



2026 YEAR 11  
**COURSE  
HANDBOOK**



# Table of Contents

ENGLISH LEARNING AREA.....	5
LANGUAGES LEARNING AREA .....	8
HEALTH & PHYSICAL EDUCATION LEARNING AREA.....	11
HUMANITIES & SOCIAL SCIENCES LEARNING AREA .....	14
MATHEMATICS LEARNING AREA.....	21
SCIENCE LEARNING AREA .....	26
THE ARTS LEARNING AREA.....	30
TECHNOLOGIES LEARNING AREA .....	36
VOCATIONAL EDUCATION & TRAINING (VET).....	45

### **Course Selections**

Each year all Year 11 Course selections are completed using the Subject Selection Online system. Instructions on how to access and use SSO are communicated to Parents/Guardians via email contact as recorded in our school records. Please ensure these details are up to date.

1. On the school website <https://cvc.wa.edu.au/> under the Teaching & Learning / Upper School / Year 11 Important Documents, students will be able to access:
  - The link to the SSO Login screen on prescribed dates;
  - The Year 11 Course Handbook, which contains overviews of the courses available for selection, together with course prerequisites;
  - The WACE Manual (Western Australian Certificate of Education), and other useful WACE publications;
  - Information regarding VET, Careers and Workplace Learning;
  - The proposed Year 11 2026 Timetable Grid.
2. Students select their courses using the SSO program.
3. After SSO closes course selections will be collated and decisions will be made about which courses will be running in 2026. Courses that do not attract sufficient numbers will not run. Once this is decided class groups will be created according to student selections. Whilst we endeavour to place students into their most preferred courses some students may not be allocated their highest ranking choices in which case they will be placed in one of their reserve subjects.
4. In December, once all the class allocations are completed, an invoice will be sent to each family which will include the courses that their child is enrolled in for the following year.

### **Course Costs**

The course costs listed for 2025 in SSO may be used as an approximate guide for course costs that may be applied in 2026. These costs may change due to increasing budgetary requirements, following approval by the College Board. The maximum course costs that can be charged will not increase.

A Course with a cost greater than \$80 is considered to be a high cost subject. If you are successful in obtaining a place in a high cost subject a 50% deposit may be required. Further information regarding payment of this deposit will be communicated to parents towards the end of Term 3.

## ENGLISH LEARNING AREA

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

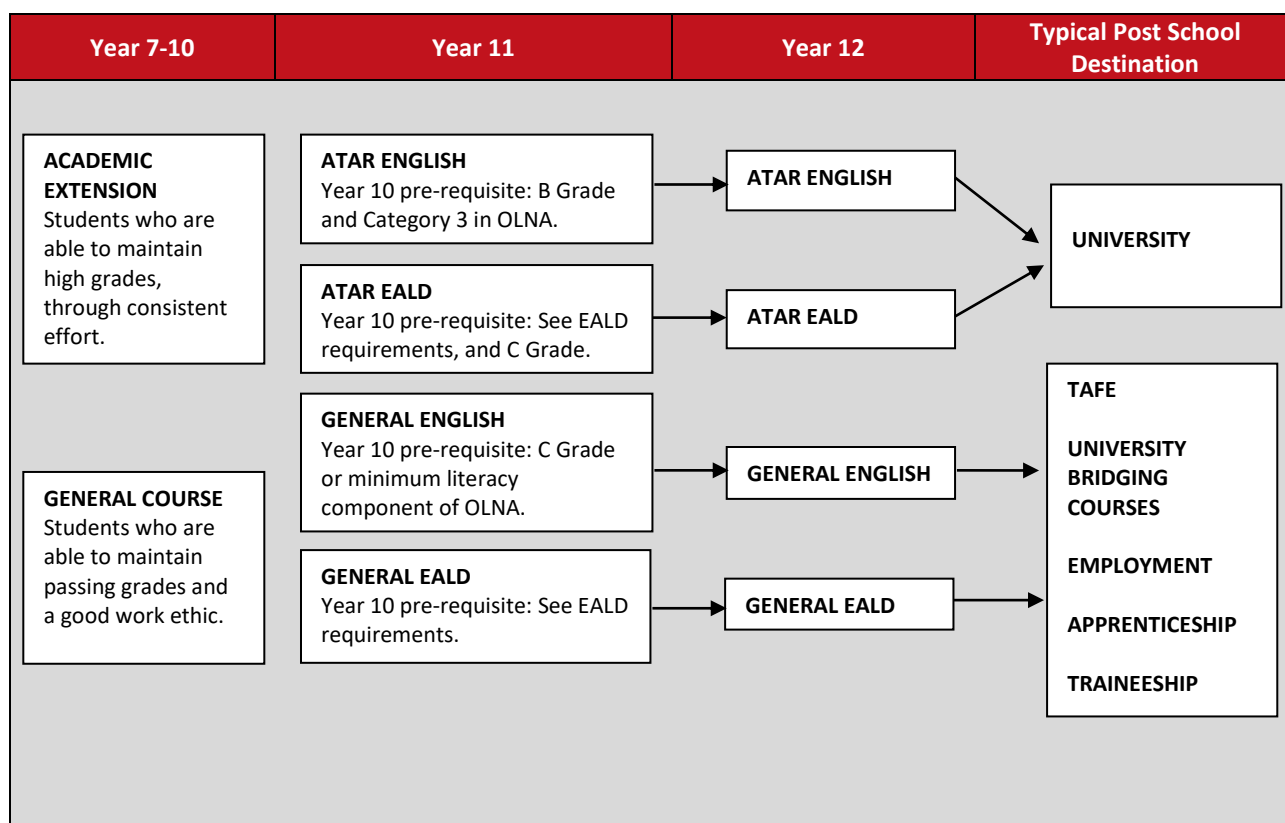
Yes, in order to meet the WACE (Western Australian Certificate of Education) requirements, it is compulsory for you to complete two Year 11 English, EALD or Literature units and one pair of Year 12 English, EALD or Literature units.

### 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) requirements. 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.

### Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only.



## ATAR English Units 1 & 2

### Requirements

- B grade or above in Year 10 English, plus achievement of Category 3 in OLNA, or pre-qualifying through Year 9 NAPLAN.

### 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.	<b>TAFE</b> Allows students to demonstrate communication skills for TAFE entrance purposes.	<b>UNIVERSITIES</b> Allows students to demonstrate literacy competence for university admission purposes.

## **ATAR English as an Additional Language or Dialect (EALD) Units 1 & 2**

### **Requirements**

The ATAR EALD course will be available to a student in Year 11 who is seeking university entrance at the end of Year 12 and:

- Whose first language is not English and who has not been a resident in Australia or another predominantly English speaking country for a total period of more than six years immediately prior to 1 January of the year of enrolment into Year 11, AND for whom English has not been the main medium of communication and/or instruction for more than six years immediately prior to 1 January of the year of enrolment into Year 11
- Who is Aboriginal or Torres Strait Islander, or from Cocos Island or Christmas Island, for whom Standard Australian English (SAE) has been the medium of instruction, but for whom SAE is an additional language/dialect, and whose exposure to SAE is primarily within the school context
- Who is deaf or hard-of-hearing and communicates using signing, such as Auslan, as their first language.

Also, a C grade or above in Year 10 English and Level 5 Early Adolescence EAL/D Progress Map.

### **What Is It All About?**

The EALD courses are designed for students who speak another language or dialect as their first or 'home' language. EALD focuses on development of the competent use of SAE in a range of contexts. The EALD ATAR course develops academic English skills to prepare students for tertiary study.

### **Why Should I Choose This Course?**

Successful completion of this course in Year 11 will enable you to enrol in ATAR EALD 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).

CAREER POSSIBILITIES	FURTHER STUDY	
Business and commerce Education Health Information technology Science and engineering	<b>TAFE</b> Allows students to demonstrate communication skills for TAFE entrance purposes.	<b>UNIVERSITIES</b> Allows students to demonstrate literacy competence for university admission purposes.

## **General English Units 1 & 2**

### **Requirements**

- None specified 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	<b>TAFE</b> Allows students to demonstrate communication skills for TAFE entrance purposes.	<b>UNIVERSITIES</b> Allows students to demonstrate literacy competence for university bridging courses admission purposes.

## **General English as an Additional Language or Dialect (EALD) Units 1 & 2**

### **Requirements**

The General EALD course will be available to a student in Year 11 who is seeking TAFE or workforce entry at the end of Year 12 and:

- Whose first language is not English and who has not been a resident in Australia or another predominantly English speaking country for a total period of more than six years immediately prior to 1 January of the year of enrolment into Year 11, AND for whom English has not been the main medium of communication and/or instruction for more than six years immediately prior to 1 January of the year of enrolment into Year 11;
- Who is Aboriginal or Torres Strait Islander, or from Cocos Island or Christmas Island, for whom SAE has been the medium of instruction, but for whom SAE is an additional language/dialect, and whose exposure to SAE is primarily within the school context;
- Who is deaf or hard-of-hearing and communicates using signing, such as Auslan, as their first language;
- Whose first language is not English and was born outside Australia. Has been a resident in Australia or another predominantly English-speaking country for a total period of more than six years immediately prior to 1 January of the year of enrolment into Year 11, however, has not yet acquired a level of English that will allow the student to engage with any other English course.

### **What Is It All About?**

The EALD courses are designed for students who speak another language or dialect as their first or 'home' language. EALD focuses on development of the competent use of Standard Australian English (SAE) in a range of contexts. The EALD General course prepares students for a range of post-secondary destinations in further education, training and the workplace.

### **Why Should I Choose This Course?**

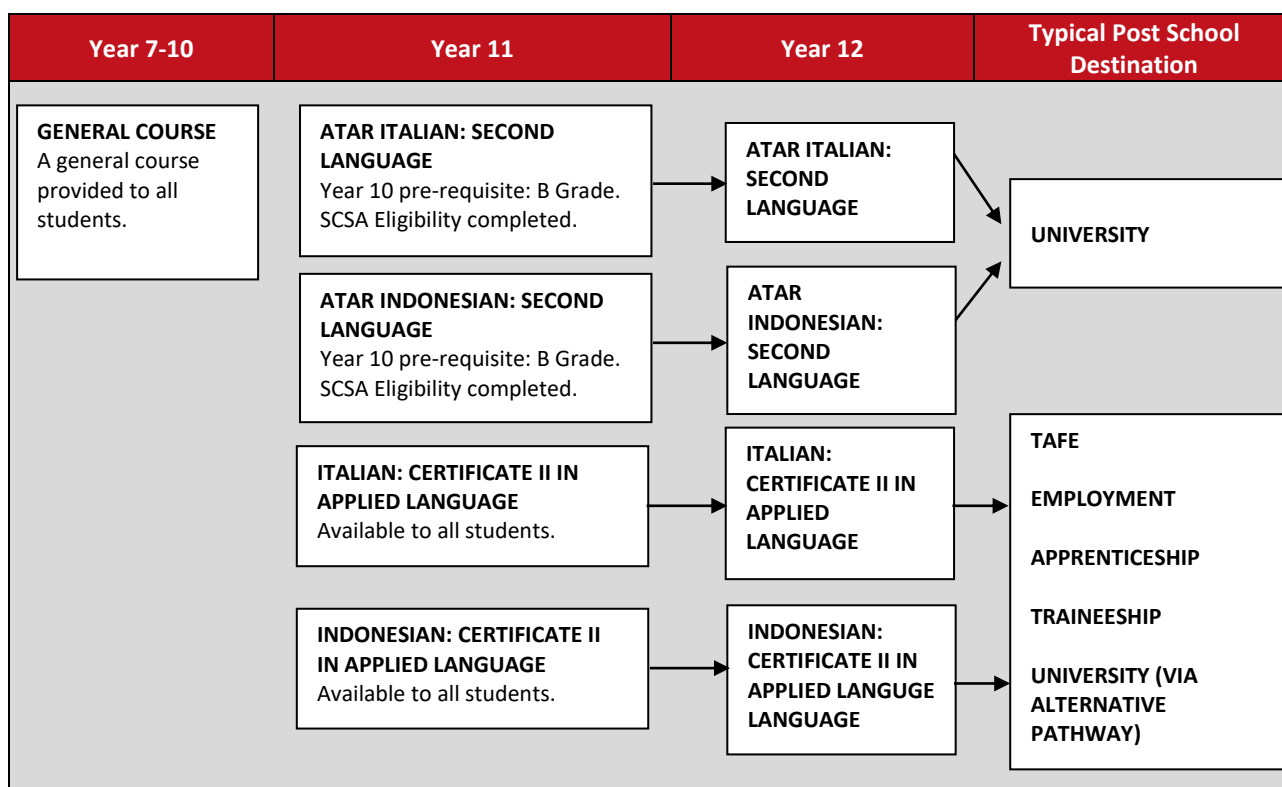
Successful completion of this course in Year 11 will enable you to enrol in General EALD the following year. This is a suitable course for students seeking to demonstrate communication skills for State Training Provider admission purposes, or for those who wish to enter the workforce or undertake an apprenticeship or traineeship.

CAREER POSSIBILITIES	FURTHER STUDY	
Animal care Automotive Beauty and fashion Business & finance Electrical Food and hospitality Hairdressing Health Information technology	<b>TAFE</b> Allows students to demonstrate communication skills for TAFE entrance purposes.	<b>UNIVERSITIES</b> Not applicable.

## LANGUAGES LEARNING AREA

### Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only. Students with an interest in a Languages pathway should take note of any prerequisites set out below.



### ATAR Italian: Second Language Units 1 & 2

#### Requirements

B grade in Year 10 Italian. Students also need to meet the following SCSA eligibility requirements to enrol in the Italian Second Language Course:

- Completed less than 1 year of education at a school where Italian is the medium of instruction (beyond the Italian classroom).
- Spent less than 2 years in total residing in Italy or Italian-speaking provinces of Switzerland.
- Is not exposed to the language outside the classroom for communicating with a person/relative who has a background in the language.



### What Is It All About?

This course progresses from the Year 7–10 curriculum and focuses on further developing a student's knowledge and understanding of the culture and the language of Italian-speaking communities. Students gain a broader and deeper understanding of the Italian language and extend and refine their communication skills.

The ATAR Italian: Second Language course can connect to the world of work, further study and travel. It also offers opportunities for students to participate in the student exchange programs between Western Australia and Italy. The ATAR Italian: Second Language course is designed to equip students with the skills needed to function in an increasingly globalised society, a culturally and linguistically diverse local community and to provide the foundation for life-long language learning.

**Unit 1** focuses on **Rapporti (Relationships)**. Through the three topics - *Rapporti in famiglia, tra gli amici e a scuola* (family, friend and school relationships), *Le tradizioni, gli spettacoli e le feste* (traditions, events and celebrations), and *Comunicare nel mondo moderno* (communicating in a modern world) - students further develop their communication skills in Italian and gain a broader insight into the language and culture.

**Unit 2** focuses on **Andiamo! (Travel – let's go!)**. Through the four topics - *Le vacanze - racconti e progetti* (my holiday tales and plans), *Destinazione Italia* (destination Italy), *Destinazione Australia* (destination Australia), and *Viaggiare oggi* (travel in a modern world) - students extend their communication skills in Italian and gain a broader insight into the language and culture.

### Why Should I Choose This Course?

- You have an interest in the language and culture of Italy.
- You want to earn bonus marks towards your ATAR for entry to UWA, Curtin University, Murdoch University or ECU (or other universities around Australia).
- You want to develop your confidence and communication skills and improve your understanding of the English language.
- You want enhanced career prospects through having the knowledge of a second language.
- You want to participate in a student exchange program.

CAREER POSSIBILITIES	FURTHER STUDY	
Italian is a useful subject for a range of careers in which communication with people is important. These include careers in the fields of hospitality, tourism, medicine, science and engineering, education and the arts	<b>TAFE</b> Diploma Applied Language Studies	<b>UNIVERSITIES</b> Students can continue their language studies at university and it is possible to combine languages with courses from many other disciplines.

## ATAR Indonesian: Second Language Units 1 & 2

### Requirements

B grade in Year 10 Indonesian. Students also need to meet the following SCSA eligibility requirements to enrol in the Italian Second Language Course:

- Completed less than 1 year of education at a school where Indonesian or Malay is the medium of instruction (beyond the Indonesian classroom).
- Spent less than 2 years in total residing in Indonesia or Indonesian / Malay-speaking countries or places.
- Is not exposed to the language (or a related language or dialect of the language) outside the classroom for communicating with a person/relative who has a background in the language.

### What Is It All About?

This course progresses from the Year 7–10 curriculum and focuses on further developing a student's knowledge and understanding of the culture and the language of Indonesian-speaking communities. Students gain a broader and deeper understanding of the Indonesian language and extend and refine their communication skills.

The ATAR Indonesian: Second Language course can connect to the world of work, further study and travel. The ATAR Indonesian: Second Language course is designed to equip students with the skills needed to function in an increasingly globalised society, a culturally and linguistically diverse local community and to provide the foundation for life-long language learning.

**Unit 1** focuses on **Saat ini aku disini (Here and now)**. Through the three topics - Being a teen, what does it mean? Indonesian communities and Staying Connected - students further develop their communication skills in Indonesian and gain a broader insight into the language and culture.

**Unit 2** focuses on *Bisa saya bantu? (Can I help you?)*. Through the three topics - My country Australia, On exchange, and Careers and travel - students extend their communication skills in Indonesian and gain a broader insight into the language and culture.

#### **Why Should I Choose This Course?**

- You have an interest in the language and culture of Indonesia.
- You want to earn bonus marks towards your ATAR for entry to UWA, Curtin University, Murdoch University or ECU (or other universities around Australia).
- You want to develop your confidence and communication skills and improve your understanding of the English language.
- You want enhanced career prospects through having the knowledge of an additional language.

<b>CAREER POSSIBILITIES</b>	<b>FURTHER STUDY</b>	
Indonesian is a useful subject for a range of careers in which communication with people is important. These include careers in the fields of hospitality, tourism, medicine, science and engineering, education and the arts	<b>TAFE</b> Diploma Applied Language Studies	<b>UNIVERSITIES</b> Students can continue their language studies at university and it is possible to combine languages with courses from many other disciplines.

### **Italian: 10949NAT - Certificate II in Applied Language**

#### **Requirements**

There are no prerequisites for this course.

#### **What Is It All About?**

This course is designed to provide students with language skills and intercultural knowledge to enable them to communicate in social and workplace situations in Italian.

Students will be able to communicate in simple and basic tasks requiring a simple and direct exchange of information and opinions including: conducting basic oral communication for social and workplace purposes in Italian and reading and writing basic documents for social purposes and writing workplace documents in Italian.

#### **Why Should I Choose This Course?**

- You have an interest in the language and culture of Italy.
- You want to develop your confidence and communication skills and improve your understanding of the English language.
- You want enhanced career prospects through having the knowledge of a second language.

This course will be offered under the auspices of a Registered Training Organisation.

<b>CAREER POSSIBILITIES</b>	<b>FURTHER STUDY</b>	
Italian is a useful subject for a range of careers in which communication with people is important. These include careers in the fields of hospitality and tourism, medicine, science and engineering, diplomacy, education and the arts.	<b>TAFE</b> 11074NAT - Certificate III in Applied Language  Diploma Applied Language Studies	<b>UNIVERSITIES</b> Students can continue with entrance level language studies at university and it is possible to combine languages with courses from many other disciplines. Contact the universities for more information.

### **Indonesian: 10949NAT - Certificate II in Applied Language**

#### **Requirements**

There are no prerequisites for this course.

#### **What Is It All About?**

This course is designed to provide students with language skills and intercultural knowledge to enable them to communicate in social and workplace situations in Indonesian.

Students will be able to communicate in simple and basic tasks requiring a simple and direct exchange of information and opinions including: conducting basic oral communication for social and workplace purposes in Indonesian and reading and writing basic documents for social purposes and writing workplace documents in Indonesian.

### Why Should I Choose This Course?

- You have an interest in the language and culture of Indonesia.
- You want to develop your confidence and communication skills and improve your understanding of the English language.
- You want enhanced career prospects through having the knowledge of a second language.

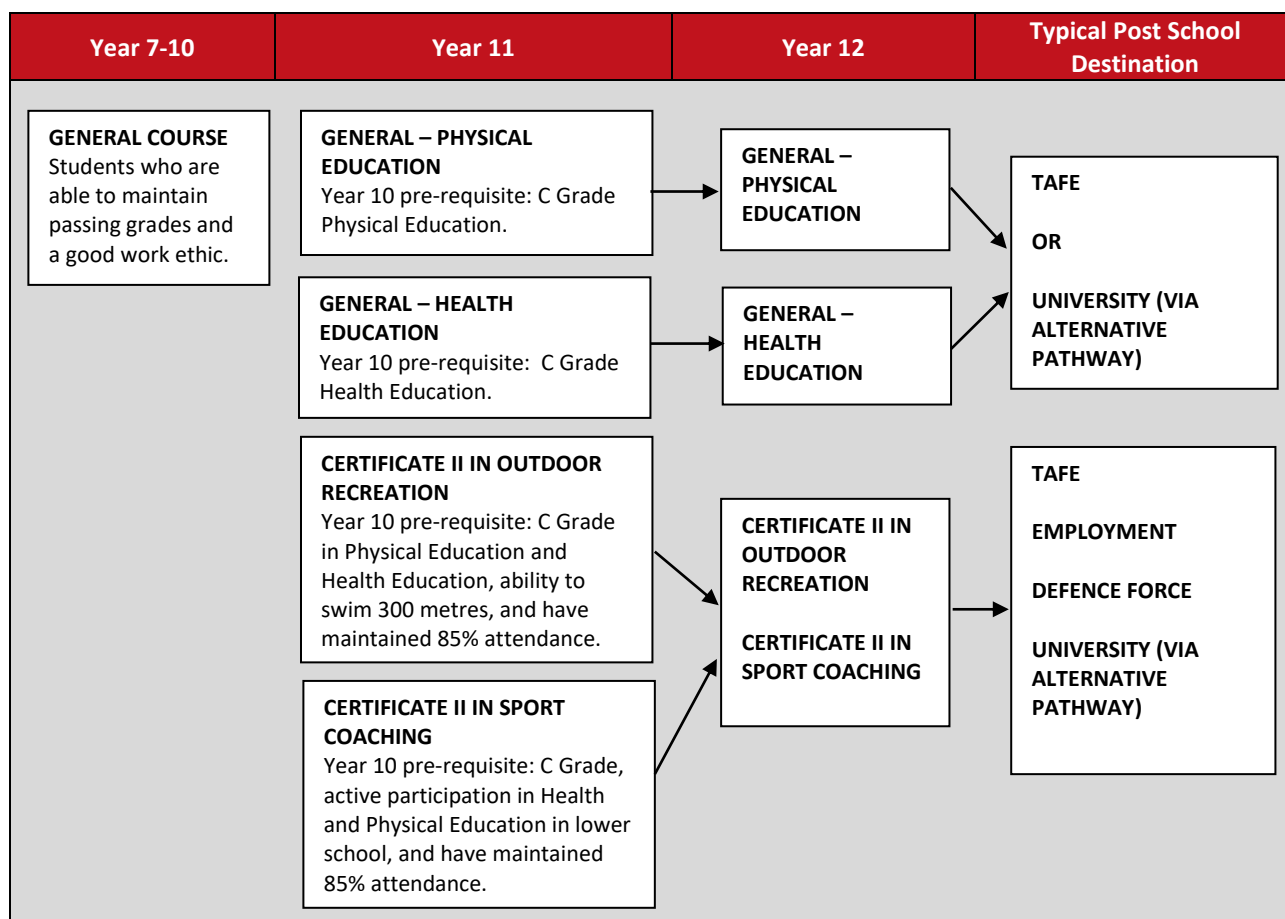
This course will be offered under the auspices of a Registered Training Organisation.

CAREER POSSIBILITIES	FURTHER STUDY	
Indonesian is a useful subject for a range of careers in which communication with people is important. These include careers in the fields of hospitality and tourism, medicine, science and engineering, diplomacy, education and the arts.	<b>TAFE</b> 11074NAT - Certificate III in Applied Language  Diploma Applied Language Studies	<b>UNIVERSITIES</b> Students can continue with entrance level language studies at university and it is possible to combine languages with courses from many other disciplines. Contact the universities for more information.

## HEALTH & PHYSICAL EDUCATION LEARNING AREA

### Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only.



## Physical Education Studies General Units 1 & 2

### Requirements

- C Grade or above, and active participation in Year 10 Physical Education.

### 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 Army Soldier Fire Fighter Navy Sailor Health Worker	Weight Loss Counsellor Nurse Fitness Instructor Sports Coach Leisure Industry	<b>TAFE</b> Certificate II or higher Some units can be used in other TAFE packages

## Health Education General Units 1 & 2

### Requirements

- C Grade or above in Year 10 Health Education.

### What Is It All About?

**Unit 1** - This unit focuses on personal health and wellbeing and what it means to be healthy. Students explore factors which influence their health, and design action plans to improve health and achieve set goals. Key consumer health skills and concepts, and the relationship between beliefs, attitudes, values and healthy behaviour, and the impact of social and cultural norms, are introduced. Key self-management and interpersonal skills required to build effective relationships are explored. Health inquiry skills are developed and applied to investigate and report on health issues.

**Unit 2** - This unit focuses on personal health and introduces the many factors which influence health. The notion of prevention is central to this unit, and students explore actions, skills and strategies to cope with health influences and improve health. In addition to health determinants, the influence of cognitive dissonance on decision making and the role of communities in shaping norms and expectations are explored. Self-management and cooperative skills are examined and students continue to develop and apply health inquiry skills.

### Why Should I Choose This Course?

These topics provide a strong health background for all students. The subject will be beneficial to students who would like to pursue a career in Health fields. Successful completion of the Year 11 Health Studies general course provides suitable preparation for the Year 12 Health Studies general course.

CAREER POSSIBILITIES	FURTHER STUDY	
Health Worker Child Care Gym Instructor Aged Care Worker Herbalist Disability Services Counsellor	<b>TAFE</b> Certificates in: Health Assistance Health Support Health Services Work Health and Safety Mental Health	<b>UNIVERSITIES</b> Bachelor of Education Bachelor of Applied Public Health Bachelor of Applied Social Science Nursing Psychology Public Health

**Requirements**

- C grade or above in Year 10 Physical Education and Health Education.
- Students must be active and have a passion for the outdoors. They must also be competent in the water, **being able to swim 300 metres**.
- Students must have maintained at least 85% attendance in lower school.

**What Is It All About?**

The Certificate II in Outdoor Recreation provides the student with the opportunity to acquire skills to participate in multiple recreational activities. This is a very practical subject. Activities include abseiling, canoeing, cycling, snorkelling, yachting, and power boating (includes obtaining a Recreational Skippers Ticket). Students will also conduct and plan outdoor activities considering logistics and Occupational Health and Safety. Two camps/expeditions are also part of this course and it is compulsory for students to attend.

**Why Should I Choose This Course?**

On successful completion of this qualification delivered over two years, students will receive their SIS20419 Certificate II in Sport and Recreation. This course is offered under the auspices of Australian Institute of Education and Training RTO121314. Student and Parent information can be found on their website [www.aiet.edu.au](http://www.aiet.edu.au). In addition to this, students are satisfying School Curriculum and Standards Authority requirements.

CAREER POSSIBILITIES	FURTHER STUDY	
Police/Defence Force CALM Ranger Recreation Officer Instructor in Abseiling & Climbing Emergency Services Tourism/Marine Studies	<b>TAFE</b> Sport & Recreation Health & Safety Outdoor Recreation	<b>UNIVERSITIES</b> Bachelor of Human Movement & Recreation Bachelor of Physical Education (Outdoor Education) Sports Science

**SIS20321 - Certificate II in Sport Coaching**
**Requirements**

- C grade or above in Year 10 Physical Education and Health Education.
- Students must have maintained at least 85% attendance in lower school.

**What Is It All About?**

This course is made up of 70% practical and 30% theory. The practical will include participation in a variety of sports, developing skills, tactics and game play. Sports will depend on the availability of resources. Practical sessions also include developing sporting activities and First Aid (enabling students to obtain a First Aid Certificate). Theory consists of body systems, sports medicine, coaching skills, sport and society, fitness and interpersonal skills.

The Sport Industry Training package qualification holds the relevant units of competency for various sporting disciplines and allows students to obtain formal recognition from the government and community for their sporting discipline studies. Students will receive a Certificate II to help towards further employment and studies.

**Why Should I Choose This Course?**

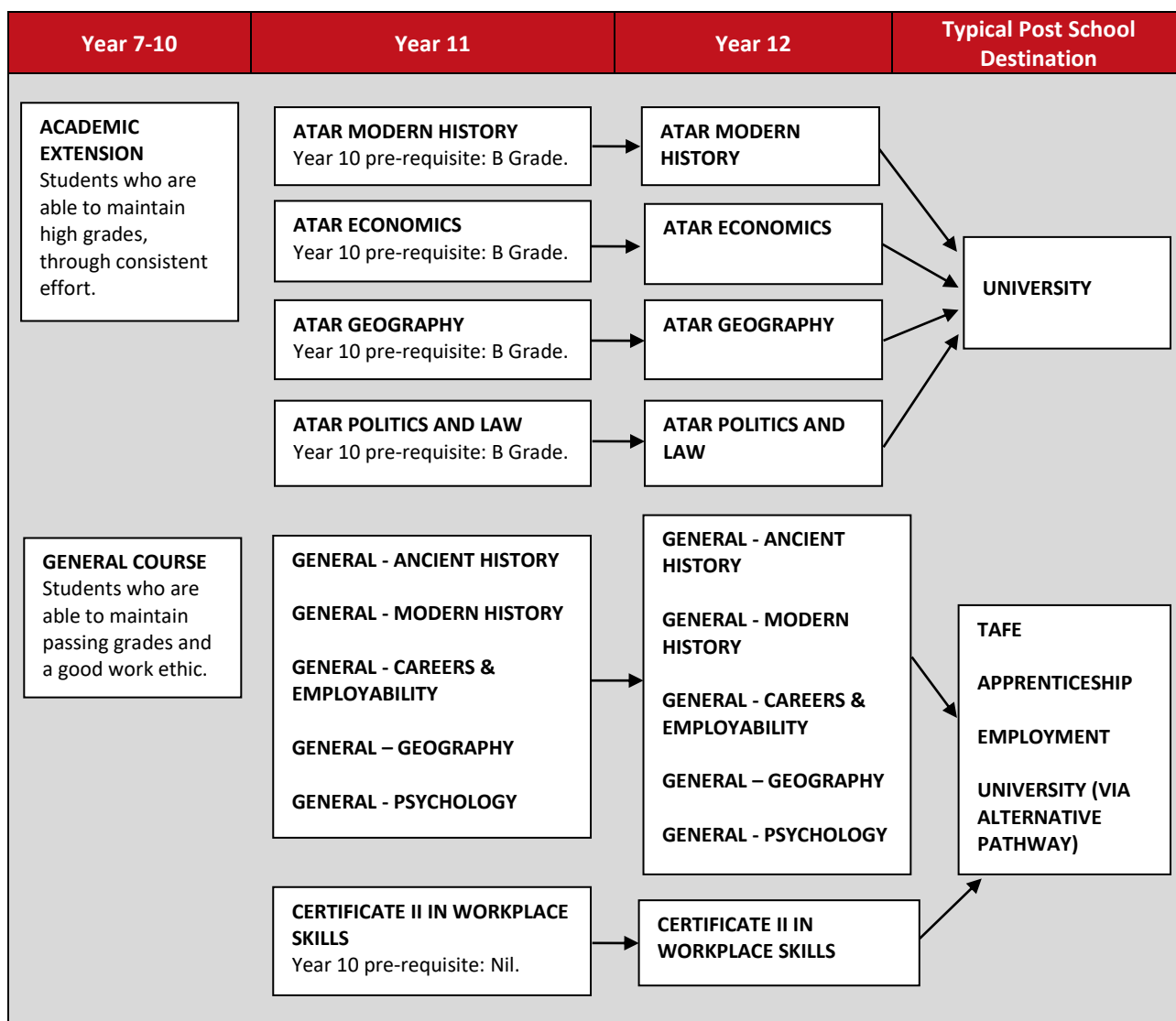
On successful completion of this qualification delivered over two years, students will receive their SIS20321 Certificate II in Sport Coaching. This course is offered under the auspices of Australian Institute of Education and Training RTO121314. Student and Parent information can be found on their website [www.aiet.edu.au](http://www.aiet.edu.au). In addition to this, students are satisfying School Curriculum and Standards Authority requirements.

CAREER POSSIBILITIES	FURTHER STUDY	
Leisure industry Fitness instructor Sports administrator Coaching Umpiring Armed Services	<b>TAFE</b> Certificate III Sports Coaching Some units can also be used for other TAFE packages.	<b>UNIVERSITIES</b> Bachelor of Social Science (Leisure Sciences) Bachelor of Social Science (Sports Management) Bachelor of Education (majoring) in Physical Education Bachelor of Education (Sports Science)

# HUMANITIES & SOCIAL SCIENCES LEARNING AREA

## Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only.



## Modern History ATAR Units 1 & 2

### Requirements

- Successful completion of Year 10 Humanities units with a minimum B grade.

### 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.

**Unit 1** – Understanding the Modern World: Capitalism – the American experience (1907–1941)

**Unit 2** – Movements for change in the 20<sup>th</sup> Century: Nazism in Germany



Texts: A variety of source material inclusive of original document study, newspaper articles, cartoons, various text and internet research.

### **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	<b>TAFE</b> Arts Media	<b>UNIVERSITIES</b> Arts Humanities Social Science Law Journalism Education Politics

## **Economics ATAR Units 1 & 2**

### **Requirements**

- Successful completion of Year 10 Humanities units with a minimum B grade.
- An interest in issues relating to both the Australian and international economy, with students expected to read daily quality broadsheet newspapers.

### **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.

**Unit 1 – Microeconomics:** A wide variety of markets are studied ranging from the stock market, oil prices and real estate prices, the role of firms in the market and market failure. The aim is to use real world examples to demonstrate economic theory. Students develop an understanding of their roles as consumers, potential business owners and owners of resources.

**Unit 2 – Macroeconomics** with particular attention to the Australian economy. Students explore issues such as economic growth, inflation and unemployment.

### **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	<b>TAFE</b> Business	<b>UNIVERSITIES</b> Bachelor of Commerce - Economics

## **Geography ATAR Units 1 & 2**

### **Requirements**

- Successful completion of Year 10 Humanities units with a minimum B grade.

### What Is It All About?

These units focus on hazards and impact minimization as well as sustainable development. These themes are explored through the context of earthquakes, volcanoes, tsunamis, and the global distribution of resources and wealth.

**Unit 1** is about Natural and ecological hazards. In this unit, students explore the management of hazards and the risk they pose to people and environments. Risk management is defined in terms of preparedness, mitigation and/or prevention.

**Unit 2** is about Global networks and interconnections. In this unit, students explore the economic and cultural transformations taking place in the world – the spatial outcomes of these processes and their social and geopolitical consequences – that will enable them to better understand the dynamic nature of the world in which they live.

### Why Should I Choose This Course?

GEOGRAPHY MATTERS!! It is really important that all students study Geography at school. Geography not only gives better spatial awareness so we know where things are but deals with the big issues - the only subject that gives the full picture on sustainable living, poverty, renewable energy, migration, urban regeneration, floods, droughts, cyclones and hazard management.

Geography offers exciting opportunities for fieldwork excursions to gain practical, hands-on knowledge of our surrounding environment. Excursions include John Forrest National Park to study bushfires, and Curtin University to experience GIS (geographical information systems) activities.

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	<b>TAFE</b> Electrical – Renewable Energy Tourism Community Development Building and Engineering Landscape Design Marine Studies	<b>UNIVERSITIES</b> Mining Engineering Architecture / Urban Planning Tourism Education Environmental Science Journalism

## Politics and Law ATAR Units 1 & 2

### Requirements

- Successful completion of Year 10 Humanities units with a minimum B grade.

### What Is It All About?

The Politics and Law ATAR course units focus on the processes of decision making concerning society's collective future.

**Unit 1 - Democracy and the rule of law:** This unit examines Australia's democratic and common law systems; a non-democratic system; and a non-common law system.

**Unit 2 - Representation and justice:** This unit examines representation, electoral and voting systems in Australia; justice in the Western Australian adversarial system and a non-common law system.

This course aims to develop the knowledge of the principles, structures, institutions and processes of political and legal systems primarily in Australia. It examines the principles practised in Australia and makes comparisons with other political and legal systems.

### **Why Should I Choose This Course?**

The skills and values developed in the Politics and Law ATAR course aim to allow students to become informed, active and effective participants in the political and legal decisions that affect their lives within society.

Studying Politics and Law prepares students for many forms of employment as well as further study. You will gain many analytical and practical skills including the ability to conduct research, oral and written communication and IT, all of which are invaluable in today's employment market and which will help you achieve at further education.

CAREER POSSIBILITIES	FURTHER STUDY	
Political Advocacy Teacher Lawyer Defence Forces Town Planner Public Administration International Relations Foreign Affairs Media/ Journalism Human Resource Management Government Commerce	<b>TAFE</b> Arts Media Commerce Public Administration	<b>UNIVERSITIES</b> Politics Law Architecture / Urban Planning Education Journalism Human resources Government Administration Commerce International Affairs History

## **Ancient History General Units 1 & 2**

### **Requirements**

- There are no prerequisites required for this course 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.

**Unit 1 – Ancient civilisations and cultures:** This unit enables students to investigate life in early civilisations, including the social, cultural, political, economic, religious, and military structures, and the significant values, beliefs, and traditions that existed. They discover how the world and its people have changed, as well as the significant legacies that exist into the present.

**Unit 2 – Power in the ancient world:** In this unit, students learn that in ancient societies key individuals have acted as agents of change, interacting with groups and institutions, and using their power to shape their society. They investigate key individuals' motives, the methods they used to achieve power, the ways they used their power, the responses of others to their use of power, and their impact and influence on society.

Topics include:

- Alexander the Great and Julius Caesar
- Late Bronze Age Greece and Troy

### **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, Archives, Teaching, Journalism, Local Government	<b>TAFE</b> Arts Journalism/Media	<b>UNIVERSITIES</b> Arts, Humanities, Social Science, Education, Journalism, Law, Politics

## Modern History General Units 1 & 2

### Requirements

- There are no prerequisites required for this course.

### 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.

**Unit 1 - People, place and time:** This unit allows students to become aware of the broad sweep of history and our place within the historical narrative. Students become aware of the values, beliefs and traditions within a society, the continuity between different societies and different time periods, and the importance of individuals within a time period.

**Unit 2 - Power and authority:** Students learn that societies consist of individuals and institutions that have various types of power and authority and that these interact with each other. Students learn how power and authority is distributed throughout a group or society, that individuals and groups seek to influence the structures of power and authority and the difficulties of using these structures in a just or equitable manner. In learning about the structures and institutions of societies, they make comparisons and judgements about other societies and their own society.

### 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	<b>TAFE</b> Arts Journalism/Media	<b>UNIVERSITIES</b> Arts Humanities Social Science Law Journalism Education Politics

## Careers and Employability General Units 1 & 2

### Requirements

- There are no prerequisites required for this course.

### What Is It All About?

**Unit 1** enables students develop their knowledge, understanding and skills associated with exploring work and career options.

**Unit 2** enables students to develop their knowledge, understanding and skills involved with preparing for and participating in entry level employment.

### Why Should I Choose This Course?

Careers and Employability 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	<b>TAFE</b> Commerce Media Public Administration Human Resources	<b>UNIVERSITIES</b> Bachelor of Commerce – Economics Teaching Political studies Business

## Geography General Units 1 & 2

### Requirements

- No prerequisites other than the ability to write in an extended answer format.

### 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.

**Unit 1 – Geography of environments at risk:** This unit explores the spatial patterns and processes related to environments at risk, and to the protection of such environments through management at local, regional and global levels.

**Unit 2 – Geography of people and places:** This unit explores the natural and cultural characteristics of a region and the processes that have enabled it to change over time and the challenges it may face in the future.

### 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. Excursions could include a camp at The Hills Centre. 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	<b>TAFE</b> Electrical – Renewable Energy Tourism Community Development Building and Engineering Landscape Design Marine Studies Tourism	<b>UNIVERSITIES</b> Mining Engineering Architecture/ Urban Planning Tourism Education Environmental Science Journalism

## Psychology General Units 1 & 2

### Requirements

- There are no prerequisites required for this course however, an interest in Psychology is beneficial.
- Please note, this is a two year course.

### What Is It All About?

Year 11 General Psychology introduces students to the fascinating science of human thoughts, emotions, and behaviour. Across Year 11, students build a strong foundation in psychological concepts, gaining insight into how personality, intelligence, brain function, and social influences all work.

**Unit 1** focuses on personality and intelligence, exploring major theories such as Freud's psychodynamic approach and Gardner's multiple intelligences. Students examine how culture shapes intelligence and how relationships – including parenting styles, peers, and media – impact human development. Communication skills, socialization, and ethical research methods are key components of this unit, which equips students with valuable tools for both future studies in health sciences and with their everyday lives.

**Unit 2** delves into the biological influences on behaviour, including the brain's structure, heredity, hormones, and the effects of physical activity and psychoactive substances. Developmental psychology explores Erikson's stages of psychosocial development and the role of nature and nurture in shaping personality. Students also study group behaviour, cultural attitudes toward mental health, and the formation of stereotypes, furthering their understanding of social psychology.

## BSB20120 - Certificate II in Workplace Skills

### Requirements

- None
- Please note, this is a two-year course.



### What Is It All About?

Certificate II in Workplace Skills is a dynamic course that provides students with real and transferable skills that will enable students to navigate the complex life and work environments that they will face in this ever increasingly competitive information age. Students will be introduced to the concepts of being 21st Century learners. They will develop a wide range of employable skills including the need to be flexible, self-directed, motivated and accountable individuals that value the need for lifelong learning.

Some typical activities students will encounter include:

- Producing tickets and certificates for school events, such as: river cruise, dinner dance, and/or the school ball.
- Producing and compiling digital information that can be used for the school website, the year 12 Year Book and/or the valedictory ceremony.
- Developing critical thinking skills for effective decision making in the design and production phase of important business documents, so that they meet current industry standards.

Over two years you must complete 10 units, which may include:

- Participation in OHS processes
- Communication skills
- Time management skills
- Sustainable work practices
- Wellbeing in the workplace
- Digital technologies
- Working effectively with others

### Why Should I Choose This Course?

This course provides students with the skills to be adequately equipped for placement in the workforce and gain skills to organise personal correspondence and handle everyday finances.

On successful completion of this qualification delivered over two years, students will receive their BSB20120 - Certificate II in Workplace Skills. This course is offered under the auspices of registered organisation: Skills Strategies International Pty Ltd RTO2401. The Learner Handbook can be downloaded from their website [www.skillstrategies.wa.edu.au](http://www.skillstrategies.wa.edu.au). In addition to this, students are satisfying School Curriculum and Standards Authority requirements.

CAREER POSSIBILITIES	FURTHER STUDY	
Administrative Assistant Information Desk Clerk Receptionist Office Junior Clerical Officer Trainee Manager Front Line Manager Information Officer Human Resources Office Manager Senior Manager Business Owner Entrepreneur	<b>TAFE</b> Certificate III in Business Certificate IV in Business Management Diploma in Business Management	<b>UNIVERSITIES</b> Bachelor of Commerce Bachelor of Business Bachelor of Social Science (Sports Management) Bachelor of Education (Secondary Teaching)



# MATHEMATICS LEARNING AREA

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

Students must select at least one Mathematics course.

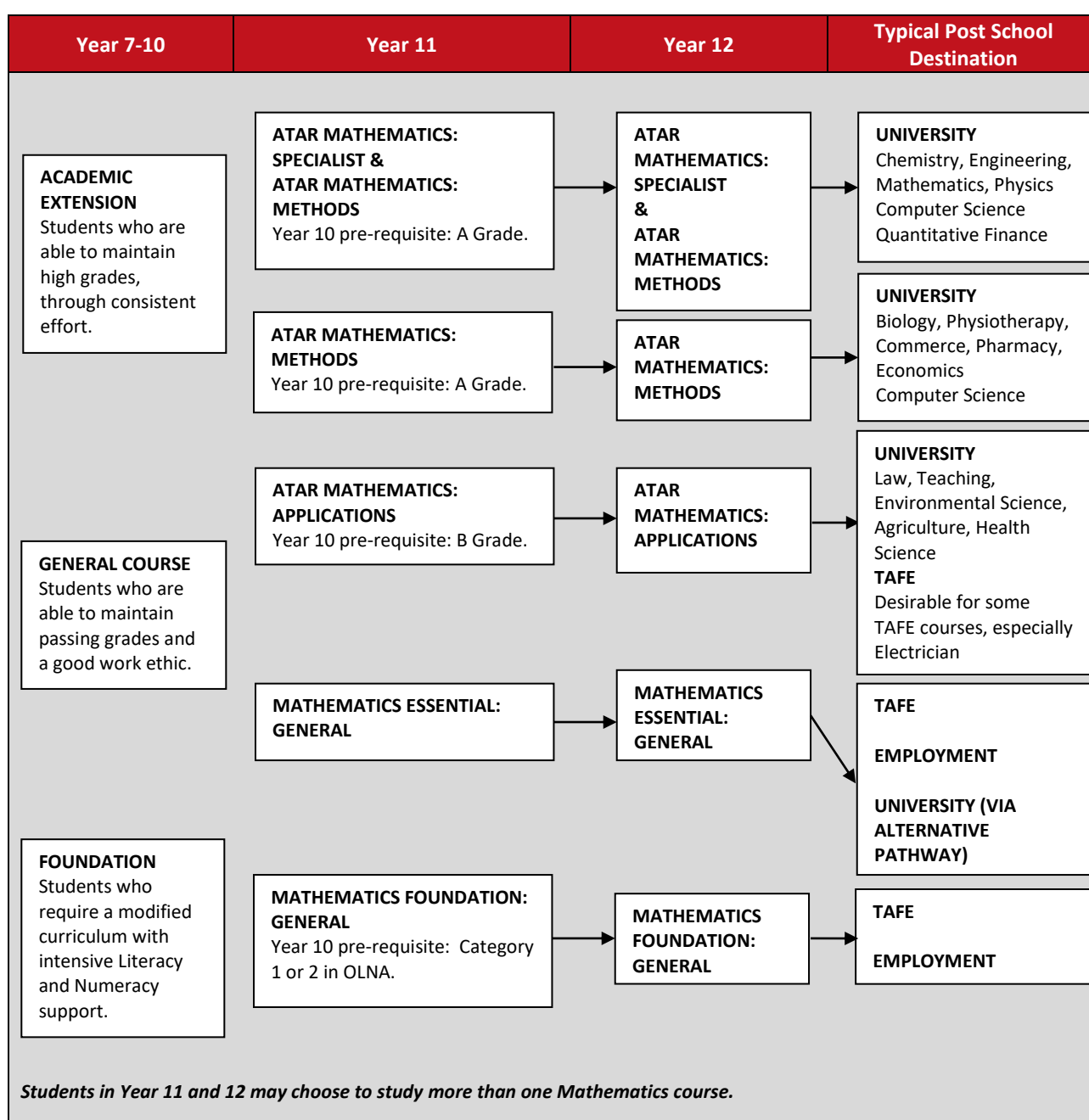
## Unacceptable Combination Rules

Previous unacceptable combination rules have been removed.

Students will be able to contribute all three ATAR Mathematics subjects toward their WACE, however only Mathematics Methods and the highest scaled score out of Mathematics Applications and Mathematics Specialist will be considered in ATAR calculations.

## Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only.



## Mathematics Foundation General Units 1 & 2

### Requirements

Students who have demonstrated the minimum standard of numeracy in Year 9 NAPLAN or Year 10 (via OLNA) are **not** eligible to enrol in Foundation Mathematics, unless they have not demonstrated the minimum standard of literacy.

Students who demonstrate the minimum standard of numeracy in Semester 1 of Year 11 are not eligible to continue in the Foundation courses in Semester 2 of that year unless they are yet to demonstrate the literacy standard.

Students who demonstrate the minimum standard of numeracy in Semester 2 of Year 11 or during Year 12 will be permitted to enrol in Foundation Mathematics in Year 12.

### 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.

COURSE CONTENT	
<b>Year 11 – Units 1 &amp; 2</b> <ul style="list-style-type: none"> <li>Whole numbers and money</li> <li>Addition and subtraction with whole numbers and money</li> <li>Length, mass and capacity</li> <li>Time</li> <li>Data, graphs and tables</li> <li>Understanding fractions and decimals</li> <li>Multiplication and division with whole numbers and money</li> <li>Metric relationships</li> <li>Perimeter, area and volume</li> <li>The probability of everyday events</li> </ul>	<b>Year 12 – Units 3 &amp; 4</b> <ul style="list-style-type: none"> <li>The four operations: whole numbers and money</li> <li>Percentages linked with fractions and decimals</li> <li>The four operations: fractions and decimals</li> <li>Location, time and temperature</li> <li>Space and design</li> <li>Rates and ratios</li> <li>Statistics and probability</li> <li>Application of the Mathematical Thinking Process</li> </ul>

### 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.	<b>TAFE</b> Many TAFE courses require basic numeracy skills	<b>UNIVERSITIES</b> Not applicable

## Mathematics Essential General Units 1 & 2

### Requirements

- Year 10 Mathematics.
- 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.

COURSE CONTENT	
<b>Year 11 – Units 1 &amp; 2</b> <ul style="list-style-type: none"><li>• Basic calculations, percentages and rates</li><li>• Using formulas for practical purposes</li><li>• Measurement</li><li>• Graphs</li><li>• Representing and comparing data</li><li>• Percentages</li><li>• Rates and ratios</li><li>• Time and motion</li></ul>	<b>Year 12 – Units 3 &amp; 4</b> <ul style="list-style-type: none"><li>• Measurement</li><li>• Scales, plans and models</li><li>• Graphs in practical situations</li><li>• Data collection</li><li>• Probability and relative frequencies</li><li>• Earth geometry and time zones</li><li>• Loans and compound interest</li></ul>

### 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.	<b>TAFE</b> Refer to TAFE handbook. Most courses require a minimum standard of Mathematics. This course satisfies the majority.	<b>UNIVERSITIES</b> Not applicable

## Mathematics Applications ATAR Units 1 & 2

### Requirements

- Year 10 Mathematics – B grade.
- May be combined with another Maths course.

### 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.

COURSE CONTENT	
<b>Year 11 – Units 1 &amp; 2</b> <ul style="list-style-type: none"><li>• Consumer arithmetic</li><li>• Algebra and matrices</li><li>• Shape and measurement.</li><li>• Univariate data analysis and the statistical investigation process</li><li>• Applications of trigonometry</li><li>• Linear equations and their graphs.</li></ul>	<b>Year 12 – Units 3 &amp; 4</b> <ul style="list-style-type: none"><li>• Bivariate data analysis</li><li>• Growth and decay in sequences</li><li>• Graphs and networks</li><li>• Time series analysis</li><li>• Loans, investments and annuities</li><li>• Networks and decision mathematics.</li></ul>

### 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. This course is particularly desirable for students wishing to become an electrician or plumber.

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

## Mathematics Methods ATAR Units 1 & 2

### Requirements

- Year 10 Mathematics – A grade.
- May be combined with another Maths course.

### 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.

COURSE CONTENT	
<b>Year 11 – Units 1 &amp; 2</b> <ul style="list-style-type: none"> <li>• Functions and graphs</li> <li>• Trigonometric functions</li> <li>• Counting and probability</li> <li>• Exponential functions</li> <li>• Arithmetic and geometric sequences and series</li> <li>• Introduction to differential calculus</li> </ul>	<b>Year 12 – Units 3 &amp; 4</b> <ul style="list-style-type: none"> <li>• Further differentiation and applications</li> <li>• Integrals</li> <li>• Discrete random variables</li> <li>• The logarithmic function</li> <li>• Continuous random variables and the normal distribution</li> <li>• Interval estimates for proportions</li> </ul>

### 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.

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

## Mathematics Specialist ATAR Units 1 & 2

### Requirements

- Year 10 Mathematics – A grade.
- Must be studied with Mathematics Methods.

### 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 ***should not be taken as a stand-alone course***.

COURSE CONTENT	
<b>Year 11 – Units 1 &amp; 2</b> <ul style="list-style-type: none"> <li>• Combinatorics</li> <li>• Vectors in the plane</li> <li>• Geometry</li> <li>• Trigonometry</li> <li>• Matrices</li> <li>• Real and complex numbers</li> </ul>	<b>Year 12 – Units 3 &amp; 4</b> <ul style="list-style-type: none"> <li>• Complex numbers</li> <li>• Functions and sketching graphs</li> <li>• Vectors in three dimensions</li> <li>• Integration and applications of integration</li> <li>• Rates of change and differential equations</li> <li>• Statistical inference</li> </ul>

#### **Why Should I Choose This Course?**

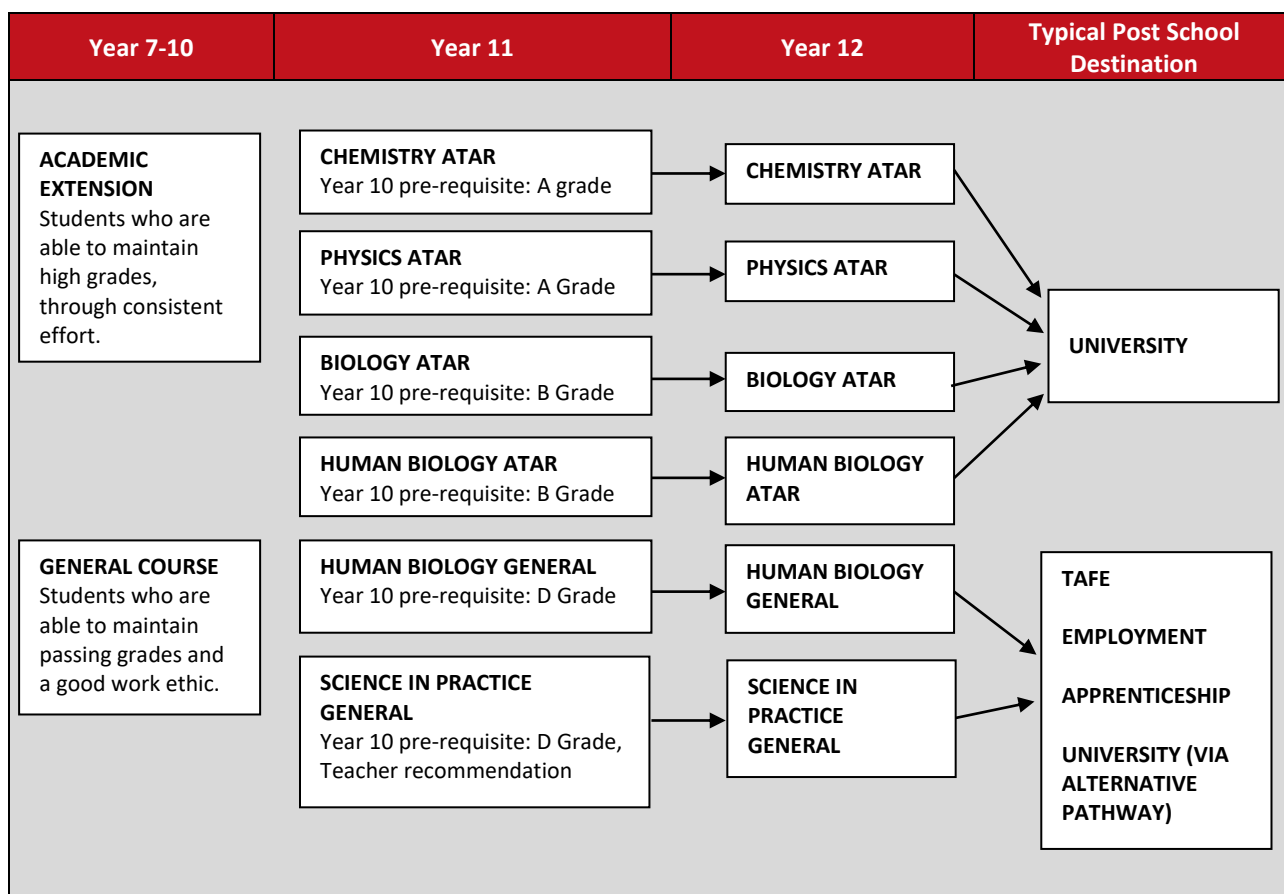
This course is designed for students with a strong interest in mathematics, including those intending to study mathematics, statistics, all sciences and associated fields, economics or engineering at university.

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

# SCIENCE LEARNING AREA

## Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only.



## Chemistry ATAR Units 1 & 2

### Requirements

- Minimum of an A grade in Year 10 Science (Extension Class) and a recommendation from your Science teacher.
- The study of Chemistry requires mathematical competence. It is desirable that students have also achieved an A grade in Year 10 Mathematics (Extension class).

### What Is It All About?

- Bonding theory and atomic structure
- Electron configuration
- Balancing equations
- Exothermic and endothermic reactions
- Activation energy and heat of reaction
- Ionic, Covalent Molecular and Covalent network substances
- Organic chemistry
- Acid/Base theory
- Oxidation/Reduction Processes
- Equilibrium
- pH, Concentration and Conductivity of Solutions
- Stoichiometric Calculations
- Collision theory
- Conservation of mass

### Why Should I Choose This Course?

Students who have an interest in chemistry and/or would like to pursue a career or further study in science or chemistry should select this course. Successful completion of the Year 11 Chemistry course provides suitable preparation for the Year 12 Chemistry course.



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

## Physics ATAR Units 1 & 2

### Requirements

- Minimum A grade in Year 10 Science (Extension Class), and a recommendation from your Science teacher.
- The study of Physics requires mathematical competence. It is desirable that students have also achieved an A grade in Year 10 Mathematics (Extension class).

### What Is It All About?

- Kinetic theory and thermodynamics
- Ionising radiation and nuclear reactions
- Radioactivity
- Nuclear reactions – fission and fusion
- Einstein's mass/energy relationship
- Electrical circuits
- Energy, power and resistance
- Electrical safety
- Linear motion and force
- Newtons Laws of Motion
- Vehicle safety and collisions
- Energy transfer by waves
- Characteristics of light and sound
- Applications including ultrasound and seismology

### Why Should I Choose This Course?

Students who have an interest in the physical world and/or would like to pursue a career or further study in the physical sciences area should select this course. Successful completion of the Year 11 Physics course provides suitable preparation for the Year 12 Physics course.

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

## Biology ATAR Units 1 & 2

### Requirements

- B grade or above in Year 10 Science plus recommendation from your Science teacher.

### What Is It All About?

- Classification
- Communities
- Cycling of matter
- Productivity in communities
- Population dynamics
- Requirements of living things
- Cell structure and function
- Exchange of materials
- Adaptations
- Cell division
- Reproduction
- Life cycles
- Principles of genetics
- Working as a biologist

### **Why Should I Choose This Course?**

This course provides a strong scientific background for all students. However, it is especially beneficial for students who have an interest in biology and the environment, and/or would like to pursue a career in the Biological Sciences. This course leads toward a WACE exam and ATAR.

CAREER POSSIBILITIES	FURTHER STUDY	
Veterinarian Marine Biologist Environmental scientist Zoologist Environmental Engineer Conservation Officer Veterinary Nurse	<b>TAFE</b> Marine Studies Outdoor Recreation (Marine Tourism) Applied Environmental Arts Environmental Science (Management) Indigenous Environmental Health Laboratory Operations Laboratory Techniques	<b>UNIVERSITIES</b> 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**

### **Requirements**

- Minimum of a B grade in Year 10 Science, and a recommendation from your Science teacher.

### **What Is It All About?**

- Cellular processes (metabolism and transport)
- DNA and differentiation
- Reproduction to infancy
- Reproductive technologies and environmental factors
- Skeletal, excretory systems
- Respiration, circulation, digestion, musculoskeletal, excretory systems
- Inheritance (autosomal, sex-linked, mutations, pedigrees, genetic testing, Human Genome Project)
- Mitosis and meiosis
- Scientific investigation of human biological issues

### **Why Should I Choose This Course?**

This course provides a strong scientific background for all students. It is especially beneficial for students who have an interest in the human body and/or would like to pursue a career in the Human Biological Science area.

Successful completion of the Year 11 Human Biology course provides suitable preparation for the Year 12 Human Biology ATAR course.

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

## **Human Biology General Units 1 & 2**

### **Requirements**

- D grade or above in Year 10 Science.

### **What Is It All About?**

The course explores how the human body works. It focuses on the cells, tissues and organs that work together to make up our major body systems. It also covers the human body's requirements for healthy living as well as

reproduction and pregnancy, and the various technologies available to treat associated disorders.

In **Unit 1: Healthy Body** students will study:

- Cells, tissues, organs, systems
- Respiratory system
- Circulatory system
- Digestive system and nutrition
- Urinary system
- Associated disorders and dysfunctions

In **Unit 2: Reproduction** students will study:

- DNA, genes and chromosomes
- Cell division
- Reproductive systems
- Pregnancy, birth and infancy
- Reproductive technologies
- Sexually transmitted infections

### **Why Should I Choose This Course?**

This stream has a strong focus on the human body and health for students with a particular interest in health sciences, sport, fitness, childcare or related fields.

CAREER POSSIBILITIES	FURTHER STUDY	
Fitness Instructor / Personal Trainer Police Officer Education Assistant Childcare worker Laboratory Technician Defence Forces Nurse	<b>TAFE</b> <b>Certificates and Diplomas in:</b> Fitness Sport development Sport and Recreation Early Childhood Ed and Care Individual Support Community Services Laboratory Operations Laboratory Techniques - Biological	<b>UNIVERSITIES</b> Bachelor of Science

## Science in Practice General Units 1 & 2

### **Requirements**

- D grade or above in Year 10 Science, or Teacher recommendation.

### **What Is It All About?**

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

In the topic of **Acids and Bases** students will study:

- Workplace health and safety
- Identification and properties of common acids and bases
- Uses of common acids and bases
- Environmental impacts relating to acids
- Acids and bases in the natural world

In the topic of **Wheels in Motion** students will study:

- Speed and acceleration
- Collisions
- Vehicle safety design
- Driver safety and road rules
- Friction, inertia and momentum
- Reaction time and stopping distance

### **Why Should I Choose This Course?**

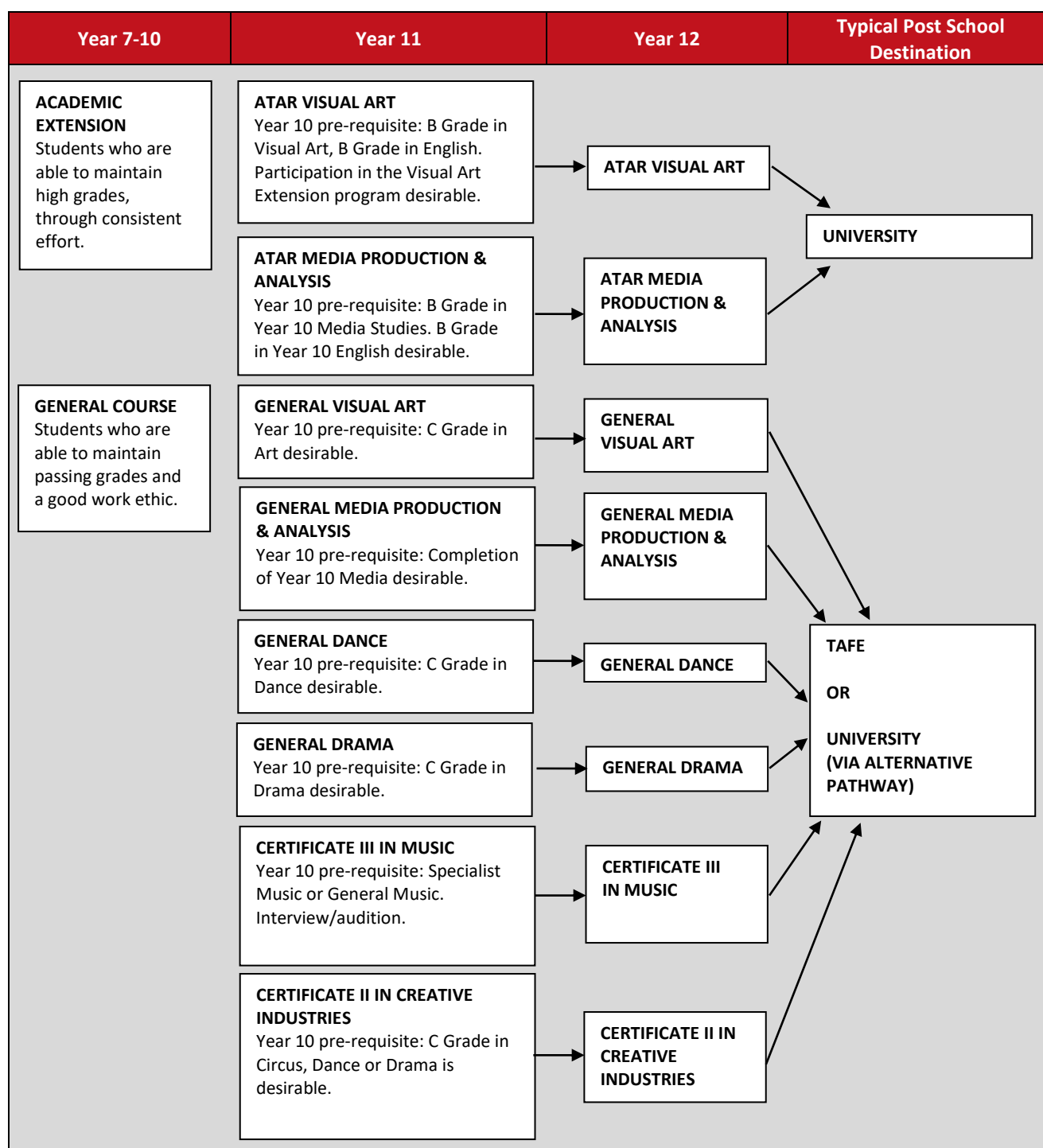
This course has a strong focus on the practical aspects of Science with applications to our everyday lives. It will appeal to students who enjoy Science experiments more than the theory, or those with a particular interest in chemistry and environmental sciences or the basic physics of motor vehicles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

CAREER POSSIBILITIES	FURTHER STUDY	
Police Officer Forensic Data Analyst Childcare Worker Laboratory Technician Defence Forces Veterinary Nurse Nurse	<b>TAFE</b> Laboratory Operations Laboratory Techniques Work Health and Safety Community Pharmacy Building and Construction Nutrition Logistics	<b>UNIVERSITIES</b> Bachelor of Science

# THE ARTS LEARNING AREA

## Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only.



## Visual Arts ATAR Units 1 & 2

### Requirements

B grade or higher in Year 10 Visual Art; B grade in Year 10 English is preferred but not essential.

### What Is It All About?

In the Visual Arts ATAR 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. The Visual Arts ATAR course allows students to develop aesthetic understandings and a critical awareness to appreciate and make informed evaluations of art through their engagement of their own art practice and the work of others.

### Why Should I Choose This Course?

This course will develop your abilities in creative and flexible thinking as well as learning how meaning can be created and recognise meaning from a broader range of symbols and nuances. This course leads to Visual Arts ATAR in Year 12.

CAREER POSSIBILITIES	FURTHER STUDY	
Artist Fashion Designer Illustrator Photographer Curator Art Teacher Art Historian Graphic Designer Gallery Assistant Art Critic Architect Production & Design (inc costume, design, props & scenery)	<b>TAFE</b> Various courses available in: Fashion and Textiles Visual Arts and Craft Graphic Arts Art Administration Furniture Industry and Interior Design Jewellery and Photography	<b>UNIVERSITIES</b> <b>Curtin University of Technology</b> Bachelor of Arts - Majoring in: Fine Art, Photography and Illustration Design, Fashion, Textiles, 3D Design, Digital Design, Interior Architecture or Creative Advertising and Graphic Design <b>University of Western Australia</b> Bachelor of Arts (Fine Arts) <b>Edith Cowan University</b> Bachelor of Arts (Contemporary Fashion and Textiles or Visual Arts) Bachelor of Production and Design

## Visual Arts General Units 1 & 2

### Requirements

- Successful completion of Year 10 Visual Art, Design and/or Wearable Art (C grade or above) is desirable.

### What Is It All About?

The Visual Arts General course is a highly practical course with students having the opportunity to engage in traditional, modern and contemporary media and techniques. The course promotes innovative practice. Students are encouraged to explore and represent their ideas. 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	<b>TAFE</b> Various courses available in: Fashion and Textiles Visual Arts and Craft Graphic Arts Arts Administration Furniture Industry and Interior Design Jewellery and Photography	<b>UNIVERSITIES</b> <b>Edith Cowan University</b> 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) <b>University of Western Australia</b>

Fashion Designer Textile Designer Artist Pattern Cutter Stylist Fashion Retail Illustrator/Animator Photographer Designer Production and Design		Bachelor of Arts majoring in Fine Arts <b>Curtin University of Technology</b> Bachelor of Arts - Majoring in: Fine Art, Photography and Illustration Design, Fashion, Textiles, Interior Architecture or Creative Advertising and Graphic Design
---	--	--

## Media Production & Analysis ATAR Units 1 & 2

### Requirements

Successful completion of and/or a 'B' grade or higher in Year 10 Media Studies, plus a B grade in Year 10 English is preferred.

### What Is It All About?

The ATAR Media Production and Analysis course is designed to enable students to participate in the future process of telling the stories of their lives and that of others. Students learn the skill to explore, experiment and interpret their world, while reflecting and analysing on contemporary life, the impact of media products and consider the important role of audiences. Through the production requirements students are able to demonstrate their understanding of the key concepts of media languages, representation, audience, skills and processes as well as express their creativity and originality. Students learn to make decisions about all aspects of production, including pre-production and post-production phases. This provides an opportunity for students to reflect on and discuss their own creative work, intentions and outcomes.

### 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 and the role this can play in the world.

CAREER POSSIBILITIES	FURTHER STUDY	
Journalism Web Design Graphic Designer Marketing/Advertising Film Production/Lighting Makeup/Costume and Effects	<b>TAFE</b> Certificate II in Creative Industries (Media) Certificate III in Creative Industries (Media) Certificate IV in Creative Industries (Media) Certificate IV in Communications and Media	<b>UNIVERSITIES</b> Bachelor of Communication Bachelor of Arts Bachelor of Creative Media

## Media Production & Analysis General Units 1 & 2

### Requirements

- Completion of Year 10 Media is 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	<b>TAFE</b> Certificate II in Creative Industries (Media) Certificate III in Creative Industries (Media)	<b>UNIVERSITIES</b> Bachelor of Communication Bachelor of Arts



Film Production/Lighting Advertising Makeup/Costume and Effects	Certificate IV in Creative Industries (Media) Certificate IV in Communications and Media	
---	---	--

## Dance General Units 1 & 2

### **Requirements**

Successful completion of Year 10 Dance (C Grade or above) 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	<b>TAFE</b> <b>Edith Cowan University WAAPA</b> Certificate III or IV in Dance Certificate IV in Dance Teaching and Management	<b>UNIVERSITIES</b> <b>Edith Cowan University WAAPA</b> Acting Arts Management Broadcasting Costume Dance Design Lighting Music Music Theatre Props & Scenery Sound Stage Management

## Drama General Units 1 & 2

### **Requirements**

Successful completion of Year 10 Drama (C Grade or above) is desirable.

### **What Is It All About?**

Students participate in a range of activities 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.	<b>TAFE</b> Edith Cowan University WAAPA	<b>UNIVERSITIES</b> Edith Cowan University WAAPA Murdoch UWA Curtin

### CUA20220 - Certificate II in Creative Industries

**Note: This is a two-year course.**

### Requirements

Successful completion of Year 10 Circus, Dance or Drama (C Grade or above) is desirable.

### What Is It All About?

If you have an interest in the Performing Arts and wish to continue to enhance your skills on and off the stage, then this course is for you. You will gain a nationally recognised qualification and WACE points as you continue your creative journey over Years 11 and 12. Developing your performing skills in Circus and Production whilst building your capacity to work with others and develop your knowledge of the arts industries.

This qualification reflects the role of individuals with the skills and knowledge to perform in a range of varied activities in the creative industries where there is a defined range of contexts. It applies to work in different work environments on and off the stage across the entertainment industries. This includes performance aspects, lighting and sound, staging and production organisation.

### Why Should I Choose This Course?

At the end of this course, you will attain a nationally recognised qualification that can be used on its own or towards applications for further studies. The RTO for this course will be advised at a later date.

CAREER POSSIBILITIES	FURTHER STUDY	
This course will give you a nationally recognised qualification at its completion.  Stage Manager Performer Lighting Assistant Events Management Teaching Communication roles	<b>TAFE</b>  <b>Central Institute of Technology</b>  <b>National Institute of Circus Arts (NICA)</b>	<b>UNIVERSITIES</b>  <b>Edith Cowan University WAAPA</b> Arts Management Lighting Stage Management Bachelor of Graduate Diploma in Education



**Note: This is a two-year course.**

### **Requirements**

- Successful completion of Year 10 Specialist Music.
- Students who did not complete Year 10 at CVC must sit a test and audition before entering this course.

### **What Is It All About?**

This course will help students understand how they can turn their love of music into a career or income stream in the music industry.

This qualification will provide them the knowledge of copyright requirements, how to maintain and apply music industry knowledge and follow health, safety and security procedures in the music industry. Students will be trained in practical musicianship and performance skills, be introduced to a range of music technologies, study music theory, musical styles and song writing and develop an understanding of the inner workings of the music industry. They will be provided with a selection of the following electives: performing music as a soloist, plan, preparing and presenting a live audition program, preparing for self-performance, maintaining and expanding music knowledge, and critical listening skills. At the completion of this course, students will have the theoretical and practical skills required to work in the music industry.

### **Why Should I Choose This Course?**

On successful completion of this qualification delivered over two years, students will receive their CUA30920 - Certificate III in Music – a nationally recognised qualification. This course is offered to students under the auspices of the College of Sound and Music Production RTO41549. Students and parents are welcome to contact the RTO for confirmation of this program by phone or email.

Phone: (03) 9592 4801

Email: [info@cosamp.edu.au](mailto:info@cosamp.edu.au)

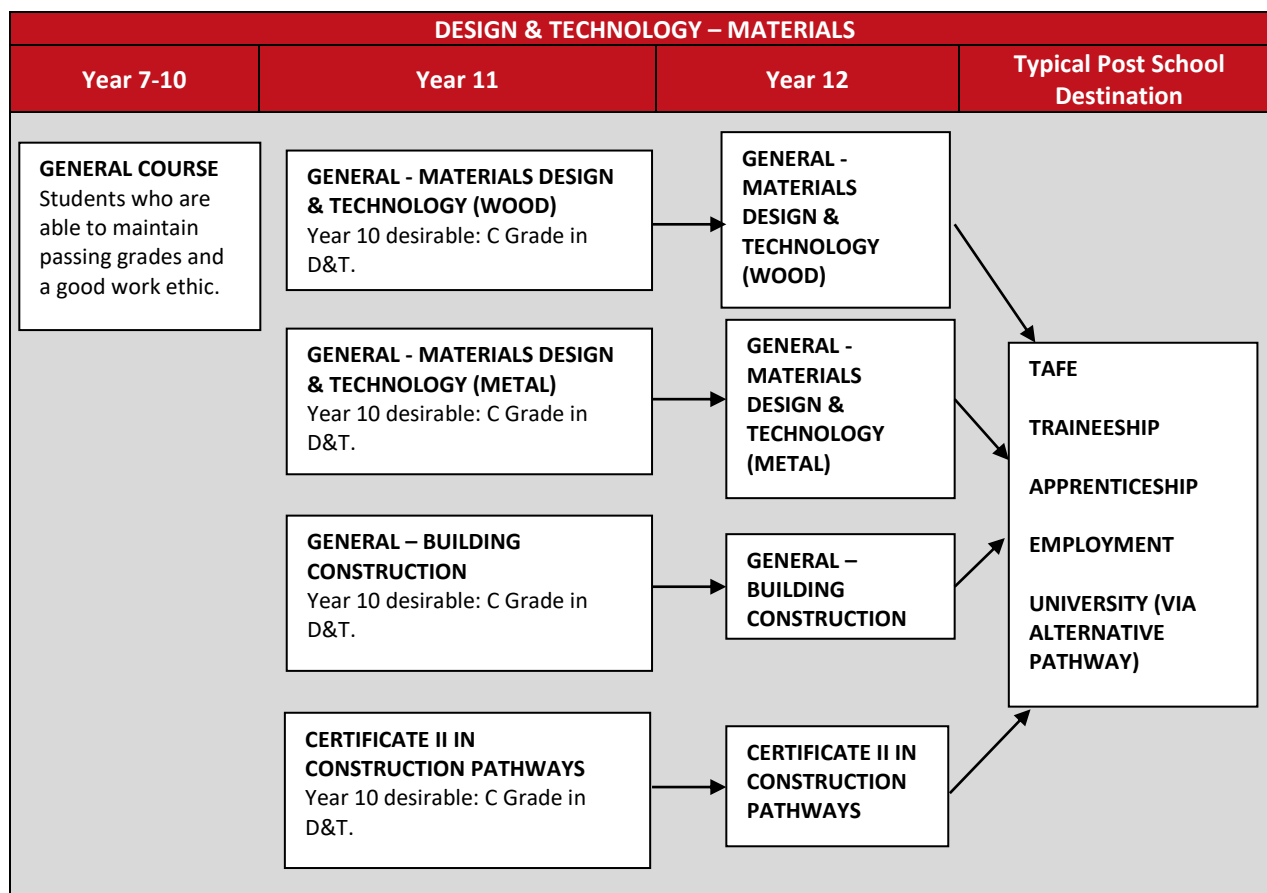
Website: [www.cosamp.com.au](http://www.cosamp.com.au)

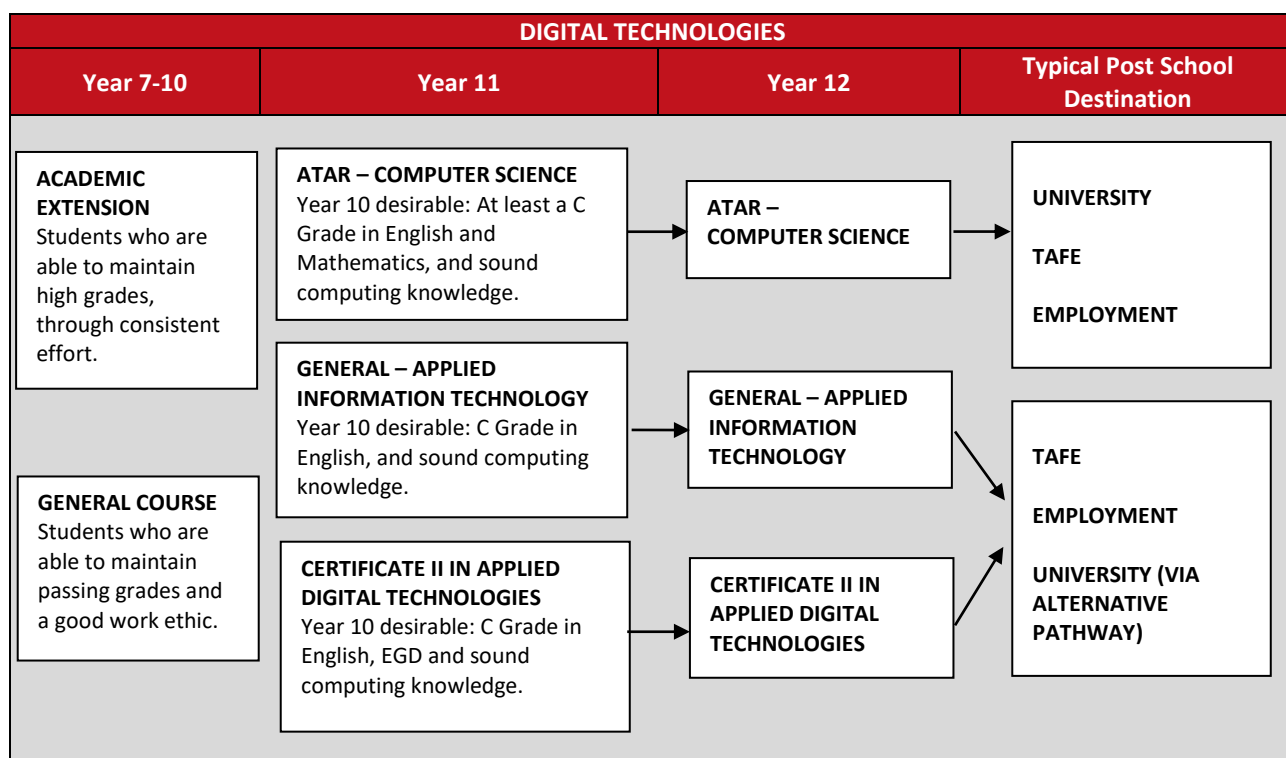
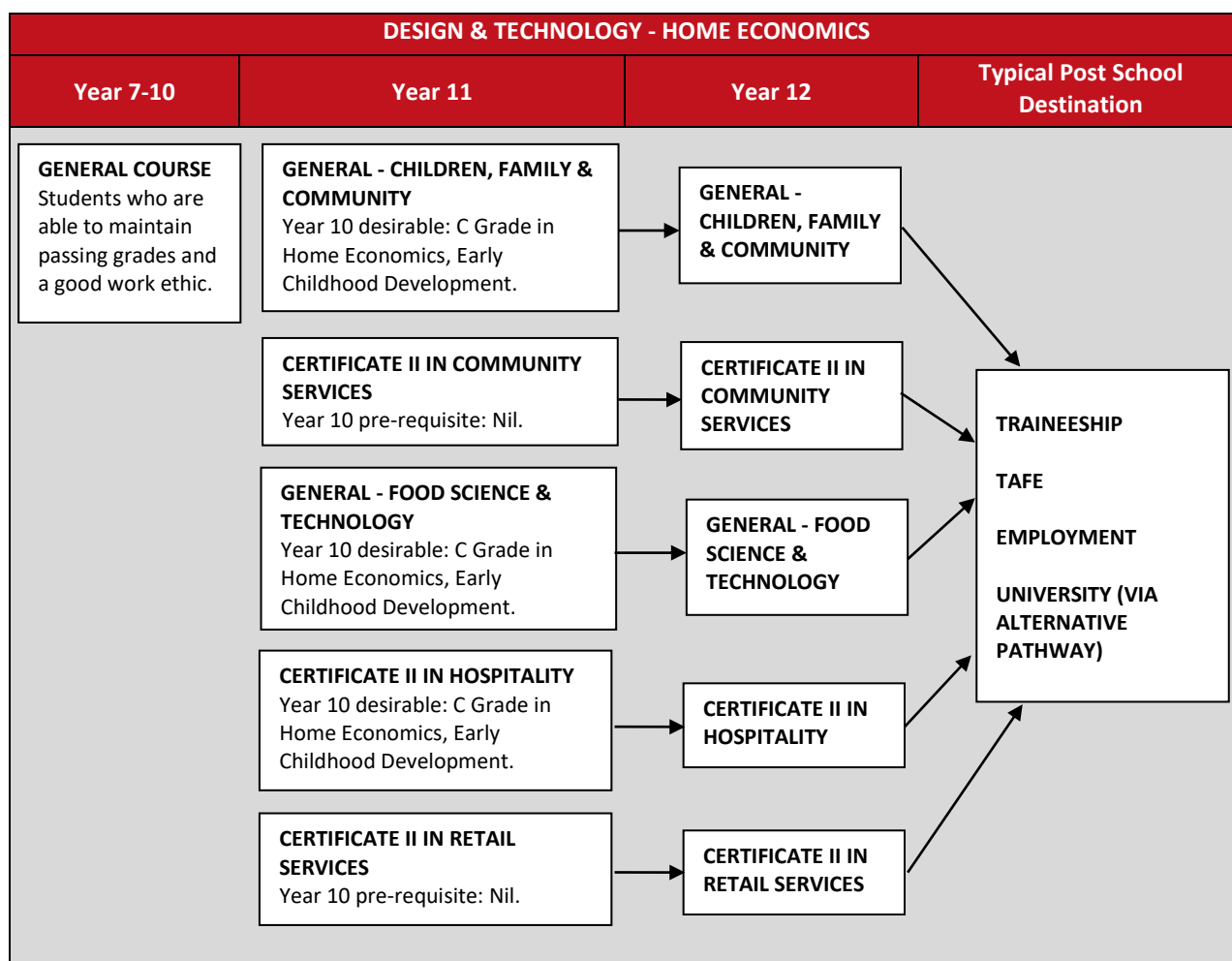
CAREER POSSIBILITIES	FURTHER STUDY	
Stage Manager, Sound Technician, Nightclub Manager, Music Store Manager, Music Store Salesperson, Instrument Sales Representative, Music Teacher, Production Music Writer, Session Musician, Background Singer, Songwriter, Music Journalist, Tour Manager, Tour Publicist, Sound Technician, Personal Manager, Booking Agent, Concert Promoter, Music Publisher, Record Producer, Recording Engineer, Assistant Engineer, Solo Artist, Songwriter, Band Member, Lighting Assistant, Composer	<b>TAFE</b> <b>Central Institute of Technology</b> Certificate III in Technical Production Certificate IV in Music Business Certificate IV in Sound Production Diploma of Music Diploma of Music Business Diploma of Sound Production	<b>UNIVERSITIES</b> <b>Edith Cowan University WAAPA</b> Arts Management Lighting Music Sound Stage Management Bachelor of Music Advanced Diploma of Music Double Degree - Bachelor of Arts (Creative Arts and Education) Bachelor of Graduate Diploma in Education

## TECHNOLOGIES LEARNING AREA

### Course Prerequisites & Student Pathways

All students, regardless of their pathways, need to strive to achieve to their potential. Below is a list and details on such pathways, to be used as a typical guide only.





## Building & Construction General Units 1 & 2

### Requirements

- Although there are no prerequisites for this course, it is desirable students demonstrate at least a C grade in Year 10 Design and Technology or equivalent.

### What Is It All About?

The focus for this unit is introduction to building and construction. The unit explores properties of common construction materials. Basic plan reading is practiced with application in building, as well as skills in areas of content, such as working with materials. The unit explores processes drawn from building projects. A variety of materials are worked with and a range of practical skills are developed.

### Why Should I Choose This Course?

Successful completion of this course provides students with the opportunity to gain an apprenticeship in the building trade. This course gives students a general introduction into building construction practices and builds their skill base for possible apprenticeship entry.

CAREER POSSIBILITIES	FURTHER STUDY
All trades	Certificate I – V in General Construction

## CPC20220 – Certificate II in Construction Pathways



### Requirements

- Although there are no prerequisites for this subject, it is desirable students demonstrate at least a C grade in Year 10 Design and Technology or equivalent.

### What Is It All About?

The qualification has core units of competency that are required in many Certificate III qualifications. The elective options are structured to allow choice from a range of units aligned at Certificate III level and in total could provide meaningful credit in a construction industry Australian Apprenticeship.

Units may include:

- Use construction tools and equipment
- Apply basic levelling procedures
- Carry out concreting to simple forms
- Work effectively and sustainably in the construction industry
- Plan and organise work
- Conduct workplace communication
- Carry out measurements and calculations
- Read and interpret plans and specifications
- Apply WHS requirements, policies and procedures in the construction industry

### Why Should I Choose This Course?

Successful completion of this course provides students with the opportunity to gain an apprenticeship in the building trade. This course gives students a general introduction into building construction practices and builds their skill base for possible apprenticeship entry. This course is offered under the auspices of registered training organisation: Skill Hire RTO#0361. Parent and student information can be downloaded from their website: [www.skillhire.com.au](http://www.skillhire.com.au)

CAREER POSSIBILITIES	FURTHER STUDY
All trades	Certificate I – V in General Construction

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

### Requirements

- Although there are no prerequisites for this subject, it is desirable that students demonstrate at least a C grade in Year 10 Design and Technology or equivalent.

### What Is It All About?

- Use an array of manipulative skill processes and techniques. There are a number of set projects which will enhance the students' skills in bench work, sheet metal fabrication, welding and machining.
- Design techniques for alloys and pure metals.
- Projects such as storage containers, production of small hand tools, toolboxes, office products, basic furniture and outdoor/garden projects.

### Why Should I Choose This Course?

Besides leading to employment opportunities in the metal and engineering industries this course will also develop skills transferable to home handyman situations.

CAREER POSSIBILITIES	FURTHER STUDY	
Fitting and Turning Machinist Mechanical Fitter Boilermaker Blacksmith Electroplater Engineering Pattern Maker Foundry Worker Sheet metal Worker Welder- First Class	<b>TAFE</b> 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	<b>UNIVERSITIES</b> Bachelor of Engineering

## Wood – Material Design & Technology General Units 1 & 2

### Requirements

- Although there are no prerequisites for this subject, it is desirable that students demonstrate at least a C grade in Year 10 Design and Technology or equivalent.

### 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. Suggested projects include small personalised furniture items, household products or frame construction 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	<b>TAFE</b> Certificate II in Furnishings Certificate III in Furnishings Certificate IV in Furnishings Carpentry Apprenticeship	<b>UNIVERSITIES</b> Bachelor of Engineering Bachelor of Arts

## Children, Family & Community General Units 1 & 2

### Requirements

- Although there are no prerequisites for this subject, it is desirable students demonstrate at least a C grade in Year 10 Home Economics or Early Childhood Development.

### **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.

Students will have an opportunity to care for a virtual baby, develop practical resources for new parents and interact with children using the College's play facility for children. This course is an excellent choice for students with a genuine interest in children and for those planning a career working with 0–5-year-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	<b>TAFE</b> 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	<b>UNIVERSITIES</b> Bachelor of Education Bachelor of Social Work Bachelor of Health Science Bachelor of Nursing

## **CHC22015 - Certificate II in Community Services**



**Note: This is a two-year course.**

### **Requirements**

- None

### **What Is It All About?**

This qualification will provide students with the practical skills and knowledge to assist in the social, physical and educational needs of infants and young children. Students will experience an introductory course in childcare.

Over two years you must complete 11 units, which may include:

- Prepare for work in the Community Services Industry
- Communicate with people accessing the services of the organisation
- Follow the organisation's policies, procedures and programs
- Interact effectively with children
- Communicate with children
- Care for children
- Ensure children's health and safety
- Follow OHS procedures
- Contribute to provision of nutritionally balanced food in a safe and hygienic manner
- Work with others

### **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.

On successful completion of this qualification delivered over two years, students will receive their CHC22015 - Certificate II in Community Services. This course is offered under the auspices of registered training organisation: Ripponlea Institute (Pty) Ltd RTO#21230. Student and Parent information can be found on their website [www.ripponleainstitute.com](http://www.ripponleainstitute.com) . In addition to this, students are satisfying School Curriculum and Standards Authority requirements.



CAREER POSSIBILITIES	FURTHER STUDY	
Childcare worker Out of school care worker Recreation centre worker Childcare centre manager Social Worker Child Psychologist	<b>TAFE</b> 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	<b>UNIVERSITIES</b> 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

- Although there are no prerequisites for this course, it is desirable that students demonstrate at least a Grade C in Year 10 Home Economics or Early Childhood Development.

### 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, Pastry Chef Food Stylist Barista Bar Manager Duty Manager Hotel Manager Housekeeper Restaurant Manager	<b>TAFE</b> Certificate III in Hospitality Diploma of Hospitality	<b>UNIVERSITIES</b> Bachelor of Business (Hospitality Management)

## SIT20322 - Certificate II in Hospitality

This is a two-year course delivered at Canning Vale College in a fully equipped Industrial Kitchen.

Resources: All materials and equipment will be provided to the students.

Fees: \$405 to cover the cost of resources.



### Requirements

- Although there are no prerequisites for this subject, it is desirable that students demonstrate at least a C grade in Year 10 Home Economics or Early Childhood Development.
- Students are required to complete 120 hours of workplace learning in the hospitality and service industry.

### 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 delivered over two years, students will receive their SIT20322 - Certificate II in Hospitality. This course is

offered under the auspices of registered training organisation: VET Education, Food Futures RTO#45732. Student and Parent information can be downloaded from their website [www.vegeducation.com](http://www.vegeducation.com).

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

## SIR20216 – Certificate II in Retail Services



**Note: This is a two-year course.**

### Requirements

- There are no prerequisites for this course.

### What Is It All About?

This qualification reflects the role of frontline retail team members who use a defined and limited range of operational skills to undertake workplace activities. They are involved in mainly routine and repetitive tasks and work under direct supervision of others. This qualification provides a pathway to work in a diverse range of retail settings including speciality retailers, supermarkets, department stores and quick service restaurants.

Examples of the Units of Competency studied are:

- Engage the customer
- Communicate in the workplace to support team and customer outcomes
- Work effectively in a team
- Organise and maintain the store environment
- Advise on products and services
- Identify and respond to security risks
- Use strategies to respond to routine workplace problems
- Organise personal work requirements
- Contribute to workplace health and safety
- Manage disrespectful, aggressive, or abusive customers

### Why Should I Choose This Course?

On successful completion of this qualification delivered over two years, students will receive their SIR20216 - Certificate II in Retail Services. This course is offered under the auspices of registered training organisation: Skills Strategies International RTO2401. Further information can be found on their website [www.skillstrategies.wa.edu.au](http://www.skillstrategies.wa.edu.au). In addition to this, students are satisfying School Curriculum and Standards Authority requirements.

CAREER POSSIBILITIES	FURTHER STUDY	
Sales Assistant Customer Service Assistant Point-of-sale Operator Shop Assistant	<b>TAFE</b> Certificate III in Retail Services Certificate IV in Retail Services	<b>UNIVERSITIES</b> Bachelor of Business Administration Bachelor of Business Commerce

## Computer Science ATAR Units 1 & 2

### Requirements

- It is desirable that students should demonstrate at least a 'C' grade in English and Mathematics and have sound computing knowledge. It is beneficial if they studied ICT or EGD in Year 9 and/or 10 to have acquired basic programming knowledge.

### What Is It All About?

The Computer Science ATAR course builds on the core principles, concepts and skills developed in the Digital Technologies subject in previous years. Students utilise and enhance established analysis and algorithm design skills to create innovative digital solutions to real-world problems. In addition to the development of software, the essential concepts of networking, data management and cyber security are explored. With the vast amounts of data collected in our increasingly digital world, especially in the information-intensive business and scientific disciplines, data management is becoming essential. Similarly, with more and more devices connecting to the internet, cyber security is a major issue for society, and the world continues to look for new, young experts to emerge in this field.

### Why Should I Choose This Course?

Gain further employment in the computing industry. Further studies available at University and TAFE.

CAREER POSSIBILITIES	FURTHER STUDY	
Software Developer Cyber Security Officer Network Support Officer Network Analyst Network Manager Security Analyst Network Designer Integration Centre Specialist Systems Engineer Intranet Engineer	<b>TAFE</b> Certificate IV in IT (Programming) Certificate III in IT Certificate IV in IT Diploma of IT	<b>UNIVERSITIES</b> Bachelor of Computer Science Bachelor of Software Engineering Bachelor of Data Science Bachelor of Cyber Security Bachelor of Technology (Computing) Bachelor of Information Systems

## Applied Information Technology General Units 1 & 2

### Requirements

- Although there are no prerequisites for this subject, it is desirable that students should demonstrate at least a C grade in English and have a sound computing knowledge.

### What Is It All About?

The Applied Information Technology General course provides students with the knowledge and skills to use a range of computer hardware and software to create, manipulate and communicate information in an effective, responsible and informed manner. Students develop an understanding of computer systems; the management of data; and use a variety of software applications to investigate, design, construct and evaluate digital products and digital solutions. The course offers pathways to further studies and a range of technology-based careers and a set of skills that equip students for the 21<sup>st</sup> century and give them an appreciation of the impact of information technology on society.

### Why Should I Choose This Course?

Gain further employment in the computing industry. Further studies at TAFE. Can lead to ATAR and University entrance.

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	<b>TAFE</b> Certificate III in IT Certificate IV in IT Diploma of IT	<b>UNIVERSITIES</b> Bachelor of Technology (Computing) Bachelor of Information Systems

**Note: This is a two-year course.**

### **Requirements**

- Although there are no prerequisites for this subject, it is desirable that students demonstrate at least a C grade in Year 10 ICT, Web Design and Animation or Electronic Game Design.

### **What Is It All About?**

This qualification will provide students with the foundation skills and knowledge to use basic applied digital technologies in varied contexts. The qualification is designed for those developing the necessary digital and technology skills in preparation for work.

Examples of the Units of Competency studied are:

- Contribute to the health and safety of self and others
- Operate application software packages
- Use computer operating systems and hardware
- Install software applications
- Use digital technologies to communicate in a work environment
- Develop solutions for basic ICT malfunctions and problems
- Maintain ICT equipment and replace consumables

### **Why Should I Choose This Course?**

On successful completion of this qualification delivered over two years, students will receive their ICT20120 - Certificate II in Applied Digital Technologies. This course is offered under the auspices of registered training organisation: Skills Strategies International RTO2401. Further information can be found on their website [www.skillstrategies.wa.edu.au](http://www.skillstrategies.wa.edu.au). In addition to this, students are satisfying School Curriculum and Standards Authority requirements.

CAREER POSSIBILITIES	FURTHER STUDY	
Computer Technician Software Engineer Computer Engineer Computer Hardware Technician Computer Systems Officer Computer Scientist Game Designer Graphic Artist Most Apprenticeships	<b>TAFE</b> Certificate III in IT Certificate IV in IT Diploma of IT	<b>UNIVERSITIES</b> Bachelor of Computing (ICT) Bachelor of Computing (Multimedia Design)

# VOCATIONAL EDUCATION & TRAINING (VET)

## 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 is not compulsory for students. However, there may be a compulsory workplace learning component in Certificate II in Hospitality. If you choose this course, you must also choose workplace Learning. Workplace Learning contributes towards the WACE.

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 work place 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. Enrolment into ADWPL costs \$50 per year.

### Part Time/Casual Employment Work Hours

Students have authorisation from the school to use their currently rostered part time or casual employment hours to contribute towards their workplace learning. A Registration form (collected from the VET/WPL office) needs to be signed by the employer and submitted by the student to the WPL Coordinator. A logbook will be issued to the student when the form is returned to school. Students will be required to enrol in ADWPL.

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.

## School Based Traineeship or Apprenticeship (SBT/SBA)

Students can take part in SBT's or SBA's which allow them to take part in an apprenticeship or traineeship while completing their 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 are 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 and must be work ready.