

**Course Information
Handbook
Year 11 – 2023**



**RIDGE VIEW
SECONDARY COLLEGE**

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Glossary of Abbreviations

Acronym	Full Name	Description
ATAR	Australian Tertiary Admissions Rank	Calculated for all eligible students completing 4 or more ATAR courses
NAPLAN	National Assessment Program – Literacy and Numeracy	National tests in Years 3, 5, 7, 9
OLNA	Online Literacy and Numeracy Assessment	State test for Years 10-12. A pass required to achieve WACE
RTO	Registered Training Organisation	Endorsement of a provider of vocational training.
SCSA	School Curriculum and Standards Authority	Statutory body for endorsement of all state curriculum provision.
TAFE	Technical and Further Education	TAFE is a Registered Training Organisation under the jurisdiction of the Australian Skills Quality Authority
TISC	Tertiary Institutions Service Centre	TISC is an incorporated body. TISC is the centralised application clearing house, to coordinate undergraduate applications for public university places.
VET	Vocational Education and Training	Vocational Education and Training enables students to gain qualifications for all types of employment, and specific skills to help them in the workplace
WACE	Western Australian Certificate of Education	Certificate given to students who have completed Year 11 and 12 successfully.
WASSA	Western Australian Statement of Student Achievement	A statement of results is issued to all students in Year 12.

1. General Information about Senior School and Course Selections

The Course Selection process for Year 11 is an exciting time as students consider their ambitions, the areas of interest to them, plan for the future and make decisions. This Year 11 Course Selection Handbook is a useful reference for students, parents and teachers as it details information that is important in making decisions about Year 11 studies. It has been prepared to assist parents and students currently in Year 10 in making educational decisions for 2023 and beyond. This is always a complex and difficult task that requires careful thought and consideration.

Meeting the requirements for the Western Australian Certificate of Education, or for entrance to a State Training Provider or University, depends largely on student ambitions and abilities. There are many factors to be considered when choosing courses. Even if you haven't decided on a career area, it is important to look at a number of possibilities and check prerequisites so that you don't restrict future options. When choosing a program of study, consider:

1. Abilities

It is important to check the recommended Year 10 grades for different courses to ensure that you select a course that is best suited to you. Your achievement in the NAPLAN (National Testing in Literacy and Numeracy) and/or OLNA (Online Literacy and Numeracy Assessment) can also be a useful guide. Data shows that students who have achieved in Band 8 or above in Reading and Numeracy or have passed their OLNA are more likely to succeed at the University bound ATAR courses.

2. Future Goals

Ensure that courses chosen meet the criteria for future employment or studies. If career goals aren't clear, select a course that offers flexibility, interest and a realistic chance of success.

3. Interests

Choose courses that you are likely to enjoy as you will spend a considerable amount of time studying them in upper school.

4. Financial Commitment

We recommend families take into consideration course costs and their affordability at this stage of the Course Selection Process. In making your selection, please be aware that ALL Year 11 and 12 Courses carry compulsory charges.

Advice and further information about course selections is also available by contacting the Senior School Pathways Coordinator by phone on 9553 0700 or emailing at RidgeView.SC@education.wa.edu.au

Remember the importance of the classroom teachers you know and trust as they can be best persons to ask for advice about their subject area. The Heads of Learning Areas are also available to answer questions to do with their Learning Area.

The types of courses and programs on offer at Ridge View Secondary College are:

- Australian Tertiary Admissions Rank (ATAR) course
- General (Non-ATAR) courses
- Vocational Education and Training (VET) Certificate II qualifications
- Workplace Learning (WPL) - an endorsed program available to students to be completed through a block placement or in school holidays.

Non-school opportunities (these are not available through Ridge View Secondary College):

Students may obtain official approval to participate in an alternative to secondary schooling. All other students must remain at school until the end of the year in which they turn 17. The most common non-school options are:

- A training program through TAFE or a private Registered Training Organisation (RTO)
- An apprenticeship or a traineeship
- Full-time employment

The process to gain approval for these alternatives is external to the school, rigorous and can be lengthy. Advice can be obtained from the Senior School Pathways Coordinator.

2. The Western Australian Certificate of Education (WACE)

The Western Australian Certificate of Education (WACE) is awarded to secondary school students who satisfy its requirements. Students will, generally, complete two years of senior secondary study and if they demonstrate the required levels of achievement, they are awarded the Western Australian Certificate of Education. The requirements for WACE are detailed below:

1

General requirements

You must:

- demonstrate a minimum standard of literacy (reading and writing) and a minimum standard of numeracy
- complete a minimum of 20 units, or equivalents
- complete
 - at least four Year 12 ATAR courses **OR**
 - at least five Year 12 General courses and/or ATAR courses or equivalent **OR**
 - a Certificate II (or higher) VET qualification in combination with ATAR, General or Foundation courses.

2

Literacy and numeracy standard

For the WACE literacy and numeracy standard you may:

- pre-qualify through achieving Band 8 or higher in the reading, writing and numeracy tests of the Year 9 National Assessment Program – Literacy and Numeracy (NAPLAN), or;
- demonstrate the minimum standard of literacy and numeracy by successfully completing the relevant components of the Online Literacy and Numeracy Assessment (OLNA) in Year 10, 11 or 12.

3

Breadth and depth

You must complete a minimum of 20 units, which may include unit equivalents attained through VET and/or endorsed programs. This requirement must include at least:

- a minimum of ten Year 12 units, or the equivalent
- four units from an English course, post-Year 10, including at least one pair of Year 12 units from an English learning area course
- one pair of Year 12 units from each of List A (arts/languages/social sciences) and List B (mathematics/science/technology) subjects.

*

4

Achievement standard

You must achieve at least 14 C grades or higher (or equivalents) in Year 11 and Year 12 units, including at least six C grades (or equivalents) in Year 12 units.

5

Unit equivalents

Unit equivalents can be obtained through VET qualifications and/or endorsed programs. The maximum number of unit equivalents available through VET and endorsed programs is four Year 11 units and four Year 12 units with a maximum of four units with endorsed programs – two in Year 11 and two in Year 12.

In addition to the WACE, the Western Australian Statement of Student Achievement (WASSA) is issued to all Year 12 students at the completion of their secondary schooling. The WASSA provides a formal record of what students leaving in Year 12 have achieved as a result of their school education in Western Australia.

The WASSA lists all courses and programs students have completed in Year 11 and 12 including

- Any ATAR, General and Foundation Courses
- VET qualifications and Units of Competency achieved
- Endorsed programs – including any Workplace Learning hours completed



The 14 C grades are critical to a student achieving WACE. It is most important that students choose courses that they can genuinely succeed in. If students choose subjects that are too hard for them, they can place their WACE status at risk by receiving multiple D grades in Semester One of Year 11.

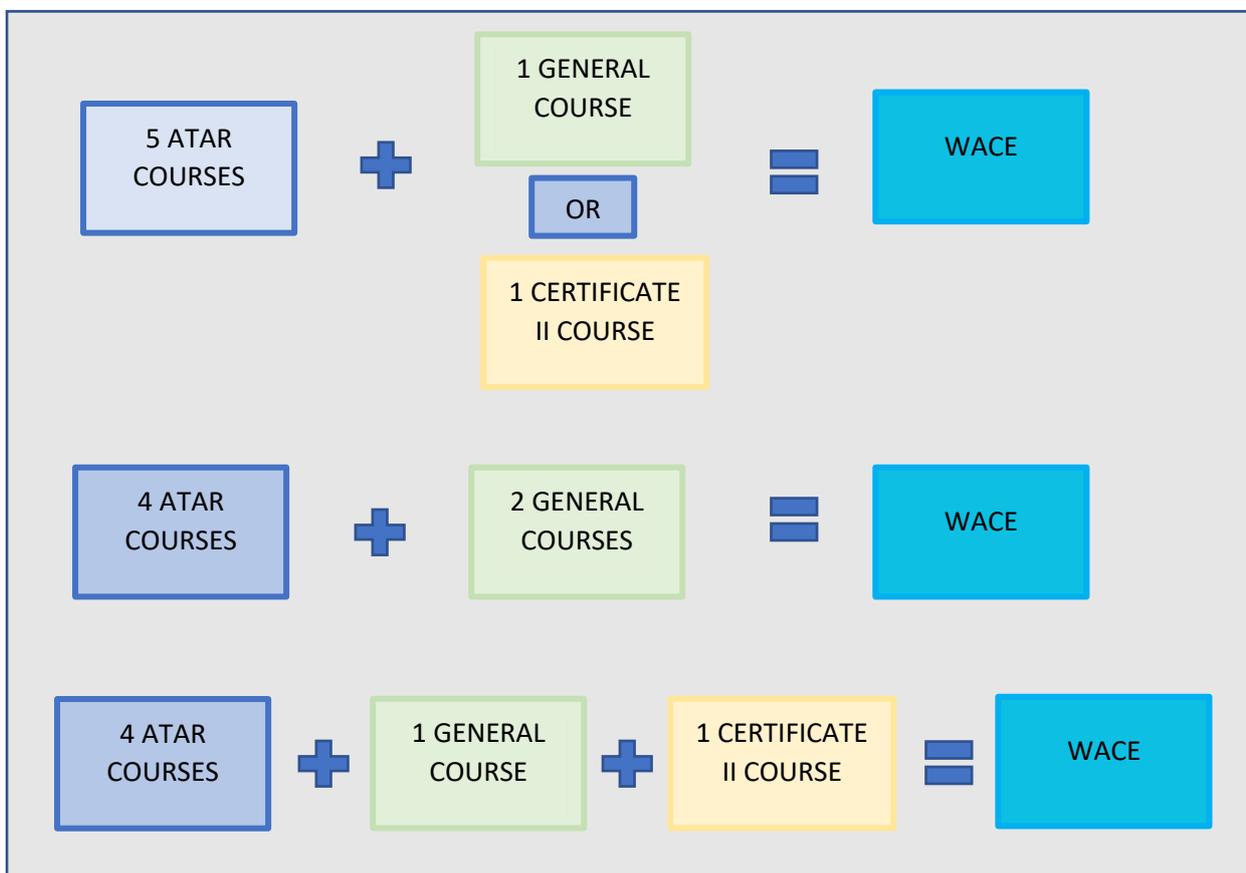
3. ATAR Courses

Would you like to go on to university studies directly after Year 12? Then our Australian Tertiary Admission Rank (ATAR) pathway is for you. This does not mean that you should not choose them if you are seeking entry to TAFE or employment. In fact, some TAFE courses and employers list ATAR school course as recommended courses. There are external WACE written examinations for all ATAR courses and some courses also have a practical examination. Students must complete all examinations in these courses to achieve a WACE and an Australian Tertiary Admission Rank (ATAR) score.

To be eligible for an ATAR score you need to enrol in at least four ATAR courses including ATAR English or English Literature. Ridge View Secondary College strongly recommends that students choose 5 ATAR subjects to safeguard and maximise their chance of success. Your ATAR score determines the courses and universities you will be able to attend. You can find out more about the [ATAR requirements here](#).

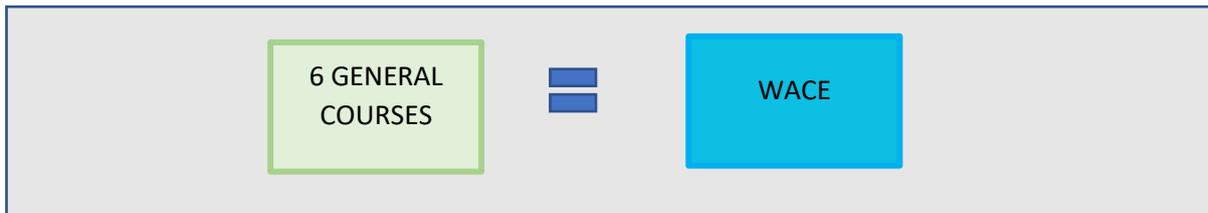
With your ATAR score you could be eligible for courses at any of the four public universities in Western Australia. You can also apply for courses at any university across the country. Each university has different minimum ATAR scores and course prerequisites. All the Western Australian universities require a minimum ATAR score of 70 for entry to the majority of their undergraduate degrees. Check out the [Good Universities Guide](#) to find the course that is right for you. Don't forget, if ATAR is not for you there are other entry pathways to university. Find out about the different pathways for all our WA Universities [here](#).

All ATAR courses are very rigorous and demanding and many students find it difficult to manage the workload involved, students should carefully consider their capacity when selecting ATAR courses.



4. General Courses

These courses are normally chosen by students who wish to seek entry to TAFE, employment, or university via an alternative entry such as a University Bridging Course. These courses do not have an external exam component, however students are required to sit one Externally Set Task (EST) for each course in Year 12 for moderation purposes. English is compulsory in Year 11 and 12 general pathway.



5. Vocational Education and Training (VET)

This area gives students the opportunity to gain skills and knowledge in the workplace while working towards WACE. Students choosing a VET course attain certain competencies and skills recognised by employers. As nationally accredited certificate courses they provide Certificates of Achievement which confirm that the student has achieved specific knowledge and relevant skills toward gaining employment in a particular vocation. English is compulsory in Year 11 and 12 VET pathway.



Students in a VET pathway may also undertake an endorsed program, which is a significant learning program that has been developed for senior secondary students.

All endorsed programs successfully completed and reported to the Authority by the school:

- are listed on the student's Western Australian Statement of Student Achievement
- may contribute towards the breadth-and-depth requirement of the WACE
- may contribute towards the C grade requirement of the WACE.

Workplace Learning is an Authority-developed endorsed program that will be available to Ridge View Secondary College students.

Workplace Learning (ADWPL)

Workplace Learning is an Authority-developed Endorsed Program which provides an opportunity for a student to demonstrate and develop increasing competence in the core skills for work. It is a fantastic opportunity for students to improve their workplace and employability skills whilst providing them with an opportunity to work in a range of industry areas. Workplace Learning contributes towards the WACE.

Workplace at Ridge View Secondary College will generally occur in block placements during Term 2 and Term 4 and/or during school holidays. Workplace Learning is not recommended for ATAR students unless they have a part time job, or a job during school holidays. Time off during school hours is not permitted.

To complete this Endorsed Program, a student works in a real workplace environment to develop a set of transferable workplace skills. The student must record the number of hours completed and the tasks undertaken in the workplace in a Workplace Learning Logbook. The student must also provide evidence of his/her knowledge and understanding of the workplace skills by completing a Workplace Learning Skills Journal after each 55 hours completed in the workplace. Students are encouraged to find their own workplace but if they are unable to, the college **may** be able to assist.

Part Time/Casual Employment Work Hours

Students must have authorisation from the school to use their currently rostered part time or casual employment hours to contribute towards their workplace learning. Students will be required to enrol in ADWPL.

School Based Traineeship or Apprenticeship (SBT/SBA)

Students may be able to take part in SBT's or SBA's which allow them to take part in an apprenticeship or traineeship while completing their WACE. This will be assessed on an individual basis and may come with risks to WACE. Students will be both part time employees and full-time students, therefore they will be paid for their employment and receive valuable training and still be able to complete their secondary graduation. There are a large number of traineeships and apprenticeships available. Students will be required to enrol in ADWPL and will take part in these during school hours only.

The benefit to students is that they:

- Get paid to work
- Gain Nationally recognised qualifications
- Gain valuable skills and experience in the workplace
- Complete their WACE

There are a large number of traineeships and apprenticeships available. You can access the Department of Training and Workforce Development's Apprenticeship Office to find out more information.

Pre-Apprenticeship's are ideal for students who wish to obtain an apprenticeship once they finish Year 11 or 12. Students are provided with an introduction into the trades and take place in organised workplace learning.

Vocational Education and Training Delivered to Secondary Students

Students may be given the opportunity to apply for Certificate courses delivered off site. Students attend TAFE or a private Training Provider one or two days per week and complete a Certificate course that may assist them in entering employment or further study.

Students undertake the training while still completing their WACE. Students will ideally have passed Year 10 with a C grade average or better, have good school attendance and must be work ready.

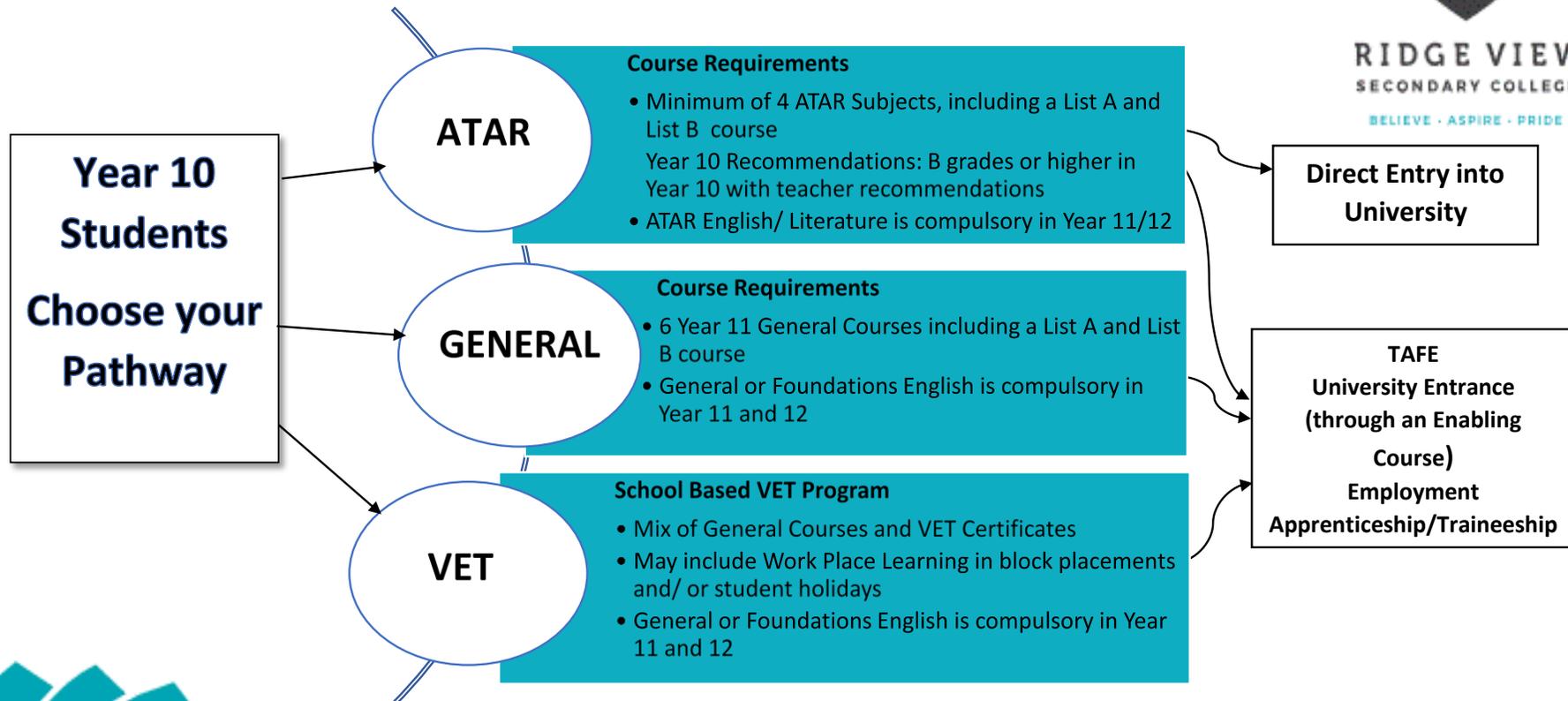
Please be aware that off-site VET courses will have a compulsory non-refundable fee, which will need to be paid prior to the start of the course.

It will be a requirement for all students to catch up on any missed work if they undertake an off-site course. Students wishing to undertake one of these off-site courses will be required to complete a Expression of Interest form and return to the Senior School Pathways Coordinator prior to applying for any off-site course.

2023 SENIOR SCHOOL PATHWAYS



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All Year 10 students must select from one of three pathways to follow in Year 11 in order to meet WACE requirements. Both the ATAR and VET pathways can contain General courses. On an individual basis, students may complete a combination of all pathways. By the end of Year 12, students can achieve either an ATAR score for direct entry in University and/or a mix of General and VET courses to prepare for further education/training or employment.

6. List A and List B Subjects Offered at Ridge View Secondary College

List A	List B
ATAR	
English	Mathematics Specialist
English Literature	Mathematics Methods
Modern History	Mathematics Applications
Geography	Chemistry
Economics	Physics
Health	Biology
	Human Biology
	Physical Education Studies
	Engineering
GENERAL	
English	Mathematics Essential
English Foundations	Mathematics Foundations
Career and Enterprise	Integrated Science
Modern History	Psychology
Ancient History	Physical Education Studies
Geography	Food Science and Technology
Visual Arts	Materials Design and Technology: Metal
Children, Family and the Community	Materials Design and Technology: Wood
Drama	Applied Information Technology
Dance	
Media Production and Analysis	
CERTIFICATES – THESE DO NOT QUALIFY AS LIST A OR LIST B	
Certificate II in Hospitality	
Certificate II in Community Services offered in a Childcare Focus	
Certificate III in Fitness	

** Please note that courses may not run in 2023 if there are insufficient student numbers.

7. English Learning Area

Do I have to study English in Year 11 and 12?

Yes, in order to meet the WACE (Western Australian Certificate of Education) requirements, it is compulsory for you to complete two Year 11 English or Literature units and one pair of Year 12 English or Literature units.

What is Literacy Competence?

Literacy competence is the term used by the School Curriculum and Standards Authority to describe a student's proven ability to demonstrate reading and writing skills that are essential for individuals to participate effectively in our society. At the end of Year 12 a student must achieve literacy competence in order to fulfil WACE (Western Australian Certificate of Education) Recommendation. The literacy standard can be met either through the Online Literacy and Numeracy Assessment (OLNA) or by achieving Band 8 or higher in the associated components of reading and writing in the Year 9 NAPLAN tests.

ATAR English Units 1 & 2

Recommendations

B grade or above in Year 10 English and/or teacher recommendation, plus achievement of Category 3 in OLNA.

What Is It All About?

The English ATAR course focuses on developing students' analytical, creative, and critical thinking and communication skills in all language modes, encouraging students to critically engage with texts from their contemporary world, the past, and from Australian and other cultures. Through close study and wide reading, viewing and listening, students develop the ability to analyse and evaluate the purpose, stylistic qualities and conventions of texts and to enjoy creating imaginative, interpretive, persuasive and analytical responses in a range of written, oral, multimodal and digital forms.

Why Should I Choose This Course?

Successful completion of this course in Year 11 will enable you to enrol in ATAR English the following year, which is a recommended course for those hoping to study at university. You will undertake a compulsory examination at the end of Year 12 which will allow you to generate an ATAR (Australian Tertiary Admission Rank).

Universities have approved the removal of the unacceptable combination rule for English ATAR and Literature ATAR, effective for the 2020 ATAR calculation onwards. This means that, if a student takes English ATAR and Literature ATAR, scaled scores from both courses can count towards their Tertiary Entrance Aggregate and ATAR.

CAREER POSSIBILITIES	FURTHER STUDY	
Prepares students for careers in a wide range of industries such as the arts, business and commerce, education, health, humanities, IT, law, science and engineering.	TAFE Allows students to demonstrate communication skills for TAFE entrance purposes.	UNIVERSITIES Allows students to demonstrate literacy competence for university admission purposes.

ATAR Literature Units 1 & 2

Recommendation

B grade in Year 10 English and/or teacher recommendation, plus achievement of Category 3 in OLNA.

What Is It All About?

In the Literature ATAR course, students learn to create readings of literary texts and to create their own texts, including essays, poems, short stories, plays and multimodal texts. Students engage with literary theory and study literary texts in great detail. Students learn to read texts in terms of their cultural, social and historical contexts; their values and attitudes; and their generic conventions and literary techniques. They enter the discourse about readings, reading practices and the possibility of multiple readings. Students learn to create texts paying attention to contexts, values and conventions. Students learn about literary language, narrative, image and the power of representation. Students experience the aesthetic and intellectual pleasure that reading and creating literary texts can bring.

Why Should I Choose This Course?

ATAR Literature is designed for students who have a passion for English. You will study classic writers such as F. Scott Fitzgerald and Shakespeare, as well as Australian authors like Tim Winton. Literature students get the opportunity to take their skills into the real world by attending theatre excursions and university lectures.

ATAR Literature is particularly valuable if you are interested in a career that requires strong reading, writing and public speaking skills. Successful completion of this course in Year 11 will enable you to enrol in ATAR Literature the following year, which is a recommended course for those students hoping to study at university. You will undertake a compulsory examination at the end of Year 12 which will allow you to generate an ATAR (Australian Tertiary Admission Rank).

Universities have approved the removal of the unacceptable combination rule for English ATAR and Literature ATAR, effective for the 2020 ATAR calculation onwards. This means that, if a student takes English ATAR and Literature ATAR, scaled scores from both courses can count towards their Tertiary Entrance Aggregate and ATAR.

CAREER POSSIBILITIES	FURTHER STUDY	
Education Book editing and publishing The arts (museums, galleries, films, television, theatre) Advertising/public relations Law Journalism (magazines, newspapers, television) Business Government	TAFE Allows students to demonstrate communication skills for TAFE entrance purposes.	UNIVERSITIES Allows students to demonstrate competence for university admission purposes.

General English Units 1 & 2

Recommendation

None but achievement of the minimum standard in the literacy component of the Online Literacy and Numeracy Assessment (OLNA) is desirable.

What Is It All About?

The English General course focuses on consolidating and refining the skills and knowledge needed by students to become competent, confident and engaged users of English in everyday, community, social, further education, training and workplace contexts.

The course is designed to provide students with the skills to succeed in a wide range of post-secondary pathways by developing their language, literacy and literary skills. Students comprehend, analyse, interpret, evaluate and create analytical, imaginative, interpretive and persuasive texts in a range of written, oral, multimodal and digital forms.

Why Should I Choose This Course?

Successful completion of this course in Year 11 will enable you to enrol in General English the following year, which is a suitable course for students seeking to demonstrate communication skills for State Training Provider admission purposes.

CAREER POSSIBILITIES	FURTHER STUDY	
Arts, sport & recreation Business, finance & property Education Fashion & textiles Health & community services Information technology Science Tourism Youth work	TAFE Allows students to demonstrate communication skills for TAFE entrance purposes.	UNIVERSITIES Allows students to demonstrate literacy competence for university bridging courses admission purposes.

General English: Foundation Units 1 & 2

Requirements

Not having demonstrated the minimum standard in the literacy component of the Online Literacy and Numeracy Assessment (OLNA).

Students who demonstrate the minimum standard in the Online Literacy and Numeracy Assessment (OLNA) in Semester 1 of Year 11 are not eligible to continue in the List A Foundation courses in Semester 2 of that year.

What is it All About?

In Foundation English, students will develop skills in: functional literacy, including appropriate spelling, punctuation and grammar; reading (understanding, comprehending, interpreting, analysing) texts for work, learning, community and/or everyday personal contexts; producing (constructing, creating, writing) texts for work, learning, community and/or everyday personal contexts; and speaking and listening for work, learning, community and everyday personal contexts.

Why Should I Choose this Course?

Successful completion of this course in Year 11 will enable you to enrol in Foundation English or perhaps General English in Year 12, once Category 3 in OLNA is achieved. This is a suitable course for students seeking to demonstrate communication skills for TAFE entrance purposes, or for those who wish to enter the workforce or undertake an apprenticeship or traineeship.

CAREER POSSIBILITIES	FURTHER STUDY	
Prepares students for careers in a wide range of industries such as: Animal care Arts, sport & recreation Automotive Beauty Building & construction Business, finance & property Children's services [Conservation & land management Electrical Fashion & textiles Food and hospitality Hairdressing Health & community services Horticulture Information technology Manufacturing Metals Retail Tourism Transport Youth work	Allows students to demonstrate communication skills for TAFE entrance purposes.	UNIVERSITIES Not applicable.

8. Mathematics Learning Area

Do I have to study Maths in Year 11 and 12?

Mathematics is not compulsory at Year 11 and 12, however, Ridge View Secondary College strongly recommends that all students study a Maths course. Any student not achieving OLNAs in Year 10 must study a Maths course.

1. Tertiary Entrance Aggregate Bonus

10% of the scaled score/s in Mathematics Methods ATAR and Mathematics Specialist ATAR will be added to the Tertiary Entrance Aggregate from which the ATAR will be derived.

2. Unacceptable Combination Rules

Currently, students may count no more than two mathematics scaled scores in the calculation of the ATAR.

Specific unacceptable combination rules will apply:

- Mathematics Applications ATAR and Mathematics Methods ATAR
- Mathematics Applications ATAR and Mathematics Specialist ATAR

Only one scaled score from the unacceptable combination can be used in the calculation of the ATAR. Scores from Mathematics Methods ATAR and Mathematics Specialist ATAR may **BOTH** be used in the ATAR calculation.

Mathematics Foundation Units 1 & 2

Recommendation

Not having demonstrated the minimum standard in the literacy component of the Online Literacy and Numeracy Assessment (OLNA).

Students who demonstrate the minimum standard in the Online Literacy and Numeracy Assessment (OLNA) in Semester 1 of Year 11 are not eligible to continue in the List A Foundation courses in Semester 2 of that year.

What Is It All About?

Mathematics Foundation is designed for students who have not demonstrated the Western Australian Certificate of Education (WACE) standard of numeracy skills. These standards are based on Level 3 of the Australian Core Skills Framework (ACSF) which outlines the skills required for individuals to meet the demands of everyday life and work in a knowledge-based economy.

Foundation courses provide support for the development of functional numeracy skills essential for students to meet the WACE standard of numeracy through engagement with the ACSF Level 3 numeracy core skills.

Why Should I Choose This Course?

The Mathematics Foundation course recognises some students have significant gaps in basic mathematical understanding and application by the time they enter senior school. However, these same students have the potential to learn, especially when involved in a learning program which connects with their current experience and knowledge. The course focuses on functional numeracy embedded in familiar and meaningful contexts which are relevant to young adults, providing the opportunity for students to prepare for post-school options of employment and further training.

CAREER POSSIBILITIES	FURTHER STUDY	
This course provides the opportunity for students to prepare for post-school options of employment and further training.	TAFE Many TAFE courses require basic numeracy skills	UNIVERSITIES Not applicable

Mathematics Essential General Units 1 & 2

Recommendation

- Year 10 Mathematics, achievement of the minimum standard in the literacy component of the Online Literacy and Numeracy Assessment (OLNA) is desirable
- May be combined with another Maths course.

What Is It All About?

Mathematics Essential is a General course which focuses on using mathematics effectively, efficiently and critically to make informed decisions. It provides students with the mathematical knowledge, skills and understanding to solve problems in real contexts for a range of workplace, personal, further learning and community settings. This course provides the opportunity for students to prepare for post-school options of employment and further training.

Why Should I Choose This Course?

Most employers prefer job applicants to have a strong mathematics background. This course is likely to be most useful for people looking to improve their maths skills to a level suitable for the work force.

CAREER POSSIBILITIES	FURTHER STUDY	
Most trades and business positions.	TAFE Refer to TAFE handbook. Most courses require a minimum standard of Mathematics. This course satisfies the majority.	UNIVERSITIES Not applicable

Mathematics Applications ATAR Units 1 & 2

Recommendations

- B grade or better in Year 10 Mathematics and/or teacher recommendation, plus achievement of Category 3 in OLNA.
- May not be combined with Mathematics Methods or Specialist.

What Is It All About?

Mathematics Applications is an ATAR course which focuses on the use of mathematics to solve problems in contexts that involve financial modelling, geometric and trigonometric analysis, graphical and network analysis, and growth and decay in sequences. It also provides opportunities for students to develop systematic strategies based on the statistical investigation process for answering statistical questions that involve analysing univariate and bivariate data, including time series data.

Why Should I Choose This Course?

This course is designed for students who want to extend their mathematical skills beyond Year 10 level but whose future studies or employment pathways do not require knowledge of calculus. It is designed for students who have a wide range of educational and employment aspirations, including continuing their studies at university or TAFE.

CAREER POSSIBILITIES	FURTHER STUDY	
Arts Commerce Law Teaching (Primary or Arts) Environmental Science Electrician Agriculture	TAFE Refer to TAFE handbook.	UNIVERSITIES When followed by Year 12 Mathematics Applications, this is acceptable for many university courses.

Mathematics Methods ATAR Units 1 & 2

Recommendation

- A or B grade in Year 10 Mathematics and/or teacher recommendation, plus achievement of Category 3 in OLNA.
- May not be combined with Mathematics Applications.

What Is It All About?

Mathematics Methods is an ATAR course which focuses on the use of calculus and statistical analysis. The study of calculus provides a basis for understanding rates of change in the physical world, and includes the use of functions, their derivatives and integrals, in modelling physical processes. The study of statistics develops students' ability to describe and analyse phenomena that involve uncertainty and variation.

Why Should I Choose This Course?

This course is designed for students whose future pathways may involve mathematics and statistics and their applications in a range of disciplines at the tertiary level.

Tertiary Entrance Aggregate Bonus

10% of the scaled score/s in Mathematics Methods ATAR and Mathematics Specialist ATAR will be added to the Tertiary Entrance Aggregate from which the ATAR will be derived.

CAREER POSSIBILITIES	FURTHER STUDY	
Biology Physiotherapy Commerce Pharmacy Economics Health Science Computer Technology Human Movement Actuarial Science	TAFE	UNIVERSITIES Desirable for most university courses.

Mathematics Specialist ATAR Units 1 & 2

Recommendation

- A or B grade in Year 10 Mathematics and/or teacher recommendation, plus achievement of Category 3 in OLNA.
- Must be studied with Mathematics Methods, but not Mathematics Applications.

What Is It All About?

Mathematics Specialist is an ATAR course which provides opportunities, beyond those presented in the Mathematics Methods ATAR course, to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. The Mathematics Specialist ATAR course contains topics in functions and calculus that build on and deepen the ideas presented in the Mathematics Methods ATAR course as well as demonstrate their application in many areas. The Mathematics Specialist ATAR course also extends understanding and knowledge of statistics and introduces the topics of vectors, complex numbers and matrices. ***The Mathematics Specialist ATAR course is the only ATAR mathematics course that cannot be taken as a stand-alone course.***

Why Should I Choose This Course?

This course is designed for students with a strong interest in mathematics, including those intending to study mathematics, statistics, all sciences and associated fields, economics or engineering at university.

Tertiary Entrance Aggregate Bonus

10% of the scaled score/s in Mathematics Methods ATAR and Mathematics Specialist ATAR will be added to the Tertiary Entrance Aggregate from which the ATAR will be derived.

CAREER POSSIBILITIES	FURTHER STUDY	
Chemistry Engineering Mathematics Physics Computer Science Actuarial Science	TAFE	UNIVERSITIES Desirable for most university courses. Highly recommended or compulsory for some engineering courses.

9. Science Learning Area

Chemistry ATAR Units 1 & 2

Recommendation

- A or B in Year 9 Chemistry, A or B in Year 9 Mathematics, and A or B in Year 9 English and/or with recommendation from the Science Head of Learning Area

What Is It All About?

The ATAR Chemistry course involves the study of materials and substances and the transformations they undergo through interactions and the transfer of energy. Chemistry develops students' understanding of the key chemical concepts and models of structure, bonding, and chemical change, including the role of chemical, electrical and thermal energy. Students learn how models of structure and bonding enable chemists to predict properties and reactions and to adapt these for particular purposes.

Why Should I Choose This Course?

Studying Chemistry provides students with a suite of skills and understandings that are valuable to a wide range of further study pathways and careers, including those in forensic science, environmental science, engineering, medicine, dentistry, pharmacy, geology, metallurgy, analytical and organic chemistry, medical technology and sports science. Additionally, chemistry knowledge is valuable in occupations that rely on an understanding of materials and their interactions, such as art, winemaking, agriculture and food technology.

CAREER POSSIBILITIES	FURTHER STUDY	
Medicine Geologist Chemist Biochemist Laboratory technician Pharmacist Metallurgist Chemical engineer Hydrographer	TAFE Applied Sciences Laboratory Practices - Natural Sciences - Pharmacy Laboratory Techniques - Biological Sciences - Chemistry Engineering	UNIVERSITIES Bachelor of Science - Geology - Mineral Science - Chemistry - Biological Sciences Bachelor of Engineering Bachelor of Pharmacy

Physics ATAR Units 1 & 2

Recommendation

- A or B in Year 9 Physics, A or B in Year 9 Mathematics, and A or B in Year 9 English and/or with recommendation from the Science Head of Learning Area

What Is It All About?

Physics is a fundamental science that endeavours to explain all the natural phenomena that occur in the universe. In the ATAR Physics course students will learn how energy and energy transformations can shape the environment from the small scale, in quantum leaps inside an atom's electron cloud, through the human scale, in vehicles and the human body, to the large scale, in interactions between galaxies. Students have opportunities to develop their investigative skills and use analytical thinking to explain and predict physical phenomena. Students plan and conduct investigations to answer a range of questions, collect and interpret data and observations, and communicate their findings in an appropriate format. Problem-solving and using evidence to make and justify conclusions are transferable skills that are developed in this course.

Why Should I Choose This Course?

Studying physics will enable students to become citizens who are better informed about the world around them and who have the critical skills to evaluate and make evidence-based decisions about current scientific issues. This course will also provide a foundation in physics knowledge, understanding and skills for those students who wish to pursue tertiary study in science, engineering, medicine and technology.

CAREER POSSIBILITIES	FURTHER STUDY	
Medicine Engineering - electronic - chemical - agricultural - flight Pharmacist Physicist Teacher	TAFE Electrical trades Engineering Aircraft maintenance Automotive mechanic	UNIVERSITIES Bachelor of Engineering - Electrical - Mining Engineering Bachelor of Pharmacy Bachelor of Science Bachelor of Education Physical Sciences

Biology ATAR Units 1 & 2

Recommendation

- B grade or above in Year 10 Biology, A or B in Year 9 Mathematics, and A or B in Year 9 English and/or recommendation from the Science Head of Learning Area.

What Is It All About?

The ATAR Biology course explores ways in which scientists work collaboratively and individually in a range of integrated fields to increase understanding of an ever-expanding body of biological knowledge. Students develop their investigative, analytical and communication skills through field, laboratory and research investigations of living systems and through critical evaluation of the development, ethics, applications and influences of contemporary biological knowledge in a range of contexts.

Why Should I Choose This Course?

Studying the Biology ATAR course provides students with a suite of skills and understandings that are valuable to a wide range of further study pathways and careers including those in medical, veterinary, food and marine sciences, agriculture, biotechnology, environmental rehabilitation, biosecurity, quarantine, conservation and eco-tourism. This course will also provide a foundation for students to critically consider and to make informed decisions about contemporary biological issues in their everyday lives

CAREER POSSIBILITIES	FURTHER STUDY	
Veterinarian Marine Biologist Environmental scientist Zoologist Environmental Engineer Conservation Officer Veterinary Nurse	TAFE Marine Studies Outdoor Recreation (Marine Tourism) Applied Environmental Arts Environmental Science (Management) Indigenous Environmental Health Laboratory Operations Laboratory Techniques	UNIVERSITIES Bachelor of Science Botany Animal Biology Evolutionary Biology Conservation and Wildlife Biology Environmental Restoration Nature Based Tourism Veterinary Science

Human Biology ATAR Units 1 & 2

Recommendation

- B grade or above in Year 10 Biology, A or B in Year 9 Mathematics, and A or B in Year 9 English and/or recommendation from the Science Head of Learning Area.

What Is It All About?

The ATAR Human Biology courses cover a wide range of ideas relating to the functioning human. Students learn about themselves, relating structure to function and how integrated regulation allows individuals to survive in a changing environment. They research new discoveries that are increasing our understanding of the causes of dysfunction, which can lead to new treatments and preventative measures. Reproduction is studied to understand the sources of variation that make each of us unique individuals. Population genetics is studied to highlight the longer term changes leading to natural selection and evolution of our species.

Why Should I Choose This Course?

An understanding of human biology is valuable for a variety of career paths. The course content deals directly and indirectly with many different occupations in fields such as science education, medical and paramedical fields, food and hospitality, childcare, sport and social work.

CAREER POSSIBILITIES	FURTHER STUDY	
Radiographer Occupational therapist Sports scientist Chemist Doctor Health worker Enrolled nurse Medical lab technician Teacher	TAFE Laboratory Practices Pharmacy Natural Sciences Applied Science	UNIVERSITIES Bachelor of Science Bachelor of Applied Science Sports Medicine Bachelor of Education Medical Science

Integrated Science General Units 1 & 2

Recommendation

None specified but successful completed of Year 10 Science is desirable

What Is It All About?

The focus for learning is the practice of science, general knowledge of factual content in biological, physical and environmental/earth science and an understanding of the impact of science on the world in which students live.

Science is a dynamic, collaborative human activity that uses distinctive ways of valuing, thinking and working to understand natural phenomena. The Integrated Science General course is a course grounded in the belief that science is a practical activity. It is based on people's aspirations and motivations to follow their curiosity and wonder about the physical, biological and technological world. From this stems the view that understandings in science come from a need to find solutions to real problems.

This course seeks to reflect this creative element of science as inquiry. It involves students in research that develops a variety of skills, including the use of appropriate technology.

Why Should I Choose This Course?

This course has a strong focus on the practical aspects of Science with applications to our everyday lives. It will appeal to students who enjoy Science experiments more than the theory, or those with a particular interest in health and environmental sciences or the basic physics of motor vehicles and safety features.

CAREER POSSIBILITIES	FURTHER STUDY	
Police Officer Forensic Data Analyst Childcare worker Laboratory Technician Defence Forces Veterinary Nurse Nurse Horticulturalist Environmental Health Officer	TAFE Marine Studies Applied Environmental Arts Environmental Science (Management) Laboratory Operations Laboratory Techniques - Biological	UNIVERSITIES Bachelor of Science

10. Humanities and Social Sciences Learning Area

Modern History ATAR Units 1 & 2

Recommendation

Successful completion of Year 10 Humanities units with a minimum B grade and/or teacher recommendation

What Is It All About?

This unit fosters students' active learning skills of research, hypothesis testing and analysis of information and problems of historical evidence as they complete inquiries and investigations. Students learn essential historical concepts of people, events ideas, beliefs, motives, forces, perspective, discrimination, cause and effect and empathy.

Why Should I Choose This Course?

This course makes a literary contribution towards further study. Studying History will provide you with an opportunity to gain valuable research and analysis skills in order to be better prepared for University. Understanding History enables students to gain a broader understanding of the world around them which will assist them in many different career pathways. History knowledge also makes you a more interesting person that others wish to talk to. This course makes a contribution towards the successful completion of the Western Australian Certificate of Education (WACE).

CAREER POSSIBILITIES	FURTHER STUDY	
Wide range of organisations. Museum/Library Local Government Archives Journalism Teaching Legal Historian	TAFE Arts Media	UNIVERSITIES Arts Humanities Social Science Law Journalism Education Politics

Economics ATAR Units 1 & 2

Recommendation

Successful completion of Year 10 Humanities units with a minimum B grade and/or teacher recommendation.

What Is It All About?

Economics investigates the choices people, groups and societies face as they confront the ongoing problem of satisfying their unlimited wants with limited resources. Economics aims to analyse and understand the allocation, utilisation and distribution of scarce resources that determine our wealth and well-being. Economics develops the knowledge, reasoning and interpretation skills which will assist students to form an understanding of personal, business and government behaviour at all levels of the economy.

Why Should I Choose This Course?

This course enables students to develop a variety of skills relating to economic behaviour and reasoning, including the ability to analyse, communicate and evaluate economic information. These skills are highly valued by colleges, universities and employers.

CAREER POSSIBILITIES	FURTHER STUDY	
Real Estate Agent Economist Finance Broker Accountant Business	TAFE Business	UNIVERSITIES Bachelor of Commerce - Economics

Geography ATAR Units 1 & 2

Recommendation

Successful completion of Year 10 Humanities units with a minimum B grade and/or teacher recommendation.

What Is It All About?

The study of the Geography ATAR course draws on students' curiosity about the diversity of the world's places and their people, culture and environment. It provides students with the knowledge and understandings of the nature, causes and consequences of natural and ecological hazards, international integration in a range of spatial contexts, land cover transformations, and the challenges affecting the sustainability of places. In this course, students learn how to collect information from primary and secondary sources, such as field observation and data collection, mapping, monitoring, remote sensing, case studies and reports..

Why Should I Choose This Course?

Geography offers exciting opportunities for fieldwork excursions to gain practical, hands-on knowledge of our surrounding environment.

Employers value the wide-ranging computer, research, and analytical skills that geography students bring to work as employees. Geography provides training in geospatial technologies (geographic information systems, computer mapping, remote sensing, etc.) This high-growth industry, that generates tens of billions of dollars in annual revenues for companies around the world, will ensure that geography students are always employable.

A great compliment to the STEM subjects, Geography combines a scientific approach to the way people interact with their environment.

CAREER POSSIBILITIES	FURTHER STUDY	
Surveying Engineering Advertising Teacher Conservationist Architect Lawyer Defence Forces Town Planner	TAFE Electrical – Renewable Energy Tourism Community Development Building and Engineering Landscape Design Marine Studies	UNIVERSITIES Mining Engineering Architecture / Urban Planning Tourism Education Environmental Science Journalism

Ancient History General Units 1 & 2

Recommendation

- None, however, an interest in researching History is a must.

What Is It All About?

The Ancient History course will look at a number of ancient civilisations and the powerful people behind these civilisations by looking at the impact they had on society then and now. Looking at the people, places and monuments that have become significant over time will allow students to develop skills that will enable them to look at history and the event makers in new ways.

Why Should I Choose This Course?

History is a course that all students should study. It impacts our daily life and it allows us to understand human evolution of ideas and concepts. There is no exam with this course and it encourages students to develop an interest in a civilisation or a significant person that they find interesting. The course is ideal for a student who is looking towards future employment or study due to the research and writing skills that will be acquired during the course.

CAREER POSSIBILITIES	FURTHER STUDY	
Wide range of organisations. Museum Library Local Government Archives Journalism Teaching	TAFE Arts Journalism/Media	UNIVERSITIES Arts Humanities Social Science Law Journalism Education Politics

Modern History General Units 1 & 2

Recommendations

- None, however, an interest in researching History is a must.

What is it all about?

Studying the Modern History General course exposes students to a variety of historical sources, including government papers, extracts from newspapers, letters, diaries, photographs, cartoons, paintings, graphs and secondary sources, in order to understand the historical narrative including cause and effect, and the forces influencing people and events. Through the process of historical inquiry, students are encouraged to question historical sources; identify various representations and versions of history; use evidence to formulate and support their own interpretations; and communicate their findings in a variety of ways.

Why should I choose this course?

The Modern History General course allows students to gain insights into their own society and its values. It helps them to understand why nations and people hold certain values, and why values and belief systems vary from one group to another. This knowledge is crucial to the development of active and informed citizens in any society. The study of history ensures that they gain essential knowledge of the past – its legacy and heritage.

CAREER POSSIBILITIES	FURTHER STUDY	
Wide range of organisations. Museum Library Local Government Archives Journalism Teaching	TAFE Arts Journalism/Media	UNIVERSITIES Arts Humanities Social Science Law Journalism Education Politics

Geography General Units 1 & 2

Recommendations

- There are no recommendations for this course.

What Is It All About?

The focus for these units is the geography of environments at risk, and the geography of people and places. For instance, students may identify the risks posed to the Ningaloo Reef or study the natural and cultural characteristics of a destination such as Bali.

Why Should I Choose This Course?

This course does not have an exam component and includes exciting opportunities for fieldwork excursions to gain practical, hands-on experience. The course is practical and lends itself well to future employment. Universities/TAFE recommend geography for any student who wants to pursue a career in building and architecture. This course also provides insight into the tourism industry, for those students interested in that area.

CAREER POSSIBILITIES	FURTHER STUDY	
Surveying Engineering Teacher Conservationist Architect Lawyer Defence Forces Tour Guide	TAFE Electrical – Renewable Energy Tourism Community Development Building and Engineering Landscape Design Marine Studies Tourism	UNIVERSITIES Mining Engineering Architecture/ Urban Planning Tourism Education Environmental Science Journalism

Career and Enterprise General Units 1 & 2

Recommendation

There are no prerequisites required for this course.

What Is It All About?

The focus of this course is exploring work and networks. Students develop an understanding of aspects of work, such as part-time, full-time, flexi hours, volunteer work and unemployment. They learn that positive self-esteem and self-management are required to access work opportunities and acquire skills to build careers. Students learn the basic organization and roles associated with different workplace structures, and develop awareness that employment is connected with responsibility for themselves and others. Students understand that transitions can be facilitated by resources made available through the family, school, workplace and community, and that these groups assist young people to learn what is expected of them as workers.

It enables students to increase their knowledge of work and career choices and to identify a network of people and organisations that can help with their school-to-work transition

Why Should I Choose This Course?

Career and Enterprise aims to provide students with the knowledge, workplace skills and attitudes valued within work environments as a preparation for employment. This course enables students to make industry contacts, create resumes, create electronic portfolios, learn valuable workplace skills and clarify career choices and options.

CAREER POSSIBILITIES	FURTHER STUDY	
Business Commerce Local Government Public Administration Human Resource Management Government Teacher	TAFE Commerce Media Public Administration Human Resources	UNIVERSITIES Bachelor of Commerce – Economics Teaching Political studies Business

Psychology General Units 1 & 2

Recommendation

There are no prerequisites required for this course.

What Is It All About?

Psychology is the study of how people think, feel and act. Its main aim is to understand humans and is rigorous in its use of scientific method which allows for exploration into the complexities of human behaviour. Psychological knowledge helps us understand individuals alone, how individuals function within groups and how they are affected by different contexts. Psychology can be applied to any context in which humans are involved and allows students to gain valuable insights into both themselves and the world.

Why Should I Choose This Course?

Methods of communication studied in this course will enhance personal communication skills, both within the field of psychology and in the context of daily life. Students also develop important research skills as they engage in the exploration and evaluation of data. This leads to enhanced critical and creative thinking, innovation and collaboration.

CAREER POSSIBILITIES	FURTHER STUDY	
Psychologist Health Professions Teaching Human Resources Social Work Sales Media Marketing Management Counselling	TAFE Diploma in Counselling Social Work Enrolled Nursing Youth Work Education Assistant	UNIVERSITIES Bachelor of Psychology Education Marketing Management Health Science Community Health

11. Arts Learning Area

Visual Arts General Units 1 & 2

Recommendations

- Successful completion of a Year 10 Visual Art course is desirable.

What Is It All About?

In the Visual Arts General course, students engage in traditional, modern and contemporary media and techniques within the broad areas of art forms. The course promotes innovative practice. Students are encouraged to explore and represent their ideas and gain an awareness of the role that artists and designers play in reflecting, challenging and shaping societal values. Students are encouraged to appreciate the work of other artists and engage in their own art practice through portraiture and landscape.

Why Should I Choose This Course?

To challenge your current ideas about what you can create and achieve. This course assists you in developing your ability to make meaning from the artwork in our world, present and past. This course leads to Visual Arts General in Year 12 and more self-directed tasks.

CAREER POSSIBILITIES	FURTHER STUDY	
Visual Artist (mixed media, artist, painter, printmaker) Community Arts Worker Community Arts Leader Art Critic Arts Administrator Arts Consultant Arts Educator Art Teacher Arts Technician Curator Events Manager Gallery Assistant Fashion Designer Textile Designer Artist Pattern Cutter Stylist Fashion Retail Illustrator/Animator Photographer Designer Production and Design	TAFE Various courses available in: Fashion and Textiles Visual Arts and Craft Graphic Arts Arts Administration Furniture Industry and Interior Design Jewellery and Photography	UNIVERSITIES Edith Cowan University Bachelor of Arts - Majoring in: Advertising, Animation, Art Object Design, Arts, Arts Promotion, Arts/Business, Arts/Communications, Contemporary Fashion, Contemporary Fashion & Textiles, Two Dimensional & Digital Design, Visual Arts, Visual Arts Education Bachelor of Production and Design (Props and Scenery) University of Western Australia Bachelor of Arts majoring in Fine Arts Curtin University of Technology Bachelor of Arts - Majoring in: Fine Art, Photography and Illustration Design, Fashion, Textiles, Interior Architecture or Creative Advertising and Graphic Design

Dance General Units 1 & 2

Recommendations

Successful completion of Year 10 Dance is desirable.

What Is It All About?

The Dance General course provides students with the opportunity to view and express ideas through a variety of genres, styles and forms. Students use critical decision-making skills in individual and group work. Students are provided with a range of tasks that provide them with the opportunity to use their creative processes, such as improvisation and the use of choreographic elements and devices to create individual and group pieces. They are required to draw on their own physicality and the interpretation of existing work of others to create their own choreographed works. The course requires participants to be involved in group and solo performances.

Why Should I Choose This Course?

Dance is dynamic and powerful. It enables students to develop the knowledge and skills to participate in a variety of dance routines and leads to further education and training in the performing arts industry. As an art form, dance encourages artistic creativity and the active use of the imagination. The study of dance acknowledges the interrelationship between practical and theoretical aspects — the making and performing of movement and the appreciation of its meaning. This unit includes developing basic levels of physical condition for dance performance and basic dance techniques, sourcing information on the history and theory of dance and applying it to students' own area of work.

CAREER POSSIBILITIES	FURTHER STUDY	
Dancer Choreographer Artistic Director Arts Manager Teacher Actor Director and Producer Agent and Performing Arts Administrator	TAFE Edith Cowan University WAAPA Certificate III or IV in Dance Certificate IV in Dance Teaching and Management	UNIVERSITIES Edith Cowan University WAAPA Acting Arts Management Broadcasting Costume Dance Design Lighting Music Music Theatre Props & Scenery Sound Stage Management

Drama General Units 1 & 2

Recommendation

None, however, an interest in Drama and performance is highly desirable.

What Is It All About?

Students participate in a range of activities of from creation, to performance and reflection. They explore and communicate ideas and learn particular processes and skills to enable them to work with a range of drama forms, styles, conventions and technologies. They reflect, respond and evaluate drama and become critical, informed audiences, understanding drama in the context of their own society and culture, drawing on a diverse range of drama from other cultures, places and times to enrich their intercultural understanding. Students will work independently and collaboratively, while developing skills in time management, initiative and interpersonal skills. The Drama General course requires students to make informed judgements, using appropriate terminology and language to describe, analyse, interpret and evaluate drama, drawing on their understanding of both Australian and world drama practice.

Why Should I Choose This Course?

Drama is course that enables students to learn in variety of ways, both independently and cooperatively. Students gain skills in speaking in front of an audience, working as an effective team member as well as skills in observation, analysis and reflection. These skills cross boundaries, whilst ideal for anyone who wishes to enter the world of performing arts, it is also beneficial to anyone who will require public speaking or presentation abilities.

CAREER POSSIBILITIES	FURTHER STUDY	
Artistic Director Arts Manager Teacher Actor Agent and Business Manager Entertainment Manager Lighting Designer Director - Film and TV Performing Arts Administrator TV Presenter Stage Manager/Designer/Technician Also suited to sales, customer service and media allied industries and roles.	TAFE Edith Cowan University WAAPA	UNIVERSITIES Edith Cowan University WAAPA Murdoch UWA Curtin

Media Production & Analysis General Units 1 & 2

Recommendation

None, however, an interest in film and photography is highly desirable.

What Is It All About?

In the General Media Production and Analysis course of study, students explore media that range from traditional forms such as film, photography, newspapers, magazines, comics, radio and television to new and emerging multimedia technologies. Students gain an understanding of media language considering media forms, narrative, codes and conventions, representations and skills and processes.

Why Should I Choose This Course?

Through production of media texts students will gain conceptual and process skills and an understanding of the many factors that shape media texts.

CAREER POSSIBILITIES	FURTHER STUDY	
Camera Crew Sound Crew Graphic Designer Film Production/Lighting Advertising Makeup/Costume and Effects	TAFE Certificate II in Creative Industries (Media) Certificate III in Creative Industries (Media) Certificate IV in Creative Industries (Media) Certificate IV in Communications and Media	UNIVERSITIES Bachelor of Communication Bachelor of Arts

12. Technologies Learning Area

Engineering Studies ATAR Units 1 & 2 (Mechatronics Focus)

Recommendations

Minimum B Grade in Science and Maths and/or teacher recommendation and successful completion of a Year 10 technologies course.

What Is It All About?

The ATAR Engineering Studies courses provide students with opportunities to apply design processes, understand underpinning scientific and mathematical principles, develop engineering technology skills and to understand interrelationships between engineering projects and society.

The specialist field taught at Ridge View Secondary College is mechatronics. This is a combination of electronics, mechanical systems and control techniques. In particular, students are taught how to utilise programmable microcontrollers to control mechatronic models that they design, make and test.

Why Should I Choose This Course?

Engineering Studies caters for students interested in a career in engineering and for others who wish to pursue an interest in the discipline. The successful completion of this course will enhance the prospects for students to pursue post-school destinations that include engineering, science, and technical and technology related work and professions.

CAREER POSSIBILITIES	FURTHER STUDY	
Engineering Mechanics Electrical Electronics Science Education	TAFE Cert IV in Engineering	UNIVERSITIES Edith Cowan University WAAPA Murdoch UWA Curtin

Metal – Materials Design & Technology General Units 1 & 2 1 & 2

Recommendations

None, however, successful completion of a Year 10 technologies course is desirable.

What Is It All About?

The focus for this course for is design and production fundamentals. Students are introduced to principles and practices of design, fundamentals of design and to manufacture metal products for themselves. They learn to communicate various aspects of the design process within the structure of making their product. Throughout the process, students learn about materials, including their origins, classifications, properties and suitability for purpose. Students are introduced to relevant technology processes, machine and hand tools skills. Students work in a defined environment and learn to use a variety of relevant technologies safely and effectively.

Why Should I Choose This Course?

This course is for those students who have an interest engineering and manufacturing of metal products. In addition to this the course also will contribute valuable skills and experience to further education and employment in related fields.

CAREER POSSIBILITIES	FURTHER STUDY	
Fitting and Turning Machinist Mechanical Fitter Boilermaker Blacksmith Electroplater Engineering Pattern Maker Foundry Worker Sheet metal Worker Welder- First Class	TAFE Certificate II in Engineering Certificate II in Automotive Certificate III in Engineering Certificate III in Automotive Certificate III in Electro-technology Certificate IV in Electro-technology	UNIVERSITIES Bachelor of Engineering

Wood – Material Design & Technology General Units 1 & 2

Recommendations

None, however, successful completion of a Year 10 technologies course is desirable.

What Is It All About?

An introduction to principles, practices and fundamentals of design and concepts related to designing for individuals and markets. Students learn to communicate aspects of the design process while making what they design. The origins, classification properties and purposes of materials is investigated. Students are introduced to a range of technology skills, generate ideas and realise these ideas through their design projects.

There are a number of set projects which incorporate design, cabinet making, machining and finishing techniques. Students will design and produce products to their own specifications and needs.

Why Should I Choose This Course?

This course could give students the opportunity of an apprenticeship in one of the many divisions of the building industry.

CAREER POSSIBILITIES	FURTHER STUDY	
Furniture Maker Cabinet Maker Roof Carpenter Furniture Polisher Furniture Upholsterer Wood Machinist Boat Building Carpenter	TAFE Certificate II in Furnishings Certificate III in Furnishings Certificate IV in Furnishings Carpentry Apprenticeship	UNIVERSITIES Bachelor of Engineering Bachelor of Arts

Children, Family & Community General Units 1 & 2

Recommendations

None, however, successful completion of a Year 10 Childcare is desirable.

What Is It All About?

Caring for a child is one of the most rewarding experiences anyone can undertake. Units 1 and 2 provide students with knowledge and skills to prepare for this life changing experience. This course will include both theory and practical components. An understanding of reproduction/pregnancy, how a child grows and develops, family types and an awareness of services and networks to support and assist families are an important focus of the course. This course is an excellent choice for students with a genuine interest in children and for those planning a career working with 0-5yr olds.

Why Should I Choose This Course?

This course offers students a broad perspective of responsible care giving and parenting and serves as an introduction to further studies in service occupations indicated below.

CAREER POSSIBILITIES	FURTHER STUDY	
Social Worker Pre-School Teacher Day Care Worker/Operator Nanny Parenting Advisor Education Support Officer Entertainer	TAFE Certificate II in Community Services (Childcare) Certificate III in Community Services (Childcare) Certificate II in Health Services Certificate III in Health Services Certificate II in Human Services	UNIVERSITIES Bachelor of Education Bachelor of Social Work Bachelor of Health Science Bachelor of Nursing

CHC22015 - Certificate II in Community Services offered in a Childcare Focus

Requirements

- None, however, successful completion of a Year 10 Childcare is desirable.

What Is It All About?

This course is an entry level qualification designed for students who are looking for skills for working with children in the community. Through this course, students will study the basics of working efficiently with children from birth to 12 years of age, however the major focus of study is on 1 – 6 years of age. This qualification may be used as a pathway into Certificate III in Community Services or Early Childhood Education and Care.

Why Should I Choose This Course?

Students will learn how to care for and educate young children through hands on practical experience and child theory-based research in the area of health, communication, nutrition and working with others, in a very student friendly, fun and educational environment.

CAREER POSSIBILITIES	FURTHER STUDY	
Childcare worker Out of school care worker Recreation centre worker Childcare centre manager Social worker Child Psychologist	TAFE Certificate III in Community Services Certificate III in Children’s Services Certificate IV in Children’s Services (Outside School Hours Care) Diploma of Children’s Services (Early Childhood Education and Care) Certificate IV in Child, Youth and Family Intervention Diploma of Child, Youth and Family	UNIVERSITIES Bachelor of Education (Early Childhood Development) Bachelor of Social Work Bachelor of Health Science (Nurse) Bachelor of Social Science Occupational Therapy Physiotherapy

Food Science & Technology General Units 1 & 2

Requirements

None, however, successful completion of a Year 10 Food Science is desirable.

What Is It All About?

The focus for this unit is all about food and the individual. Students explore ways in which individuals select and use foods, and how this is determined by family customs, lifestyle, and budget, availability of food and preparation skills. Students will learn about the availability and variety of local foods. Students will identify their personal food requirements, and the influence of food choice on health. Students will demonstrate safe food handling procedures and work individually and in teams to generate and communicate ideas when producing and storing food products.

Why Should I Choose This Course?

To become confident and independent in following recipes, food preparation and for catering for friends and family. The skills you gain will give you the edge when applying for jobs in the hospitality industry.

CAREER POSSIBILITIES		FURTHER STUDY	
Head Chef	Hotel Manager	TAFE	UNIVERSITIES
Pastry Chef	Housekeeper	Certificate III in Hospitality	Bachelor of Business (Hospitality Management)
Food Stylist	Restaurant	Diploma of Hospitality	
Bar Manager	Manager		
Duty Manager	Barista		

SIT20316 - Certificate II in Hospitality

Requirements

- None, however, successful completion of a Year 10 Food Science is desirable.

What Is It All About?

This course aims to provide students with a range of vocationally orientated skills which enable participants to gain employment within the hospitality industry. Students are provided with training in such areas as occupational health and safety, cleaning and basic food preparation skills which equip them for a range of employment opportunities in commercial kitchens.

Why Should I Choose This Course?

This course is an excellent introduction to the employment pathway of Hospitality. On successful completion of this qualification, students will receive their SIT20316 - Certificate II in Hospitality.

CAREER POSSIBILITIES	FURTHER STUDY	
Head Chef Pastry Chef Food Stylist Bar Manager Duty Manager Hotel Manager Housekeeper Restaurant Manager Barista	TAFE Certificate III in Hospitality Diploma of Hospitality	UNIVERSITIES Bachelor of Business (Hospitality Management)

Applied Information Technology General Units 1 & 2

What Is It All About?

Digital Technologies impact on almost all aspects of our life and have changed how people interact and exchange information. These rapid changes have created new challenges and opportunities in how we are entertained, educated and the way we do business. This course will give students an understanding of computer systems and networks, as well as looking at the legal, ethical, social issues associated with different technological solutions including:

- Design Fundamentals
- Project Management
- Trouble shooting computer hardware issues
- Design, set up and troubleshooting of networks
- Design, develop and market interactive apps
- Design, program and develop software and hardware applications

Why Should I Choose This Course?

Gain further employment in the computing industry. Further studies at TAFE. Can lead to University entrance via alternative pathways.

CAREER POSSIBILITIES	FURTHER STUDY	
Trainee Computer Operator Data Entry Operator Network Support Operator Help Desk Operator Network Support Officer Network Analyst Network Manager Security Analyst Network Designer Integration Centre Specialist Systems Engineer Intranet Engineer	TAFE Certificate III in IDMT Certificate IV in IDMT Diploma of IDMT	UNIVERSITIES Bachelor of Technology (Computing) Bachelor of Information Systems

13. Health and Physical Education Learning Area

Physical Education Studies ATAR Units 1 & 2

Recommendations

A minimum B grade in Year 10 Physical Education and English with teacher recommendation

What Is It All About?

This course explores anatomical and biomechanical concepts, the body's response to physical activity and stress management to improve their own and others' performance in physical activity. Students also identify the relationship between skill, strategy and the body in order to improve effectiveness and efficiency of performance. The course is 70% theoretical and 30% practical. For the practical component students will participate in a variety of sports. This course includes a practical WACE exam at the end of year 12.

Why Should I Choose This Course?

There are some strong links between Physics, Sport and Human Biology. This course will be beneficial for students who would like to pursue a career in sports and/or human biological sciences.

CAREER POSSIBILITIES	FURTHER STUDY	
Sports Science Sports Medicine Coaching Elite Sports Management Athlete Participation Psychology Nutritionist Physiotherapist Occupational Therapist Nurse Fitness Instructor Leisure Industry	TAFE Certificate IV or higher in Sport or Sport Management	Universities Bachelor of Sport Science Bachelor of Biomedical Science Bachelor of Sports Management Bachelor of Applied Social Science Bachelor of Education

Physical Education Studies General Units 1 & 2

What Is It All About?

Approximately 50% of this course is practical and 50% is theory. Students will be offered opportunities to enhance and refine their own physical skills in sports within each unit. Practical sessions will include a variety of sports depending on availability of facilities and may include squash, lawn bowls, ten pin bowling, trampolining, golf and volleyball. These sports help link classroom based knowledge with practical application.

The theory focus is on introductory anatomy, physiology and, personal training and coaching methodology. This leads on to leadership, mental skills and refinement of skills to realise personal potential. Basic theory topics include: sports nutrition; introduction to mental skills training; basic biomechanics; communication; coaching styles and training principals; media influences; analysing skills and tactics; and goal setting.

Why Should I Choose This Course?

There are some strong links between Physics, Dance and Human Biology. This course will be beneficial for students who would like to pursue a career in sports and/or human biological sciences.

CAREER POSSIBILITIES		FURTHER STUDY
Dancer	Weight Loss Counsellor	TAFE Certificate II or higher Some units can be used in other TAFE packages
Army Soldier	Nurse	
Fire Fighter	Fitness Instructor	
Navy Sailor	Sports Coach	
Health Worker	Leisure Industry	

Health Studies ATAR Units 1 & 2

Recommendations

A minimum of B grade in English is recommended

What Is It All About?

In this ATAR course students explore health as a dynamic quality of life. They examine the impact of social, environmental, economic and biomedical determinants on health and their collective contribution to health disparities, as well as exploring approaches to address barriers which prevent groups from experiencing better health. Students apply inquiry skills to examine and analyse health issues, develop arguments and draw evidence-based conclusions. The course also provides students with the opportunities to develop skills that will enable them to pursue careers in health promotion, research or community health care.

Why Should I Choose This Course?

The subject will be beneficial to students who would like to pursue a career in Health fields.

CAREER POSSIBILITIES	FURTHER STUDY	
Medicine Nursing Health Promotion Fitness Childcare Community Services Youth Work Beauty Therapy Nutrition Food Science	TAFE Certificates in: Health Assistance Health Support Health Services Work Health and Safety Mental Health	UNIVERSITIES Bachelor of Education Bachelor of Applied Public Health Bachelor of Applied Social Science Nursing Psychology Public Health

Certificate III in Fitness (2 Year Course)

Recommendations

Students need to have genuine interest in fitness and understand there is a demanding theory component to this qualification

What Is It All About?

This qualification will provide students with the practical skills and knowledge to plan and conduct a fitness program that will enable them to assist new gym members to use equipment & lead small group classes through basic programming. Students will also learn about anatomy, healthy eating, and how to work with older adults and children. Assessment is based on a competent or not competent basis and will involve practical sports performance and theory based work. This course will be conducted over both Year 11 and 12.

Why Should I Choose This Course?

This course would be suitable for anyone wishing to enter the fitness or personal training industries

CAREER POSSIBILITIES	FURTHER STUDY	
Fitness Instructor Physical Fitness Trainer Aerobics Instructor Community Services Youth Work Nutrition Food Science	TAFE Certificates in: Fitness Health Assistance Health Support Health Services	UNIVERSITIES Bachelor of Sports Science Bachelor of Applied Public Health Bachelor of Applied Social Science Public Health

Useful Internet Address

<p>Post-school Courses and Results https://student.scsa.wa.edu.au/student-portal School Curriculum and Standards Authority Student Information Personalised login, student details and results</p> <p>www.scsa.wa.edu.au School Curriculum and Standards Authority. Information about the ATAR examinations, course enrolment procedures and rules</p> <p>www.tisc.edu.au Tertiary Institution Services Centre. Information on Special Tertiary Admissions Test (STAT), TISC services and university admission procedures</p>	<p>Further Education and Training https://www.southmetrotafe.wa.edu.au/ South Metropolitan TAFE</p> <p>https://www.northmetrotafe.wa.edu.au/ North Metropolitan TAFE</p> <p>http://www.sevenoaks.wa.edu.au/ Sevenoaks Senior College - post compulsory education for adult students</p> <p>http://www.northlake.wa.edu.au North Lake Senior Campus - post compulsory education for adult students</p> <p>http://www.cyriljackson.wa.edu.au Cyril Jackson Senior Campus - post compulsory education for adult students</p> <p>http://www.dtwd.wa.gov.au Department of Training and Workforce Development, Government of Western Australia</p> <p>http://www.education.gov.au Department of Education and Training</p> <p>Career Information https://myfuture.edu.au/ Government sponsored Career Information Service</p> <p>http://www.education.gov.au/job-guide Department of Education and Training Job Guide</p> <p>http://joboutlook.gov.au/ Job Outlook provides data on employment characteristics, trends and prospects for occupations</p> <p>http://www.defencejobs.gov.au Australian Defence Force recruiting and career information.</p> <p>http://www.cciwa.com/apprenticeship-support-australia CCI WA Apprenticeship Support Australia Australian Apprenticeship Support Network</p> <p>http://www.careersonline.com.au Includes Jobseeker's Workshop to help you choose a career</p>
<p>University Course Information http://www.curtin.edu.au Curtin University</p> <p>http://www.cqu.edu.au CQ University</p> <p>http://www.ecu.edu.au Edith Cowan University</p> <p>http://www.murdoch.edu.au Murdoch University</p> <p>http://www.nd.edu.au The University of Notre Dame Australia</p> <p>http://www.uwa.edu.au The University of Western Australia</p> <p>http://www.curtincollege.edu.au Curtin College University Preparation courses in association with Curtin</p> <p>http://www.edithcowancollege.edu.au Edith Cowan College University Preparation courses in association with ECU</p> <p>http://www.murdochinstitute.wa.edu.au Murdoch Institute of Technology University Preparation courses in association with Murdoch</p>	

<p>Services/Information</p> <p>http://www.education.gov.au/youth Services and information for youth. Lots of useful links to other sites</p> <p>http://www.humanservices.gov.au Department of Human Services. Deliver social and health-related payments and services.</p> <p>http://www.gooduniversitiesguide.com.au The Good Universities Guide includes ratings and rankings of courses, campuses and universities.</p>	<p>Vacancies/Recruitment</p> <p>https://jobsearch.gov.au Australian government sponsored job search site. Commonwealth Public Sector employment. Also available on touch screens in Centrelink and Job Network offices</p> <p>https://www.jobs.gov.au/ Australian government sponsored sites with information about employment, industrial relations, careers and training</p> <p>http://www.seek.com.au Australian employment, career and recruitment site</p>
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