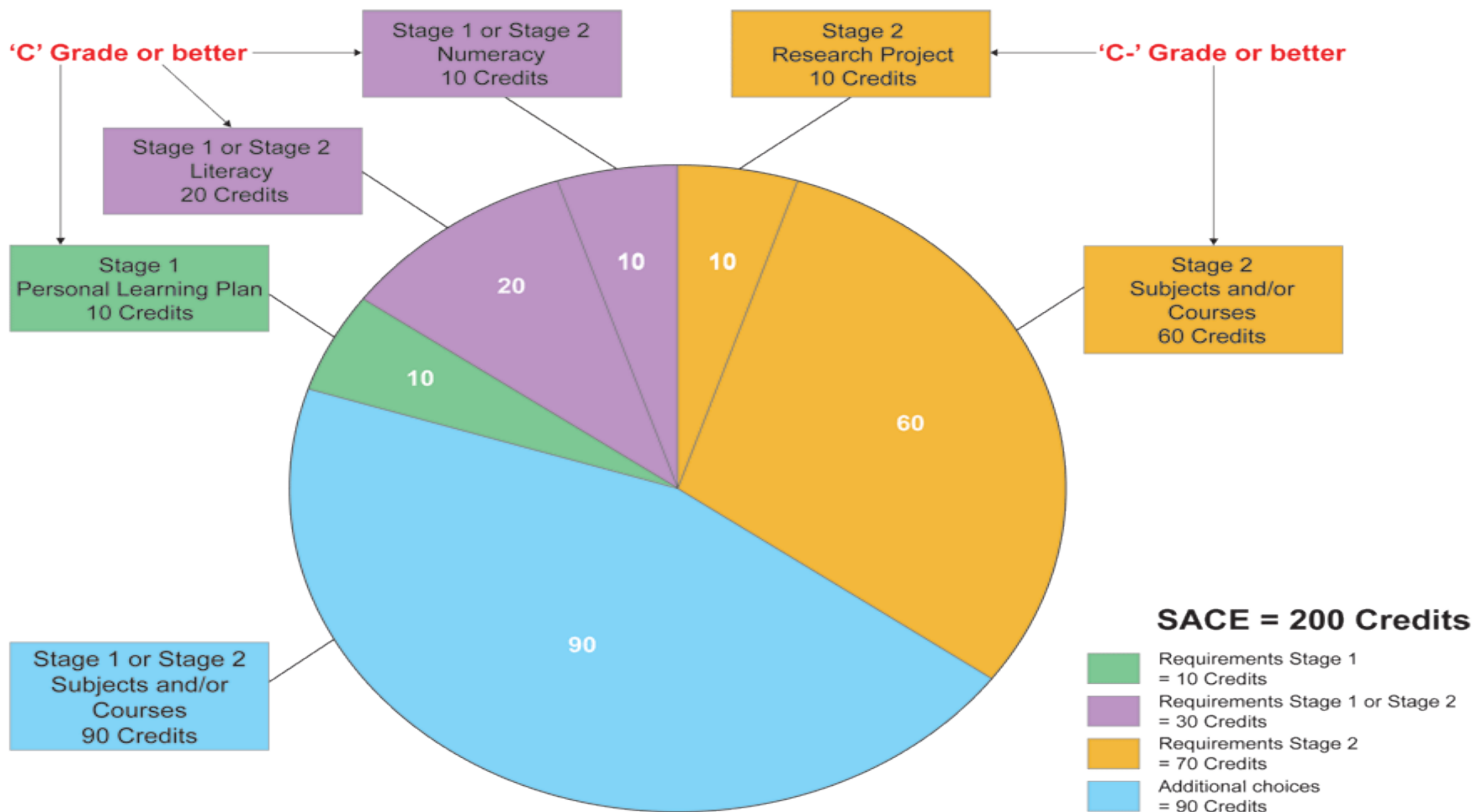


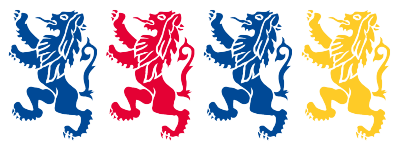
About the SACE

- Recognises learning and skills both in and outside school
- You can combine study and part-time work, a traineeship or a school-based apprenticeship
- You get credit for other academic studies, vocational training, skilled work and community learning



SACE Requirements





Compulsory Subjects

Stage 1

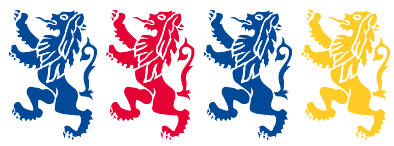
- PLP – (10 credits)
- Stage 1– Literacy (English or ESL) 20 credits
- Stage 1– Numeracy (one semester of Mathematics) 10 credits

Must achieve a C- grade or better

Stage 2

- Research Project – major project 10 credits
(30% external assessment, 70% internal)

Must achieve C- grade or better



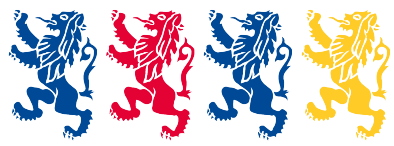
Subject Selection

Important points to remember:

Gather information

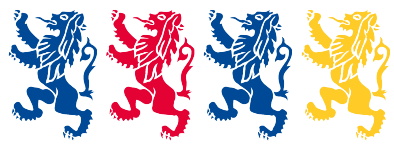
- what courses are you interested in?
- prerequisites, assumed knowledge
- talk to the Careers Counsellors, Heads of Faculty, Heads of House, your teachers

Use the SATAC guide



What is the Australian tertiary Admissions rank? (ATAR)

- A measure of how your overall achievement in the SACE compared to other students
- Used by universities to select school leavers for a place in university courses
- Ranges from 0 to 99.95
- Was formerly called the Tertiary Entrance Rank (TER)

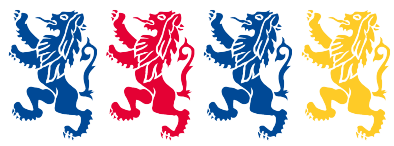


Calculating an ATAR

EXAMPLE: A student receives the following scaled scores.

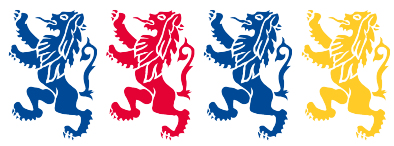
Stage 2 Subjects	Biology	Chemistry	PE	Maths Studies	Research Project
SACE credits	20	20	20	20	10
Grade	A	A-	A-	B+	B+
Scaled Score	18.6	17.6	17.6	16.6	8.0

Score from best 60 credits of TAS = 53.8 (Biol, Chem, PE)
Other 30 credits = 24.6 (Maths & Research Project)
University Aggregate (out of 90) = 78.4
ATAR (based on 2014) \approx 92.55



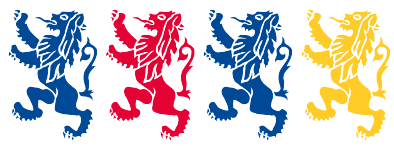
Online Subject Choices

- Web preferences – user name and password
- Need to choose 120 credits + 1
- Preference 1 – English or ESL (20 credits)
- Preference 2 – Specialist Mathematics & Mathematics Methods (40 credits)
Mathematics Methods (20 credits)
General Mathematics (20 credits)
Essential Mathematics (10 or 20 credits)
(NB – 10 credits at Year 11 means no year 12 mathematics pathway)



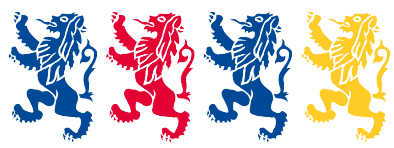
The “+1” and why...

- Studying a Year 12 subject
- Indicate with a yes or no
- Choose appropriately e.g Year 12 Biology then choose 20 credits of Year 11 Biology
- Fill out an application form
- Maximising your ATAR score



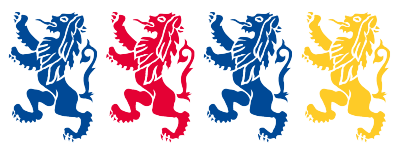
Subject Information

- 20 credit only subjects – semester 1 and 2. e.g. French, Japanese, Physics, Chemistry
- Some subjects are 20 credits or 10 credits e.g. Physical Education can be studied for the whole year or for one semester only
- Business & Enterprise, Outdoor Education, Philosophy Psychology, Art, Design, Fashion Design and Photography are for one semester only



Student A

Year 10	Credits	Total
Stage 1 Personal Learning Plan	10	10 compulsory
		10
Year 11		
Stage 1 Chemistry	20	
Stage 1 Physics	20	
Stage 1 Specialist Mathematics & Mathematical Methods	40	10 compulsory
Stage 1 English	20	20 compulsory
Stage 2 Design & Technology	20	
Stage 2 Research Project	10	10 compulsory
		130
Year 12		
Chemistry	20	
Physics	20	
Specialist Mathematics	20	
Mathematical Methods	20	
English Literary Studies	20	100
Total		240



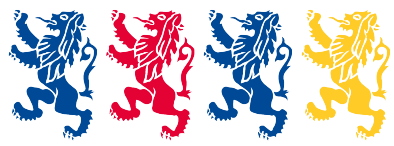
Student B

Year 10	Credits	Total
Stage 1 Personal Learning Plan	10	10 compulsory
		10
Year 11		
Stage 1 Art	10	
Stage 1 Geography	20	
Stage 1 Home Economics	20	
Stage 1 Outdoor Education	10	
Stage 1 General Mathematics	20	10 compulsory
Stage 1 English	20	20 compulsory
Stage 1 Physical Education	20	
Stage 2 Research Project	10	10 compulsory
		130
Year 12		
General Mathematics	20	
English	20	
Physical Education	20	
Visual Art - Art	20	
		80
Total		220



Student C

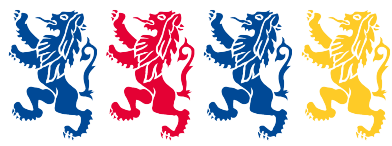
Year 10	Credits	Total
Stage 1 Personal Learning Plan	10	10 compulsory
Stage 1 Design & Technology	10	
Stage 1 Nutrition	10	30
Year 11		
Stage 1 Business & Enterprise	10	
Stage 2 Nutrition	20	
Stage 1 Home Economics	20	
Stage 1 Outdoor Education	10	
Stage 1 Mathematical Methods	20	10 compulsory
Stage 1 English	20	20 compulsory
Stage 1 Biology	20	
Stage 2 Research Project	10	10 compulsory
		130
Year 12		
Mathematical Methods	20	
English Literacy Studies	20	
Biology	20	
Business & Enterprise	20	
		80
Total		240



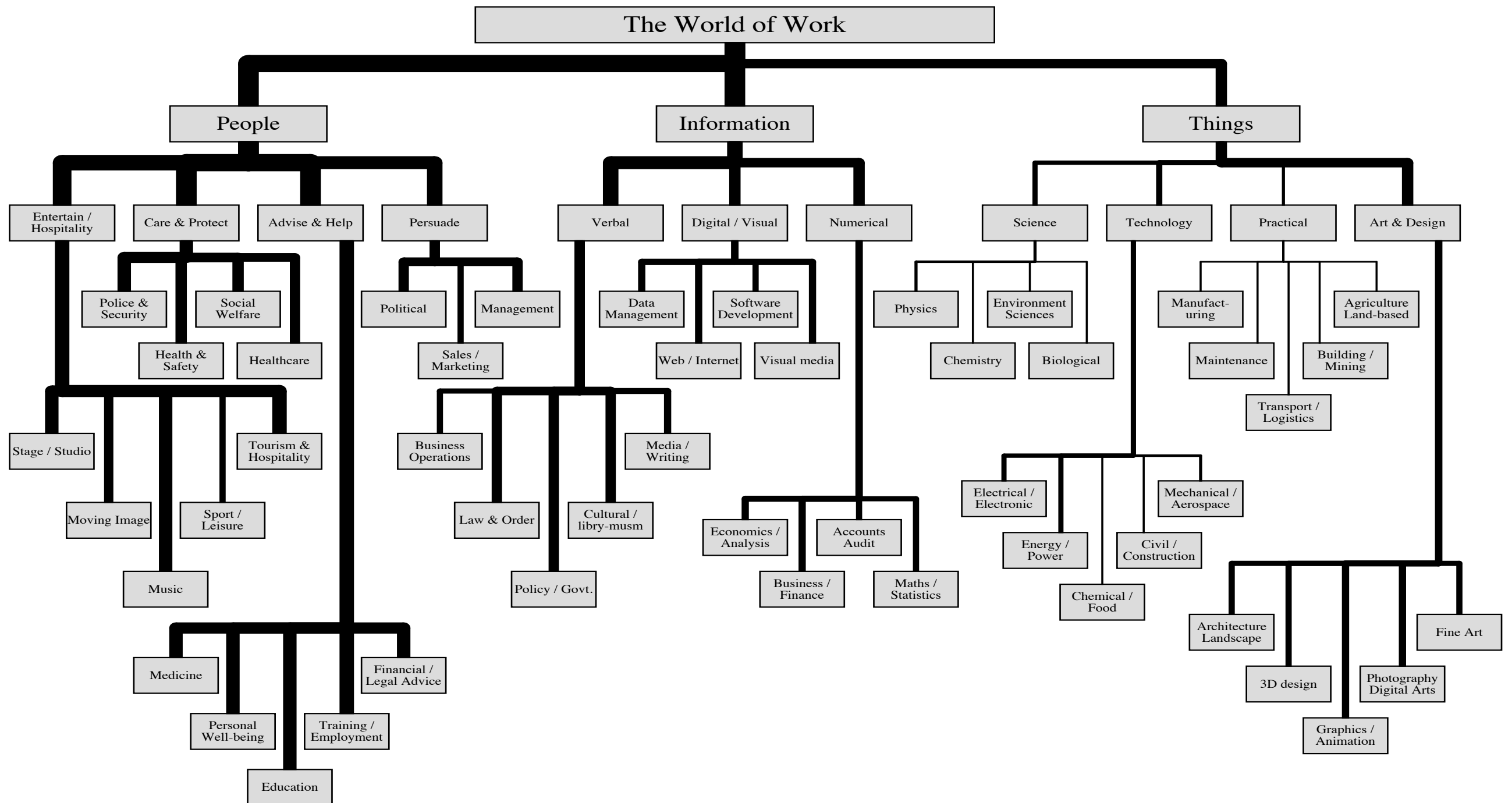
Important Dates

Term 3

- Online information sent out Week 2
- Information due August 20



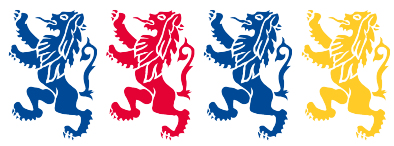
Using Morrisby





Exploring ideas

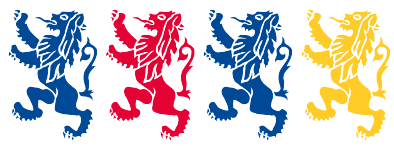
Career Suggestion	Associated Areas	Career Suggestion	Associated Areas
Solicitor	Barrister	Hospital executive	Public Service manager
	Occupational psychologist		Business manager
University lecturer	Teaching		Project manager
	Solicitor	Company secretary	Accountant (industry/mgt)
	Educational psychologist		Business manager
Teaching	University lecturer		Solicitor
	Teacher: Early childhood	Marketing manager	Advertising executive
	Journalist		Business manager
Educational psychologist	Teaching		Financial planner
	Occupational psychologist	Accountant (private)	Accountant (industry/mgt)
	Public relations officer		Actuary
Human resources	Recruitment consultant		Company secretary
	Business manager	Economist	Accountant (private)
	Public Service manager		Banking manager
Recruitment consultant	Human resources		Company secretary
	Management consultant	Actuary	Insurance officer (underwriter)
	Business devt. manager		Mathematician/ statistician
			Investment banker



Understanding the suggestions

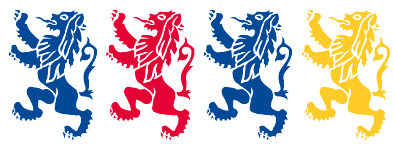
<http://myfuture.edu.au/explore-careers/browse-occupations>

<http://www.jobguide.thegoodguides.com.au/occupation/search>



Where to next?

- Keep as many subject options open as possible
- Research university courses (check prerequisites)
- University Open Days (mid-late August)
- Reflect upon interests
- Look for opportunities (work experience, volunteering, etc)
- Talk to family and friends
- Be patient, but keep actively exploring ideas



Pathways after school

Higher Education Sector

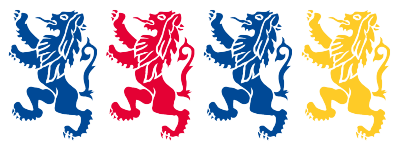
- University Courses
- Requires completion of Year 12 & required ATAR
- May have additional entrance requirements (UMAT, portfolio of work, audition, interview, prerequisites, etc)

VET/TAFE Sector

- Vocational Skills and TAFE courses (Cert II, Cert III, Cert IV, Diploma, Advanced Diploma)
- Can lead into uni courses (eg Bachelor degree)
- Range of entrance requirements

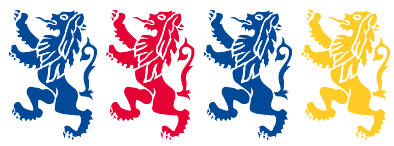
The Workforce

- Requires getting a job (application, interview, etc)
- Straight into earning money
- May require on the job training



Uni Courses - What do I need to know?

- Required ATAR
- Application process (SATAC + ?)
- Direct application?
- Prerequisite subjects?
- Assumed knowledge?
- Any other pathways to same area? (ie Plan B)
- If planning uni in Victoria, need English at Year 12



Where do I research courses?

South Australia/NT - www.satac.edu.au

Interstate:

Victoria (VTAC) www.vtac.edu.au

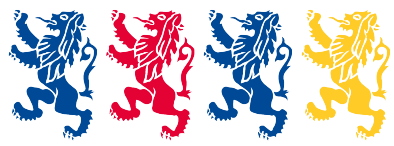
NSW & ACT (UAC) www.uac.edu.au

Western Australia (TISC) www.tisc.edu.au

Queensland (QAC) www.qtac.edu.au

(ATAR is converted to a different scoring system for Queensland)

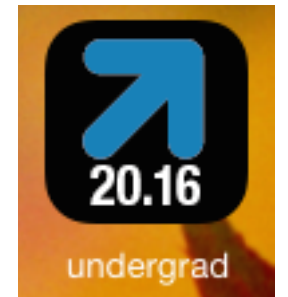
Tasmania (University of Tasmania website)


















Directory Undergrad 20.16 App (iPhone or iPad)

Search “undergrad” in App Store

directory 
undergraduate
20.16



 Graduate employment >

	Agriculture, environment >		Health >
	Built environment >		Humanities >
	Business >		Information technology >
	Communications >		Law >
	Design and visual arts >		Performing arts >
	Education >		Science >
	Engineering >		Sport and recreation >



South Australia

70.05 - 95.00

95.00 U Adelaide [Adelaide] (Qld 4)
B Laws and combined degrees >

92.30 U Adelaide [Adelaide] (Qld 5)
B Engineering (Civil/Env) double degrees >

89.30 U Adelaide [Adelaide] (Qld 6)
B Engineering (Civil and Environmental) >

86.95 U Adelaide [Adelaide] (Qld 8)
B Engineering (Petroleum Civil Structural) >

83.70 U Adelaide [Adelaide] (Qld 9)
B Engineering (Civil Structural
Environmental) >

82.20 U Adelaide [Adelaide] (Qld 9)
B Engineering(Civil/Struct) double degs >

81.25 U Adelaide [Adelaide] (Qld 10)
B Engineering (Flexible entry) >

80.70 U Adelaide [Adelaide] (Qld 10)
B Engineering (Civil & Structural) >

77.45 Flinders University (Qld 11)
B Engineering (Civil) >

77.10 Flinders University (Qld 11)
B Engineering (Civil) combined >

South Australia

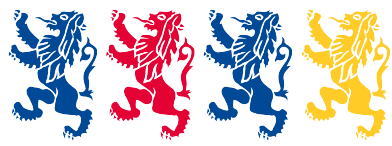
75.05 - 99.95

99.95 Flinders University (Qld 1)
B Engineering (Mech)/M Eng (Biomedical) >

95.95 Flinders University (Qld 3)
B Eng (Biomedical)/M Eng (Biomedical) >

79.20 Flinders University (Qld 10)
B Engineering (Biomedical) combined >

75.05 Flinders University (Qld 11)
B Engineering (Biomedical) >



< Engineering

State filtering on

Showing only courses in capital cities

South Australia

70.35 - 99.95

99.95 U Adelaide [Adelaide] (Qld 1)
B Engineering (Telecommunications) >

95.40 U Adelaide [Adelaide] (Qld 4)
B Engineering (Telecoms) double degrees >

95.00 U Adelaide [Adelaide] (Qld 4)
B Laws and combined degrees >

89.95 Flinders University (Qld 6)
B Engineering (Electronics) combined >

87.85 Flinders University (Qld 7)
B Engineering (Electrical) combined >

83.35 U Adelaide [Adelaide] (Qld 9)
B Engineering (Electrical & Sustainable) >

83.10 U Adelaide [Adelaide] (Qld 9)
B Engineering Mechanical & Sustainable >

81.25 U Adelaide [Adelaide] (Qld 10)
B Engineering (Flexible entry) >

80.85 U Adelaide [Adelaide] (Qld 10)
B Eng (Elect & Electronic) double degs >

electrical & communications

B Engineering (Telecommunications)
University of Adelaide Adelaide
99.95 (Qld 1) (IB 45) F/P

principal subject areas

electrical & communications

historical data

2015	99.95
2014	98.35
2013	97.90
2012	85.80
2011	92.10

notes:

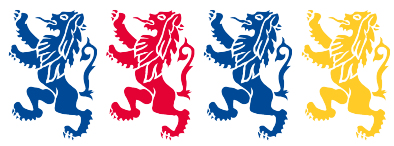
Cut-off scores listed are for the published main round offers in January each year. (Some Queensland anomalies have been adjusted.)

Oth. selection criteria other than just an ATAR

n/a no valid cutoff possible - too few offers

(Qld is the ATAR equivalent)

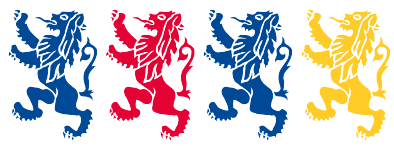
(IB is International Baccalaureate equivalent)



Subject Bonus Points in SA

SA Language, Literacy and Mathematics Bonus Scheme

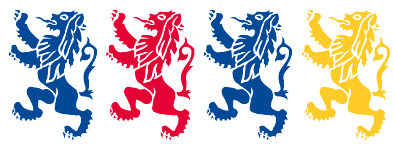
- Maximum of 4 bonus points
- 2 per subject for Specialist Mathematics, Mathematics Methods, English Studies, English Communications, LOTE
- Must get a C- or better
- Does NOT apply for Medicine or Veterinary Bioscience
- *Check each university website individually*



English

SACE Stage 1 subject choices 2016:

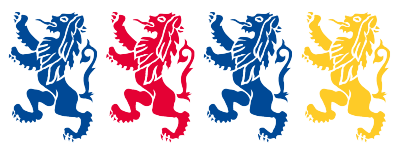
- English
- English as an Additional Language
- Both 20 credits



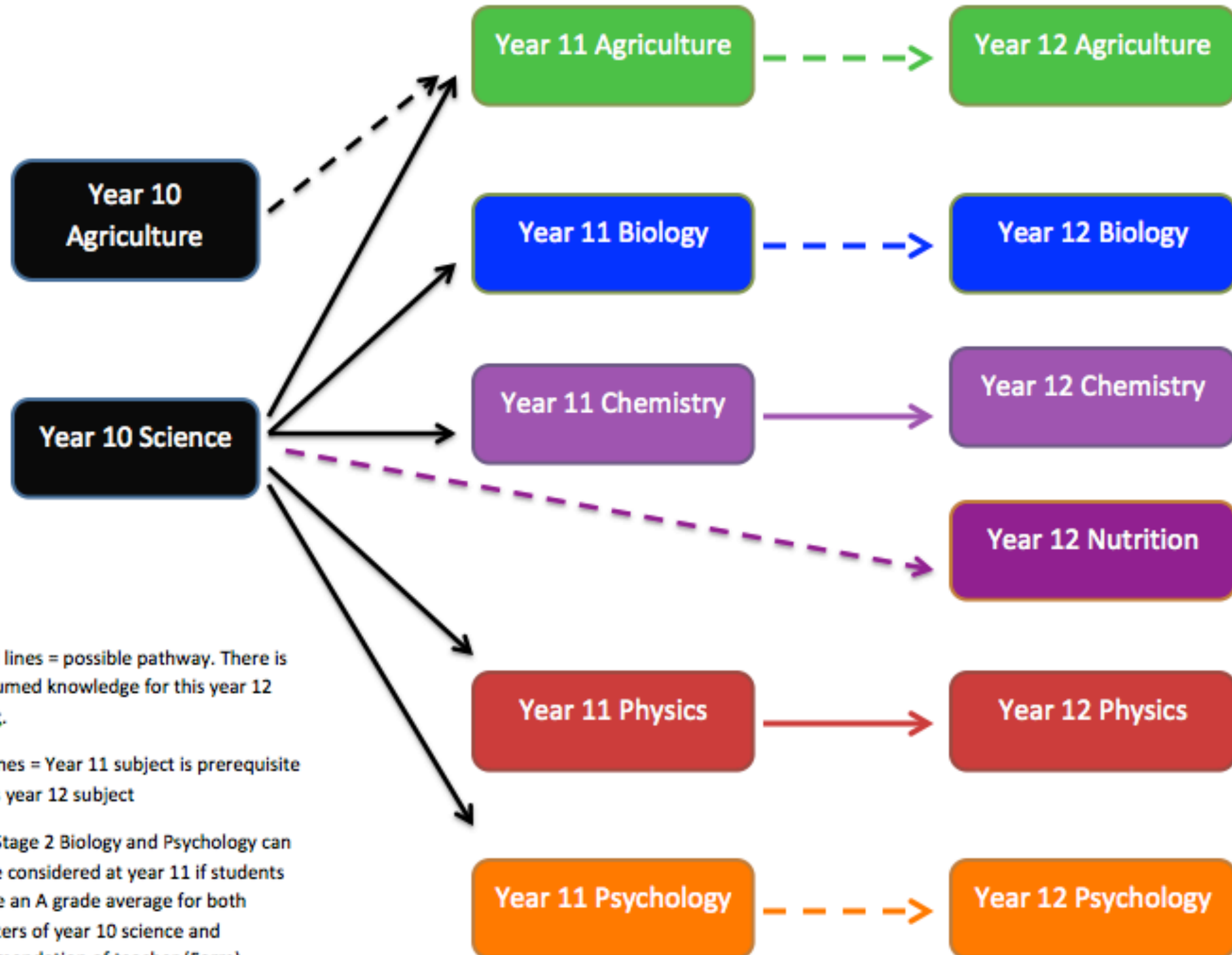
SCOTCH
COLLEGE
ADELAIDE

Science

SACE Stage 1 subject choices 2016



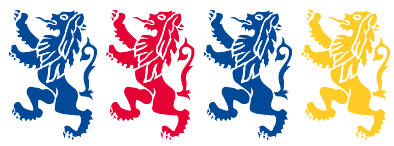
Science Pathways



Dotted lines = possible pathway. There is no assumed knowledge for this year 12 subject.

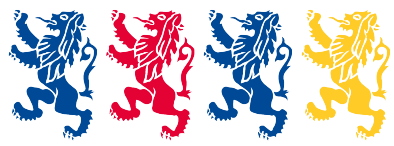
Solid lines = Year 11 subject is prerequisite for this year 12 subject

Note: Stage 2 Biology and Psychology can only be considered at year 11 if students achieve an A grade average for both semesters of year 10 science and recommendation of teacher (Form)



Mathematics

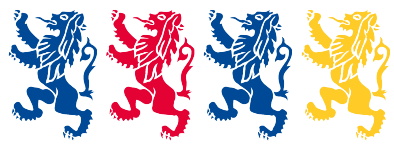
SACE Stage 1 subject choices 2016



Numeracy and SACE

The SACE has *compulsory* (literacy and) *numeracy* requirements.

A minimum C grade in 10 credits (or 1 semester) of any one of the courses offered will meet the numeracy requirement of the SACE.



Subject choices

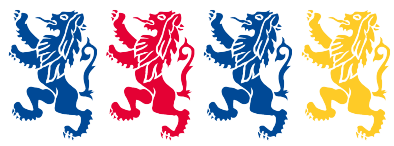
Essential Mathematics (10 or 20 credits)

General Mathematics (20 credits)

Mathematical Methods (20 credits)

Specialist Mathematics (40 credits)

(in conjunction with Mathematical Methods)



Essential Mathematics (10 or 20 credits)

This pathway prepares students who are planning to pursue a career in a range of trades or vocational pathways.

Prerequisite:

Year 10 General Mathematics (C grade or better and recommendation)

Semester 1

(10 credits)

- Calculations, time, ratio
- Earning & spending
- Geometry

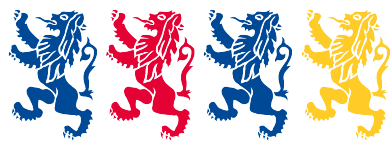
Semester 2

(10 credits)

- Data in context
- Measurement
- Investing

STAGE 2

Essential Mathematics
(C grade or better,
recommendation)



General Mathematics (20 credits)

This pathway prepares students for entry to tertiary courses requiring a non-specialised background in mathematics.

.

Prerequisite:

Year 10 General Mathematics (B grade or better and recommendation), or
Year 10 Mathematics (C grade or better and recommendation)

Semester 1

(10 credits)

- Investing and Borrowing
- Measurement
- Statistical Investigation

Semester 2

(10 credits)

- Applications of Trigonometry
- Linear Functions and their Graphs
- Matrices and Networks

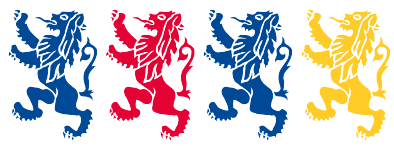
STAGE 2

General Mathematics

(B grade or better,
recommendation)

Essential Mathematics

(C grade or better,
recommendation)



Mathematical Methods (20 credits)

This pathway can lead to tertiary studies of economics, computer sciences, and the sciences.

It prepares students for courses and careers that may involve the use of statistics, such as health or social sciences.

.Prerequisite:

Year 10 Mathematics (C grade or better and recommendation)

Semester 1

(10 credits)

- Functions and graphs
- Trigonometry
- Counting and probability

Semester 2

(10 credits)

- Statistics
- Growth and decay
- Introduction to Differential Calculus

STAGE 2

Mathematical Methods

(B grade or better,
recommendation)

General Mathematics

(C grade or better,
recommendation)

Essential Mathematics

(C grade or better,
recommendation)



Specialist Mathematics (40 credits)

In conjunction with Mathematical Methods (20 credits)

This pathway leads to a range of tertiary courses including mathematical sciences, engineering, space science, and laser physics.

Prerequisite:

Year 10 Mathematics (B grade or better and recommendation)

Semester 1

(10 credits)

- Sequences and series
- Geometry
- Vectors

Semester 2

(10 credits)

- Trigonometry
- Matrices
- Real and complex numbers

STAGE 2

**Specialist Mathematics
and
Mathematical Methods**

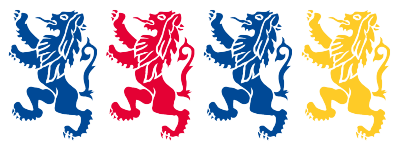
(B grade or better,
recommendation)

General Mathematics

(C grade or better,
recommendation)

Essential Mathematics

(C grade or better,
recommendation)

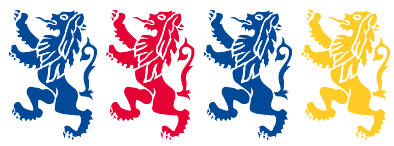


When choosing...

‘Choose to your highest potential!’

Consider:

- Year 10 Mathematics results and your teacher’s recommendation
- Meeting the SACE numeracy requirement (C grade or better)
- Year 11 course prerequisites
- Career pathways and prerequisites
- Keeping your options open as far as possible



When choosing...

Discuss your choices with:

- Your Mathematics teacher
 - Careers Counsellors (Mr Kelly, Mrs Sorensen)
 - Your parents
-
- *‘Choose to your highest potential!’*