



Future Planning Evening

Year 11 2024

Teresa Hanel

Deputy Principal – Teaching and Learning



Question and Answers

Please use the Q and A at the bottom of the screen
or we are more than happy to respond to your
questions at any time.

Teresa Hanel thanel@scotch.sa.edu.au

Olga Kumar okumar@scotch.sa.edu.au

Michelle McGrath mmcgrath@scotch.sa.edu.au

Michael Rodenburg mrodenburg@scotch.sa.edu.au

David Albano dalbano@scotch.sa.edu.au

Mark Goreham mgoreham@scotch.sa.edu.au

Nhu Trinh ntrinh@scotch.sa.edu.au

Amanda Johnson ajohnson@scotch.sa.edu.au

Dance, Drama and Music performingarts@scotch.sa.edu.au

Careers – bsorensen@scotch.sa.edu.au,

ssmith@scotch.sa.edu.au, jrainey@scotch.sa.edu.au

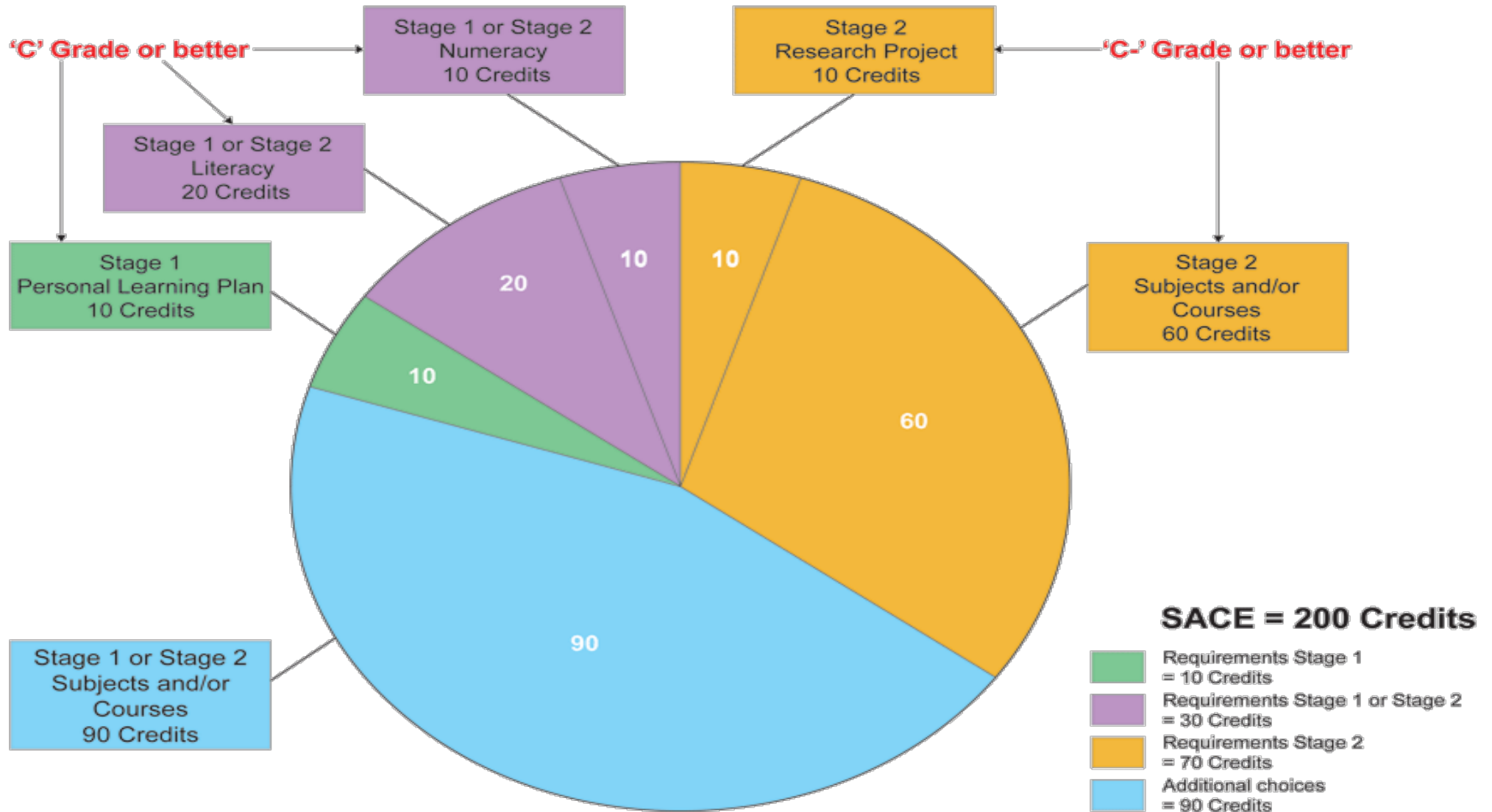


What is the SACE?

- SACE acronym 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
- Recognises learning and skills both in and outside school
- You get credit for other academic studies, vocational training, skilled work and community learning



SACE Requirements





Compulsory Subjects

Stage 1

- PLP (now called EIF) – (10 credits)
- Stage 1– Literacy (English or EAL) 20 credits
- Stage 1– Numeracy (one semester of Mathematics) 10 credits

Must achieve a C- grade or better

Stage 2

- Research Project (now called AIF) – 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, teachers

Use the SATAC guide

<https://www.satac.edu.au/satac-publications>





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
- University Aggregate is based on the best 4 ½ Year 12 subjects



Calculating an ATAR

EXAMPLE: Student A receives the following scaled scores.

Stage 2 Subjects	Biology	English	Maths Methods	Physics	Specialist Maths	AIF
SACE credits	20	20	20	20	20	10
Grade	B+	A	A+	A+	A+	A+
Scaled Score	17.2	17.3	19.5	19.6	19.6	9.5

University Aggregate (out of 90) = 85.5
ATAR (based on 2023) \approx 98.3



Student A

Year 10	Credits	Total
Stage 1 Exploring Identities & Futures	10	10 compulsory
Stage 1 Biology	10	20
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 Biology	20	
Stage 2 Activating Identities & Futures	10	10 compulsory
		130
Year 12		
English	20	
Physics	20	
Specialist Mathematics	20	
Mathematical Methods	20	
		80
Total		240



Student A

Year 10	Credits	Total
Stage 1 Exploring Identities & Futures	10	10 compulsory
Stage 1 Biology	10	20
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 Biology	20	
Stage 2 (AIF)	10	10 compulsory
		130
Year 12		
English	20	
Physics	20	
Specialist Mathematics	20	
Mathematical Methods	20	
		80
Total		240



Calculating an ATAR

EXAMPLE: Student B receives the following scaled scores.

Stage 2 Subjects	Cert III	Essential Maths	Outdoor Ed	English	Health	AIF
SACE credits	50	20	20	20	20	10
Grade	No grade	A-	A-	A-	A-	B-
Scaled Score	15.1	15.9	14.6	15.2	14.3	5.3

University Aggregate (out of 90) = 67.95

ATAR (based on 2023) \approx 82.7

Scaling video: see SATAC site <https://www.satac.edu.au/pages/scaling>



Student B

Year 10	Credits	Total
Stage 1 Exploring Identities & Futures	10	10 compulsory
Stage 1 Science & Engineering	10	20
Year 11		
Stage 1 Business & Innovation	10	
Certificate III in Electrotechnology	50	
Stage 1 Outdoor Education	10	
Stage 1 Essential Maths	20	10 compulsory
Stage 1 English	20	20 compulsory
Stage 1 Biology	20	
Stage 2 Activating Identities & Futures	10	10 compulsory
		140
Year 12		
Essential Maths	20	
Outdoor Education	20	
English	20	
Health	20	
		80
Total		240



Student B

Year 10	Credits	Total
Stage 1 Exploring Identities & Futures	10	10 compulsory
Stage 1 Science & Engineering	10	20
Year 11		
Stage 1 Business & Innovation	10	
Certificate III in Electrotechnology	50	
Stage 1 Outdoor Education	10	
Stage 1 Essential Maths	20	10 compulsory
Stage 1 English	20	20 compulsory
Stage 1 Biology	20	
Stage 2 (AIF)	10	10 compulsory
		140
Year 12		
Essential Maths	20	
Outdoor Education	20	
English	20	
Health	20	
		80
Total		240



Online Subject Choices

- Web preferences – username and password
- Need to choose 120 credits (Research Project/AlF compulsory)
- Preference 1 – English, Essential English or EAL (20 credits)
- Preference 2 – Specialist Mathematics & Mathematical Methods (40 credits)
 - Mathematical 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)
- There will be an opportunity for students to choose a private study option



Year 12 subjects

- Studying a Year 12 subject
- Choose appropriately e.g Year 12 Biology
- Fill out a form online – teachers
- Why?
- Study interstate, free up choices, interest



Subject Information

- 20 credit only subjects – Semester 1 & 2 (Eg French, Chinese, Physics, Chemistry)
- Some subjects are 20 credits or 10 credits (Eg Physical Education can be studied for the whole year or for one semester only)
- Business Innovation, Economics, Geography, Outdoor Education, Philosophy, Psychology, Art, Design, Textiles, Nutrition and Photography are for one semester only
- Certificate III in Sport Coaching
- Private Study



Future pathways

Belinda Sorensen Cameron & Douglas

Samantha Smith Campbell & Gordon

Janet Rainey McGregor & Stewart



Pathways after school – Belinda Sorensen

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

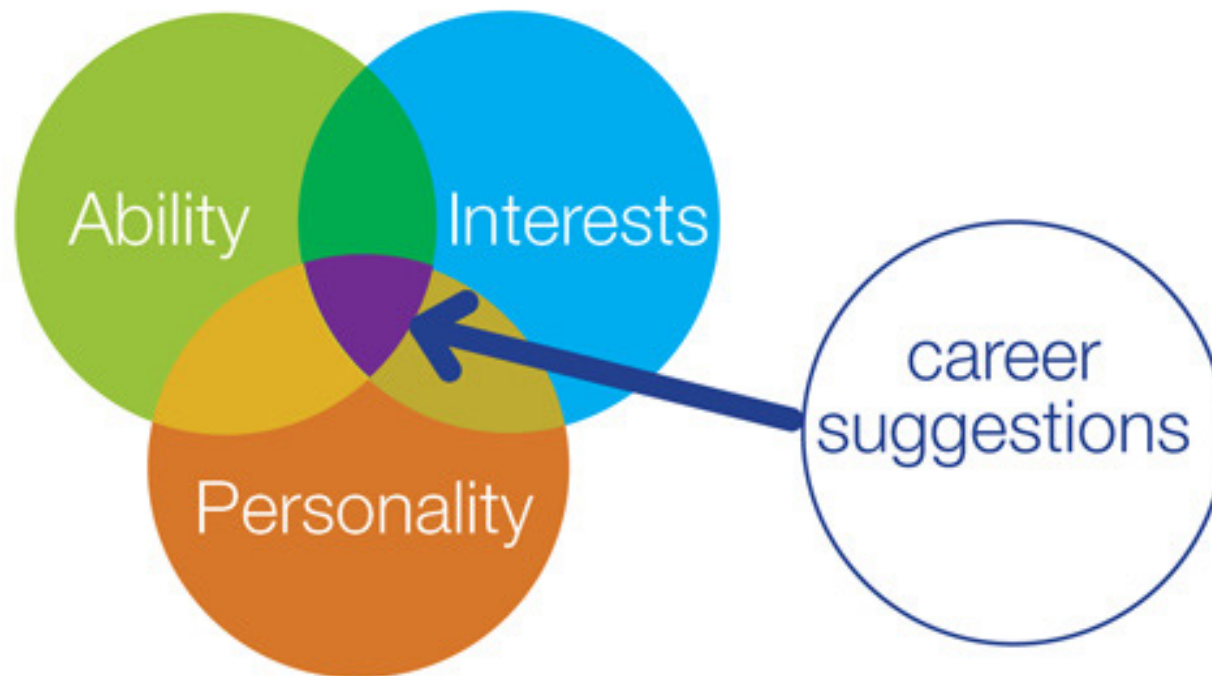
The Workforce

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



Morrisby & Careers Exploration

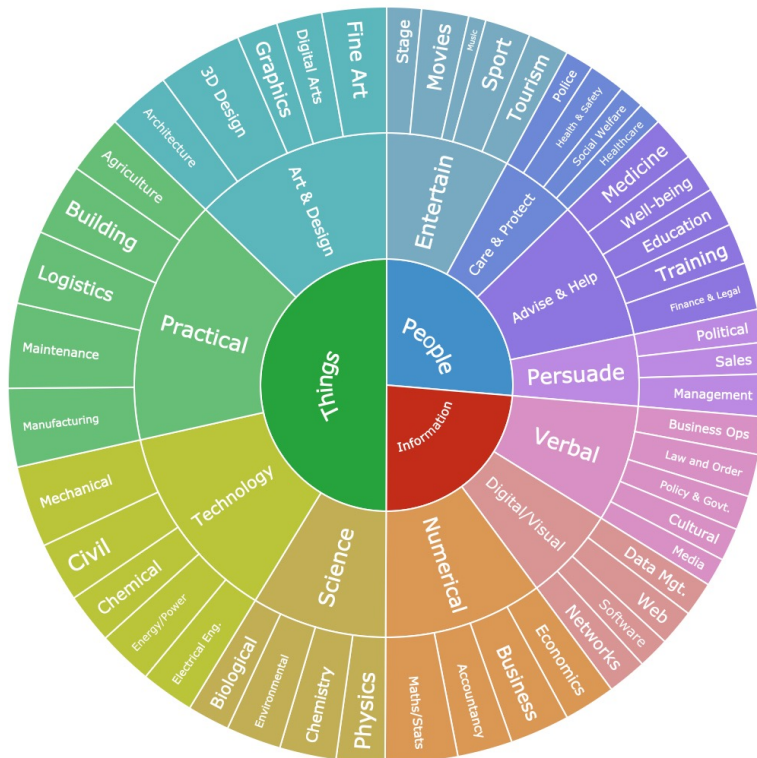
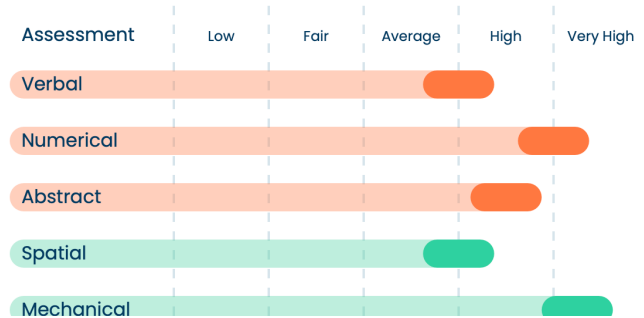
What are we looking for?





Morrisby Profile

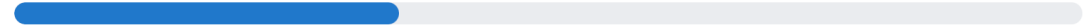
Aptitudes: Your potential and relative strengths



Interests: Your career interests

People

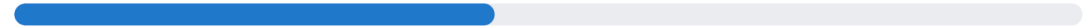
Caring for people



Advising people

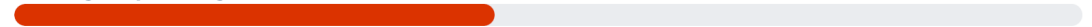


Persuading people

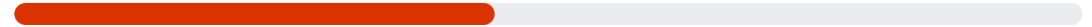


Information

Writing & speaking



Computers



Analysing numbers



Things

Working in Science



Engineering & technology



Make, build & transport



Art & Design





Morrisby Profile

Personality Type: The Extravert

Sociable and gregarious enjoys interacting with others and the physical world in general.
Logical and reasoned or compassionate and intuitive as appropriate.

Extravert

Do you focus more on the world and people around you?

Introvert

Do you focus on your inner world of ideas, thoughts and deliberations?

Intuitive

Are you content to work from a subjective impression of a situation?

Sensing

Do you prefer having objective information?

Thinking

Do you always follow the technically correct course of action?

Feeling

Do you take your and other peoples feelings into account?

Judging

Are you more comfortable in a well-ordered, structured environment?

Perceiving

Do you prefer the spontaneity of a flexible lifestyle?

Workplace: Your preferences

Physically active work



Working outdoors



Working indoors



Dealing with the public



Priorities: What's important to you

Contribution



Social



Leisure



Interest



Respect



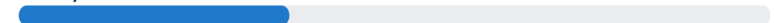
Security



Rewards



Mobility



Work Styles

Working independently



Seeking success



Work focused



Leading others



Using your own ideas





Exploring Ideas

Careers: Your suggestions and favourites

Your top suggestions ⓘ



Careers Level: Degree

Change your qualification level

Focus On ⓘ

- ☐ Aptitudes
- ☐ Interests
- ☐ Specialist Interests
- ☐ Personality

What if I...? ⓘ

- ☐ Obtained a competitive degree
- ☐ Focused on Apprenticeships / Traineeships

Title

Mechanical Engineer/ Technologist ⓘ 1 related career

100%



Environmental Engineer/Technologist ⓘ

99%



Marine Engineer ⓘ

93%



Aeronautical Engineer/Technologist ⓘ

92%



Civil Engineer ⓘ

89%



Agricultural Scientist ⓘ

88%



Chemical Engineer ⓘ

87%





What is this career about?

Mechanical Engineer/ Technologist

Your rating 100%

One of your Favourites



Overview

Mechanical engineers design, build and test new products; they may also look at ways to improve the work of machinery that is already installed and being used. They may be asked to help solve a production problem and start by finding out more about the process. It may mean that existing machinery can be adapted or a new piece of equipment needs to be designed. They may also be involved in research and development, looking at new technologies and how these can be used within various processes. They are assisted at a high level by technologists. Mechanical engineers can work in most of the other engineering industries such as automotive, aerospace, construction and manufacturing. They can work in research, development, maintenance, sales or marketing. People who do this work need to be logical and well organised, with excellent technical skills and good problem solving ability. For future employment prospects and unemployment trend information refer to the Your Career web address.

Media



My Big Tomorrow video - Mechanical Engineer



My Big Tomorrow video - Entrepreneur in Automotive, Mechanical, Industrial Engineering

Mechanical Engineer/ Technologist

Your rating 100%

One of your Favourites



Resources

Key Links

Your Career - Mechanical Engineer [↗](#)
The Good Careers Guide - Mechanical Engineer [↗](#)

The Good Careers Guide - Mechanical Engineering Technologist [↗](#)
SEEK Careers - Mechanical Engineer [↗](#)

Professional Bodies

Engineers Australia [↗](#)

Institute of Automotive Mechanical Engineers [↗](#)

General Information

Jobs and Skills - Mechanical Engineer [↗](#)
CareerHQ - Mechanical Engineer [↗](#)
Open Universities Australia - Mechanical Engineer [↗](#)
Careersonline - Mechanical Engineer [↗](#)
Careersonline - Mechanical Engineering Technologist [↗](#)

SkillsRoad - Industrial, Mechanical and Production Engineers [↗](#)
Study Select - How to become a Mechanical Engineer [↗](#)
Graduate careers - Engineering [↗](#)
Jobted - Mechanical Engineer [↗](#)

Income

Payscale Australia - Mechanical Engineer [↗](#)

Case Studies

Youth Central - Mechanical Engineer [↗](#)

Artofsmart - A Day in the Life of a Mechanical Engineer [↗](#)



Job Market Information

<https://www.yourcareer.gov.au/resources/australian-jobs-report>

Occupations matrix

<https://content.yourcareer.gov.au/sites/default/files/2023-04/Section%205%20-%20Occupational%20matrix.pdf>

Australian Jobs publication

https://content.yourcareer.gov.au/sites/default/files/2023-01/2022_Australian_Jobs_Report.pdf

- Number of people employed across Australia
- Measured % increase/decrease over previous 5 years
- Predicted % increase/decrease over the next 5 years
- Australia's top employing industries
- Australia's top growing industries



University Courses...

...What do I need to know?

- Required ATAR / Selection rank
- Application process (online application + ?)
- Prerequisite subjects?
- Assumed knowledge?
- Any **other** pathways to same area? (ie Plan B)
- If planning university in Vic or Qld, need English at Year 12
- What content is included in each course?



ATAR / Selection Rank

2022 Admissions Data for school leavers

ATAR (raw ATAR, excluding any applicable adjustment factors)	Lowest ATAR to receive an offer	53.1
	Median ATAR to receive an offer	80.15
	Highest ATAR to receive an offer	98.95
Selection Rank (ATAR plus any adjustment factors)	Lowest Selection Rank to receive an offer	65
	Median Selection Rank to receive an offer	86.5
	Highest Selection Rank to receive an offer	99.95
Minimum eligibility score		65
Additional criteria considered		Selection rank only



Subject Bonus Points in SA

(Adjustment factors)

SA Language, Literacy & Mathematics Bonus Scheme

- Maximum of 4 bonus points
- 2 per subject for Specialist Mathematics, Mathematics Methods, English Literary Studies, English, LOTE
- Must get a C- or better
- Does NOT apply for entry Medicine or Veterinary Bioscience

Check each university website and course entry criteria individually



Prerequisite subjects/Assumed Knowledge

Fast facts

Course facts at a glance.

Prerequisites

SACE stage two specialist mathematics or mathematical methods or equivalent.

Assumed knowledge

Knowledge of SACE stage two physics or equivalent is assumed.

2023 selection rank ⓘ

75.00



PREREQUISITES ⓘ

None



ASSUMED KNOWLEDGE ⓘ

SACE Stage 2 Biology

SACE Stage 2 Physics

[More info](#) ↓



ENTRY SCORES ⓘ

2023 GUARANTEED ENTRY

Year 12 (Grades-based): NA

[View Guaranteed Entry Info](#) ➤

2022 CUT-OFFS

Year 12 (ATAR-based):

- Internal: 95.60

Prerequisite – must pass at Yr 12

Assumed – recommended not required



Content of university courses

 Aboriginal and Australian Studies	 Accounting and Finance	 Architecture	 Arts
 Aviation	 Biomedical Science	 Business	 Communication

Course content

Core concepts of health; common measures of health (morbidity, birth/death rates, burden of disease etc.); risk factors, social, cultural and environmental determinants affecting health across state, national, international populations with special reference to marginalised or disadvantaged groups such as Aboriginal Australians; current and new challenges to health and health care systems; health promotion: principles and interventions.

 Information Technology	 Journalism	 Laboratory Medicine	 Languages
 Law	 Management and HRM	 Marketing	 Mathematics
 Medical Radiation Science	 Nursing and Midwifery	 Nutrition and Food Sciences	 Occupational Therapy
 Pharmacy	 Physiotherapy	 Podiatry	 Property
 Psychology	 Science	 Social Work	 Speech Pathology

FIRST YEAR

First Semester (Study Period 1, 2 or 3)

Health and Society

HLTH 1025

Second Semester (Study Period 4, 5 or 6)

Chemistry 101

CHEM 1007

Biology B

BIOL 1012

Quantitative Methods in Health

MATH 1065

Professional Issues in Laboratory Medicine

MEDI 1009



Where do I find university 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 (QTAC) www.qtac.edu.au

(ATAR is slightly different in Queensland)

Tasmania www.utas.edu.au



Vocational Education Training

VET@Scotch (Group on Scotch Life) <https://app.scotch.sa.edu.au/homepage/3152/>

Students who are suited to VET courses:

- . Have a demonstrated commitment to developing particular vocational skills
- . Are aiming to enter a trade or skill-based industry after school
- . Are able to manage the demands of a more flexible timetable in Year 11 or Year 12 without compromising performance in other subjects

Other subject options may provide extra flexibility, extension or learning support that would be more suitable.

LOTS of info on Scotch Life page “VET@Scotch” (costs, RTO’s, etc)



Benefits of a VET course

- Students develop practical skills and understanding in a specific area of vocational interest.
- Demonstrated pursuit of vocational expertise is favoured by future employers.
- Some courses can lead specifically to entry pathways into apprenticeships or traineeships and help build industry contacts.



Challenges of a VET course

- Some VET courses require students to miss school each week.
- The location of courses can cause transport and logistical difficulties compared
- Cocurricular commitments may be impacted by the VET course.
- Some VET courses require the completion of compulsory work experience placements.
- Different Registered Training Organisations (RTOs) can be inconsistent in the level of support and personalised education provided to students.
- Online VET courses require exceptional time-management and motivation to complete within the required time frame, often with minimal support from the RTO. Scotch does not support online VET courses.



VET Application process

1. Download the “VET Expression of Interest” doc from Scotch Life
2. Complete fully (including USI & parental signatures)
3. Return to your VET Coordinator
4. Attend a meeting with a parent/caregiver to discuss
 - Choosing “VET” on subject choice form needs to be followed by this process
 - Applications for a Sem 1 start.



Subject area presentations



Performing Arts – Briony Nickels

Stage I (10 or 20 credits)

- Dance
- Drama
- Music Advanced or Music Experience

Stage 2

- Dance (20 Credits)
- Drama (20 Credits)
- Music Studies or Music Explorations (20 Credits)
- Music Performance: Solo or Ensemble (10 Credits)



English – Michael Rodenburg

SACE Stage 1 subject choices 2024:

- English
- Essential English
- English as an Additional Language

- Both 20 credits

(At Stage 2 we offer English Literary Studies, English, Essential English and EALD. Year 11 students are given detailed information about these subjects towards the end of term 2)

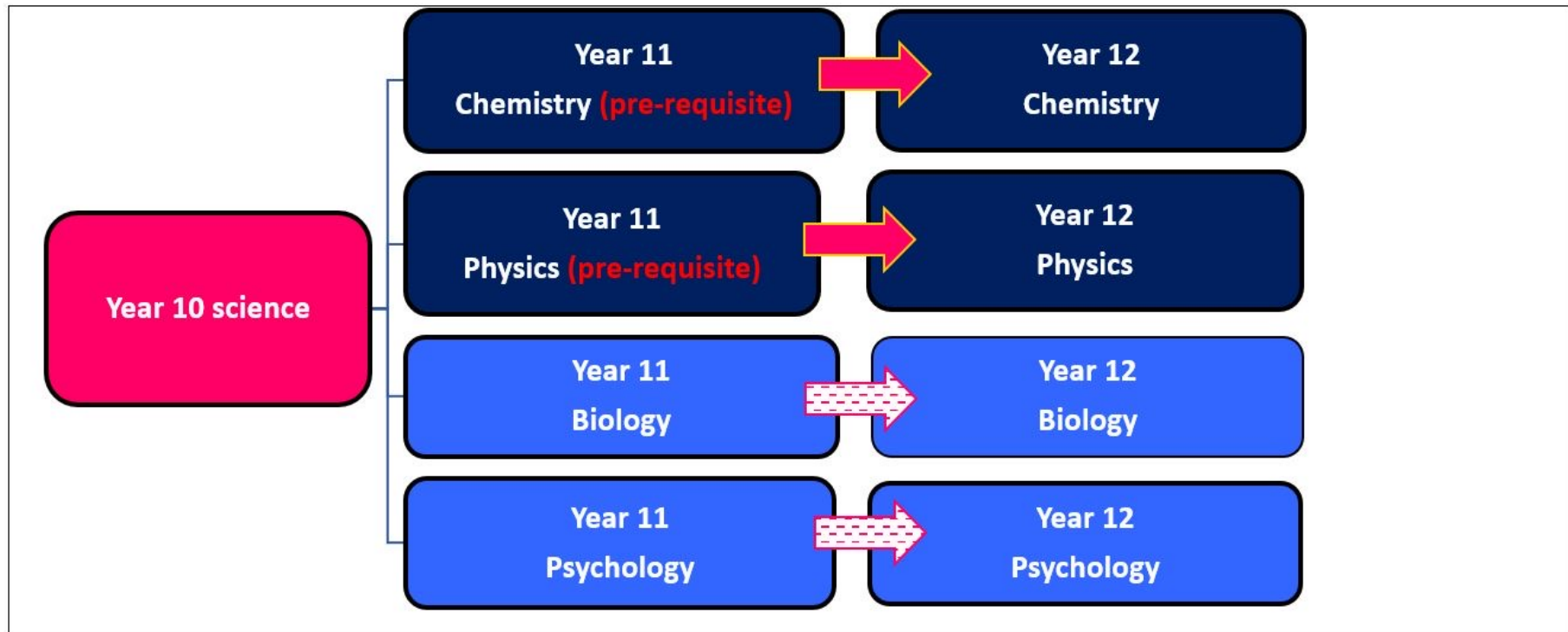



Science


SACE Stage 1 subject choices 2024
Michelle McGrath



Science Pathways



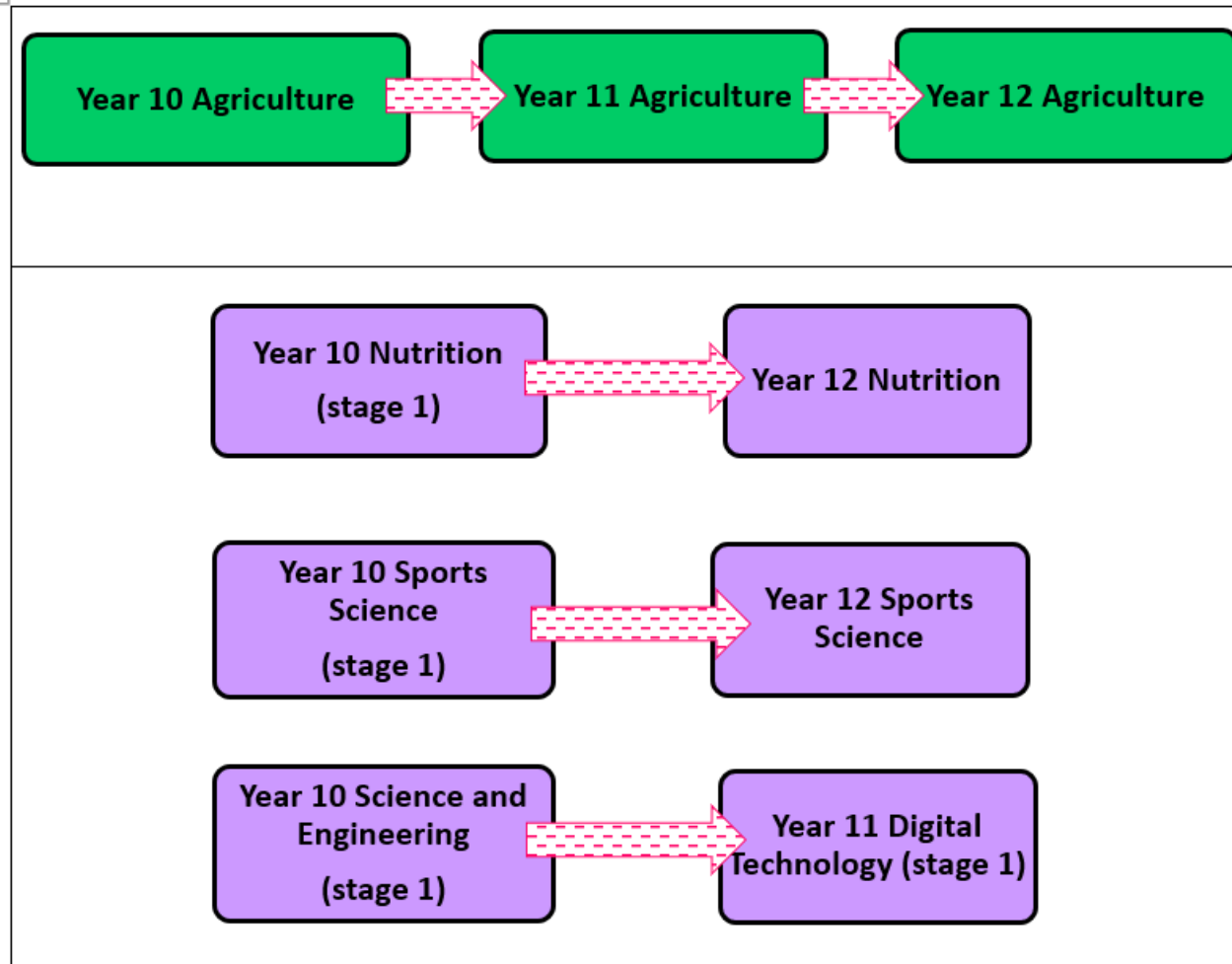
 Dotted arrow = possible pathway. There is no assumed knowledge for this Year 12 subject.

 Solid arrow = Year 11 subject is pre-requisite for this Year 12 subject (Chemistry and Physics)

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 required)



Science Pathways



*Check teacher recommendations

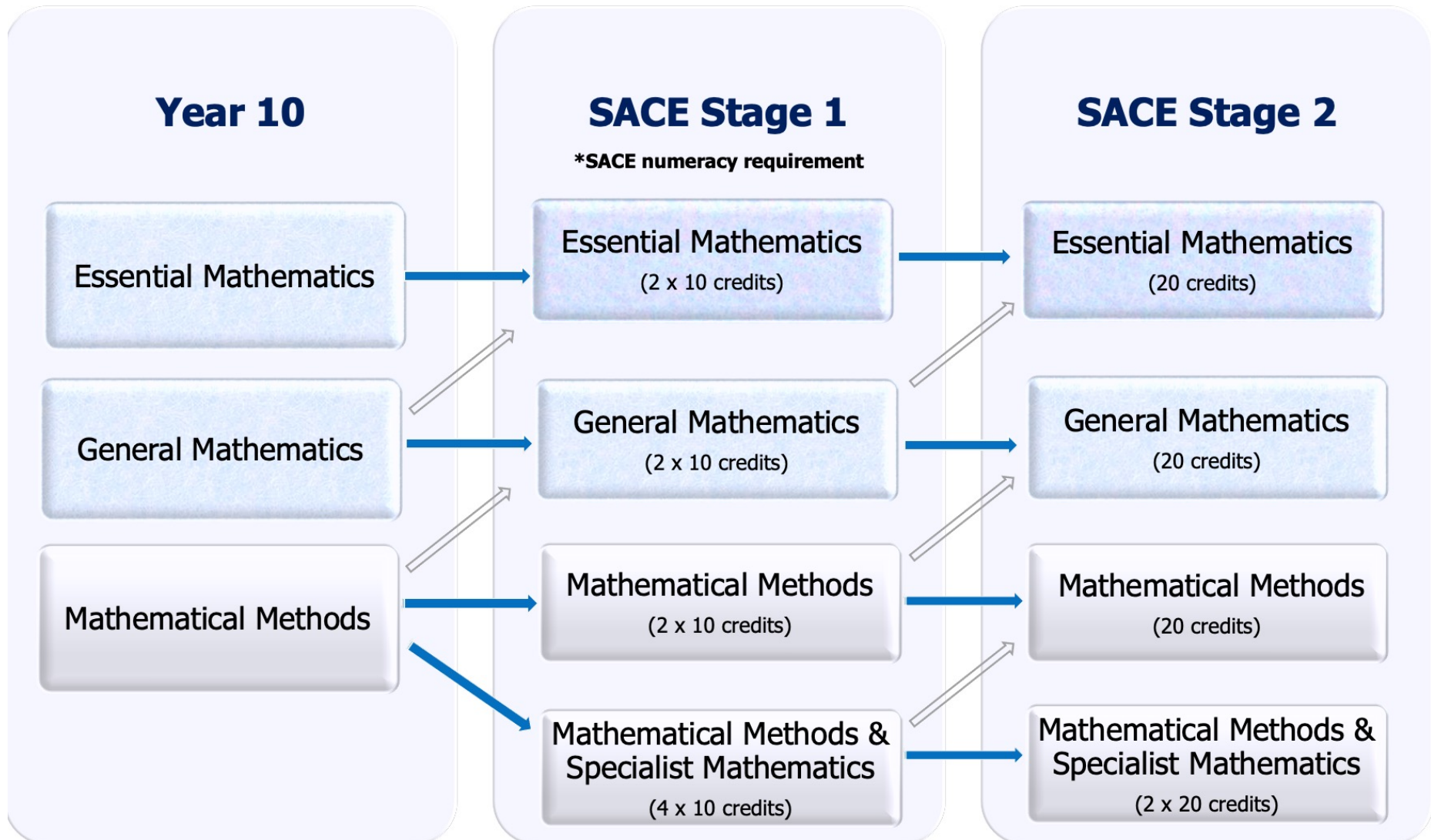


Mathematics

SACE Stage 1 subject choices 2024
Olga Kumar



Mathematics pathways





Humanities – David Albano

- Media Studies
- Society and Culture
- Geography
- Business Innovation
- Economics
- Philosophy
- Modern History





Health & Physical Education – Mark Goreham

- Stage 1 Physical Education (10 or 20 credits)
- Stage 1 Health & Wellbeing (10 credits)
- Stage 1 Outdoor Education studies (10 credits)
- Stage 1 Sport Science (10 credits) {Science/ PE}
- Certificate III in Sport Coaching (60 credits)



Languages – Nhu Trinh

- Stage 1 French (Continuers) 20 Credits
- Stage 1 Chinese (Background) 20 Credits
- Stage 1 Chinese (Continuers) 20 Credits
- Languages – Beginner's courses in Chinese, French, German, Indonesian, Japanese, Korean, Italian, Spanish
<https://schooloflanguages.sa.edu.au/languages/>



Languages

Why continue with your second language?

- Point of difference on your CV
- Desirable trait for employers in an increasingly international market
- Improve your critical thinking, analysis and creativity
- Increase your capacity for empathy and awareness of self and others



Technologies – Amanda Johnson

SACE Subject Name	Year 10 2023	Year 11 2024	Year 12 2025
Visual Art - Art	Elective Yr 10 curriculum	Stage 1 – 10 credits	Stage 2 – 20 credits
Visual Art – Design	Elective Yr 10 curriculum	Stage 1 – 10 credits	Stage 2 – 20 credits
Photography	Elective Yr 10 curriculum	Stage 1 – Visual Art – Design (Photography) – 10 credits	Stage 2 Creative Arts – Photography - 20 credits*
Design, Technology & Engineering – Material Solutions <i>Select wood or metal (or both)</i>	Elective Yr 10 curriculum	Stage 1 – 10 or 20 credits (10 credits wood/10 credits metal)	Stage 2 Wood – 20 credits* or Stage 2 Metal – 20 credits *
Design, Technology & Engineering – Industry & Entrepreneurial Solutions (Textiles)	Elective Yr 10 curriculum – Textiles Technology	Stage 1 – 10 credits	Stage 2 – 20 credits*
Creative Arts – Film Making	Stage 1 – 10 credits	Stage 1 – 10 credits (if not completed in Yr 10) Additional 10 credits from 2023 studies*	Stage 2 – 20 credits
Food & Hospitality	Elective Yr 10 curriculum – Food Technology	Stage 1 – 10 or 20 credits	Stage 2 – 20 credits
Digital Technology	Elective Yr 10 curriculum – Engineering & Technology	Stage 1 – 10 or 20 credits	Stage 2 – 20 credits

* Please discuss further with Mrs Johnson due to SACE subject combination preclusions



Question and Answers

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Dance, Drama and Music performingarts@scotch.sa.edu.au

Careers – bsorensen@scotch.sa.edu.au, ssmith@scotch.sa.edu.au,
jrainey@scotch.sa.edu.au



End of year program

- Integrated Learning (starting in semester 2)
- Exams commence in Week 4
- Goose Island Expedition (5 days)
- Workplace Learning (5 days) - compulsory
- Service Learning (5 days) - compulsory
- Short courses at school
- University visits



Thank you for listening

Term 3

- Online information sent will be sent out during week 1 Term 3
- Subject choices due Thursday 17 August, 2023
- Any questions, then please ask