

**DALYELLUP COLLEGE**  
**2017**  
**YEAR 12**  
**COURSE SELECTION**  
**HANDBOOK**



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NOTE: Course charges as listed are a guide only for 2017. Inflation, changing costs and curriculum changes may change actual course charges for 2017. Final charges will be published in the 2017 Charges and Voluntary Contributions Booklet which will be distributed by 1 December 2016. Please note that subject charges are compulsory.

## PRINCIPAL'S STATEMENT

This Senior School Course Handbook will provide students with the relevant information to help them make decisions about the course of study they will need in Year 12 to achieve their desired career pathway or enable them to select from a range of career choices. Students will need to select from a broad range of courses that suit their interest, ability level and future needs. These are important decisions that need to be thought through carefully and discussed with parents, teachers, career counsellors and anyone else who can provide relevant advice.

When deciding your choices it is important to make sure that you complete your research carefully making sure that you have all the pre-requisite courses and grades in your current year level to successfully complete the course. You also need to research carefully what Year 12 courses you need to complete and the grade levels you need to achieve to reach your desired career pathway or entry requirements for further education in a particular university, TAFE course or other educational institution. Further information can be obtained from relevant university, TAFE or career based websites or you can seek advice from your teachers or year coordinator.

The courses offered at Dalyellup College in Senior School allow for four pathways. These include courses that can lead to a university pathway or further education, a pathway towards a WACE certificate and employment and a pathway in vocational education that could lead to employment, a traineeship, apprenticeship or further education at TAFE or other vocational education institutions. Dalyellup College also provides a course pathway for students with special needs.

Most importantly please make sure that you take the time to make informed decisions because what you decide here is helping to determine your future. I wish you all the best with your choices and hope that this will enable you to achieve your goals.

Jeff Macnish

Principal



# THE WESTERN AUSTRALIAN CERTIFICATE OF EDUATION (WACE) FOR STUDENTS STARTING YEAR 12 IN 2017 SECONDARY GRADUATION

The WACE is a certificate that demonstrates significant achievement over Years 11 and 12.

## THE WACE REQUIREMENTS

Achievement of your WACE acknowledges that at the end of your compulsory schooling you have achieved or exceeded the required minimum standards in an educational program that has suitable breadth and depth.

To achieve a WACE a student must satisfy the following:

### General requirements

- demonstrate a minimum standard of literacy and a minimum standard of numeracy based on the skills regarded as essential for individuals to meet the demands of everyday life and work in a knowledge-based economy
- complete a minimum of 20 units or equivalents as described below
- complete four or more Year 12 ATAR courses or complete a Certificate II or higher.

### Breadth and depth

Students will complete a minimum of 20 course units or the equivalent. This requirement must include at least:

- a minimum of 10 Year 12 units or the equivalent
- two completed Year 11 English units and one pair of completed Year 12 English units
- one pair of Year 12 course units from each of List A (arts/languages/social sciences) and List B (mathematics/science/technology).

### Achievement standard

Students will be required to achieve 14 C grades (or equivalents, see below) in Year 11 and Year 12 units, including at least six C grades in Year 12 units (or equivalents).

Unit equivalence can be obtained through Vocational Education and Training (VET) programs and/or endorsed programs. The maximum unit equivalence available through these programs is eight units – four Year 11 units and four Year 12 units. Students may obtain unit equivalence as follows:

- up to eight unit equivalents through completion of VET programs, **or**
- up to four unit equivalents through completion of endorsed programs, **or**
- up to eight unit equivalents through a combination of VET and endorsed programs, but with endorsed programs contributing no more than four unit equivalents.

The amount of unit equivalence allocated to VET and endorsed programs is as follows:

- VET qualifications
  - Certificate I is equivalent to two Year 11 units
  - Certificate II is equivalent to two Year 11 and two Year 12 units
  - Certificate III or higher is equivalent to two Year 11 and four Year 12 units
- Endorsed programs – unit equivalence is identified on the Authority's approved list of endorsed programs.

There are four types of courses developed by the Authority (see Appendix 1 for a list of courses offered at Dalyellup College in 2017):

1. ATAR course units for students who are aiming to enrol in a university course direct from school. These courses will be examined by the Authority and contribute to the achievement of an Australian Tertiary Admission Rank (ATAR).
2. General course units for students who are aiming to enter further training or the workforce directly from school. These courses will not be examined by the Authority
3. Foundation course units for those who need additional help in demonstrating the minimum standard of literacy and numeracy.
4. Preliminary course units for those who may need modification to the curriculum to meet their special needs. Preliminary courses do not contribute to the achievement of a WACE.

There are two types of programs which can contribute to the WACE:

1. VET programs
2. Endorsed programs

You can mix and match these options to provide yourself with the best platform to meet the requirements to achieve your WACE – and for life beyond school.

In Year 10, you have the opportunity to choose what you will study in Years 11 and 12. Appendix 2 provides a summary of each course offered at Dalyellup College in 2017.

## ACHIEVEMENT OF A WACE

Courses units/programs from these groups contribute to the achievement of a WACE: ATAR, General, Foundation, VET programs and endorsed programs. Preliminary course units do not contribute to the achievement of a WACE.

WACE courses are grouped into List A (arts/languages/social sciences) and List B (mathematics/science/technology). Students studying for a WACE are required to select at least one Year 12 course from each of List A and List B.

Appendix 2 provides a summary of each course. Have a read to see which courses available at your school interest you most.

## LIST A AND B COURSES OFFERED AT DALYELLUP COLLEGE IN 2017

List A (arts/languages/social sciences)	List B (mathematics/science/technology)
Career and Enterprise	Applied Information Technology
Chinese language courses	Automotive Engineering and Technology
Drama	Biology
English	Chemistry
Geography	Design Graphics
Health Studies	Design Technical Graphics
Media Production & Analysis	Food Science & Technology
Modern History	Human Biology
Visual Arts	Materials Design and Technology - Wood
	Mathematics
	Mathematics Specialist
	Outdoor Education
	Physical Education Studies
	Physics
	Psychology

Dalyellup College offers courses that meet the needs and interests of our students in line with the resources we have available.

You are able to select across a range of course units at a range of cognitive levels to suit your skills and post-school aspirations. If you think you will be heading to university once you finish Year 12, you should enrol in at least four ATAR courses to be eligible for an ATAR. The rank is used by universities as a selection mechanism. More information about the ATAR is available at <http://www.tisc.edu.au/static/guide/atar-about.tisc?cid=12862>.

If you do not complete the course requirements to achieve an ATAR you will need to achieve a minimum of a Certificate II qualification.

Each course has four units – Unit 1 and Unit 2 (Year 11 units) and Unit 3 and Unit 4 (Year 12 units). Unit 1 and Unit 2 **can** be studied as a pair. Unit 3 and Unit 4 **must** be studied as a pair.

Permission for a student to change courses is a school decision; however, for a student to achieve course unit credits, a change can only be made early in Year 12, before the cut-off date set by the Authority; or in Year 11 after the completion of Unit 1, or at the end of Year 11 after the completion of Unit 2.

### THE WESTERN AUSTRALIAN STATEMENT OF STUDENT ACHIEVEMENT (WASSA)

A WASSA is issued to all Year 12 students who complete any study that contributes towards a WACE. It lists all courses and programs students have completed in Year 11 and 12.

### LITERACY AND NUMERACY

There are two parts to demonstrating competence in literacy and numeracy. Firstly, you are required to complete two Year 11 English units and a pair of Year 12 English units.

Secondly, you must demonstrate that you have met the minimum standard for literacy and numeracy, which is based on skills regarded as essential for individuals to meet the demands of everyday life and work.

You can demonstrate the minimum standard:

- through the Authority's Online Literacy Numeracy Assessment (OLNA), or
- if you demonstrate Band 8 or higher in your Year 9 NAPLAN, Reading, Writing and Numeracy tests.

The OLNA is compulsory for those students who have not prequalified in one or more of the components through Year 9 NAPLAN and want to achieve the WACE. Students will have up to six opportunities (two per year) between Year 10 and Year 12 to demonstrate the literacy and numeracy minimum standard.

There are three assessment components:

- one 60-minute, 60-item multiple-choice of Reading
- one 60-minute, 60-item multiple-choice of Numeracy, and
- one 60-minute, extended response in Writing of between 300 and 600 words.

## ENROLMENT CRITERIA FOR FOUNDATION COURSE UNITS AND PRELIMINARY COURSE UNITS

### FOUNDATION COURSE UNITS

At Dalyellup College students who have not demonstrated the minimum standard in the literacy component of the OLN are eligible to enrol in the List A Foundation courses: English Foundation course and the Career and Enterprise Foundation course.

Students who have not demonstrated the minimum standard in the numeracy component of the OLN are eligible to enrol in the List B Foundation courses: Mathematics Foundation course.

### PRELIMINARY COURSE UNITS

Preliminary courses provide a relevant option for students who cannot access the ATAR or General course content with adjustment and/or disability provisions, or who are unable to progress directly to training from school, or who require modified and /or independent education plans. Preliminary courses are designed for students who have been identified as having a recognised disability under the *Disability Discrimination Act 1992*, and who meet the above criteria.

## ATAR EXAMINATIONS

The Authority sets, administers and marks ATAR examinations for ATAR Units 3 and 4 in all courses. These examinations are compulsory.

Each ATAR examination assesses the specific content, understandings, knowledge and skills described in the syllabus for the pair of units studied. Each syllabus is available on the relevant course page of the Authority website at <http://wace1516.scsa.wa.edu.au/#syllabus>

All ATAR examinations have written papers and some also include practical, oral, performance or portfolio examinations. The practical ATAR examinations are held in the first week of the Term 3 school holidays, on weekends and the Queen's Birthday public holiday and during the second and third weeks of Term 4. Written examinations will start on the first Monday in November.

ATAR examinations provide students and the wider community with confidence about the standards achieved at the end of Year 12. They also make it possible to compare the achievement of students, regardless of the school attended.



## **TERTIARY ENTRANCE REQUIREMENTS (UNIVERSITY ENTRANCE)**

To be considered for university admission as a school leaver, an applicant must meet the requirements for the Western Australian Certificate of Education (WACE) as prescribed by the School Curriculum and Standards Authority; achieve competence in English as prescribed by the individual universities; obtain a sufficiently high Australian Tertiary Admission Rank (ATAR) for entry to a particular university and/or course (Edith Cowan University may not require an ATAR for some pathways); and satisfy any prerequisites or special requirements for entry to particular courses.

### **ATAR bonus for Languages other than English**

All Western Australian universities now offer an ATAR bonus to WACE students who undertake a language other than English in Year 12. 10% of a student's final scaled score in an approved Languages course, including those completed as a private candidate, will be added to that student's Tertiary Entrance Aggregate (TEA). The ATAR will be calculated on the improved TEA.

### **Portfolio Pathway to Edith Cowan University (ECU)**

In addition to the requirements outlined above, Edith Cowan University offers an additional pathway for entry by school leaver students.

Detailed information about the requirements for the Portfolio Entry Pathway to ECU may be obtained from Student Recruitment on 134 328 or [www.ecu.edu.au/future-students](http://www.ecu.edu.au/future-students)

### **Portfolio Entry to Murdoch University**

In addition to the requirements outlined above, Murdoch University offers a portfolio pathway for admission to Bachelor of Communications, Bachelor of Media and Bachelor of Digital Media. For more information see [www.murdoch.edu.au](http://www.murdoch.edu.au)

### **University Application Procedures**

Information about applying to the universities and admission to undergraduate courses will be sent to Year 12 students at their schools in August of each year. Application will be via the TISC website.

Any further information about application procedures may be obtained from TISC. Enquiries about mid-year entry, external studies and particular course requirements should be directed to the university concerned.

Applications need to be made through TISC when the applicant is: an Australian citizen; a New Zealand citizen; or approved/granted Australian permanent resident status.

Full details regarding individual university entrance requirements and processes are available from the TISC website: [www.tisc.edu.au](http://www.tisc.edu.au).

The University Admission 2017 booklet is now available on the TISC website.

## VOCATIONAL EDUCATION

Vocational Education and Training (VET) enables students to gain a nationally recognised industry specific qualification while completing their secondary school education. VET programs prepare students for the world of work and provide hands on training. The completion of VET programs provides a broad range of post school options and pathways as well as contributing to the West Australian Certificate of Education (WACE). By successfully completing a VET pathway program students should be well placed to gain employment, apprenticeships, traineeships or enrol in further study at a State Training Provider (STP) (formally TAFE)

At Dalyellup College students have the opportunity to work toward a qualification across a variety of industry areas. **Successful completion of any one of these certificate courses will provide a direct pathway into further training in that area at a STP.**

There is a requirement for students undertaking some of these VET Certificate courses to engage in work placement.

The following table is a summary of the VET options available to students studying at Dalyellup College. For further details on certificate offerings at the South West Institute of Technology (SWIT), please refer to the Southern Regional TAFE 2017 Options Booklet.

VET OPTION	CERTIFICATE	VENUE
Dalyellup College based VET 2017	<ul style="list-style-type: none"> <li>• Certificate II - Business</li> <li>• Certificate II - Building and Construction</li> <li>• Certificate II - Community Services</li> <li>• Certificate II - Creative Arts – Media</li> <li>• Certificate II - Engineering</li> <li>• Certificate II - Sport &amp; Recreation – Cricket</li> <li>• Certificate II - Sport &amp; Recreation – Cricket</li> <li>• Certificate II - Information, Digital Media and Technology</li> <li>• Cert II – Music Technology</li> </ul>	Students studying these subjects remain at school to study VET courses. The courses may require some WPL (Workplace Learning).
Pre-apprenticeship in Schools Based at South Regional TAFE 2017	(To be confirmed)	Students studying these courses will be at Dalyellup College three days per week (Monday, Tuesday, Wednesday), one day at SWIT and one day in the workplace
VET in Schools Based at South Regional TAFE 2017	<b>Year 11 OR 12 (One Year Duration)</b>  (To be confirmed)	Students studying these courses will be at Dalyellup College three days per week (Monday, Tuesday, Wednesday), one day at SWIT and one day in the workplace.

## Bunbury Trade Training Centres:

Students studying these certificates will be at Dalyellup College three days per week (Monday, Tuesday, and Wednesday).

All certificates completed at a trade training centre will incur costs. These costs will be invoiced either directly from the school or by the registered trade training centre.

### BUNBURY CATHOLIC COLLEGE SITE

Term of Course	Certificate Course	Cost
<b>Year 12</b>		
2 days/week 3 terms Thursday & Friday	Certificate II Engineering Pathways (MEM20413)	<b>\$1500</b>
2 days/week 3 terms Thursday & Friday	Certificate II Plumbing (52700WA)	<b>\$4986</b>

### EATON COMMUNITY COLLEGE SITE

<b>Year 12</b>		
1 day/week 3 terms Friday	Certificate II Automotive Tyre Servicing Technology (AUR21916)	<b>\$1800</b>
1 day/week 3 terms Thursday	Certificate II Automotive Steering & Suspension System Technology (AUR21816)	<b>\$1800</b>
2 days/week 3 terms To be confirmed	Certificate II Construction Painting Pathway (52443WA)	<b>\$4677</b>
<b>Year 12 Continuing Students Only</b>		
1 day week Thursday	Certificate II Electrotechnology Career Start (UEE22011)	
1 day week Friday	Certificate II Electrotechnology Career Start (UEE22011)	
1 day/week Friday	Certificate II Construction Trades Pathway Brick & Block Stream (52443WA)	
1 day/week Thursday	Certificate II Construction Trades Pathway Carpentry & Joinery (52443WA)	

## MANEA SENIOR COLLEGE SITE

Year 12		
1 day/week 3 terms Thursday	Certificate II Medical Service First Response (HLT21015)	\$1817
1 day/week 3 terms Friday	Certificate III Basic Health Care (HLT31215)	\$1975
1 day/week 3 terms Friday	Certificate III Business (BSB30115)	\$1800
1 day/week 3 terms Thursday	Certificate III Community Services (CHC32015)	\$1375
1 day/week 3 terms Thursday	Certificate III Dental Laboratory Assisting (HLT35115)	\$2300

### ENDORSED PROGRAMS

An endorsed program is a significant learning program that has been developed for students in Years 10, 11 and 12. The program may have been developed by the Authority, or it may have been developed by a private provider, such as a university, community organisation, training institution, or a school, and subsequently endorsed by the School Curriculum and Standards Authority.

Endorsed programs address areas of learning not covered by courses.

Each endorsed program consists of a series of lessons, classes and/or activities designed to lead to the achievement of a common goal or set of learning outcomes. Endorsed programs can be delivered as part of the school curriculum or as extra-curricular activities.

All endorsed programs successfully completed and reported to the Authority:

- are listed on the student's WASSA
- may contribute towards the breadth-and-depth requirement of the WACE
- may contribute towards the C grade requirement of the WACE.

For WACE purposes a student can count a maximum of 4 unit equivalents from endorsed programs, two in Year 11 and two in Year 12.

Each endorsed program is allocated one, two, three or four unit equivalents.

An example of an Authority-developed endorsed program is the new Workplace Learning program:

### WORKPLACE LEARNING (WPL)

Workplace learning is a program offered to students studying VET courses to assist them in the transition from school to post school opportunities. It enables students to explore career

pathways and provides them with a realistic view of the workplace and employer expectations.

WPL is an Endorsed subject which involves workplace learning that is structured, monitored, regulated and assessed by the Workplace Learning Coordinator and on site Workplace Supervisors. Students will be assessed on their competence in employability skills while “on-the-job”.

The student must also provide evidence of his/her knowledge and understanding of the workplace skills by completing the Authority’s *Workplace Learning Skills Journal* after each 55 hours completed in the workplace. Unit equivalence is allocated on the basis of 1 unit equivalent for each 55 hours completed in the workplace, to a maximum of 2 units in Year 12.

**Approximate course charge for WPL: \$30.00 per Annum**

## **STATE TRAINING PROVIDER ENTRANCE REQUIREMENTS**

Enrolment in a State Training Provider (STP) can be very competitive, depending on which course is chosen, by a student. Students should be aware that to enrol at a STP they should be achieving at a **minimum** “C” grade average in all subjects at school. STPs use a point system for student entry selection; lower grades equate to less points. Extra points are gained by completing Workplace Learning and/or demonstrating they have been part of the workforce.

**Completion of a VET Certificate at school is a direct pathway into a State Training Provider and will assure competitiveness when a student is seeking enrolment.**

## Appendix 1: Dalyellup College Year 12 Courses 2017

Preliminary courses	Foundation (moderated with externally set task)	General (moderated with externally set task)	ATAR courses 50% external examination, 50% school assessment
		Applied Information Technology	
		Automotive Engineering and Technology	
			Biology
		Career and Enterprise	
			Chemistry
		Design Graphics Design Technical Graphics	
			Chinese: Second Language*
		Drama	Drama*
	Foundation English	Essential English	English
		Food Science and Technology-Hospitality	
			Geography
		Health Studies	
			Human Biology
		Materials Design and Technology-Wood	
	Mathematics Foundation	Mathematics Essential	Mathematics Methods
			Mathematics Applications
			Mathematics Specialist
			Media Production and Analysis
			Modern History
		Outdoor Education	
			Physical Education Studies
			Physics
			Psychology
		Visual Arts	Visual Arts*

\* Courses with a written and practical examination.

## **SENIOR SCHOOL COURSE DESCRIPTIONS**

### **THE ARTS**

**Drama:** ATAR, General

**Media Production and Analysis:** ATAR

**Visual Arts:** ATAR, General

### **MEDIA PRODUCTION AND ANALYSIS**

**Year 12, 2017**

**Media Production and Analysis ATAR  
Unit 3 and 4**

### **MEDIA PRODUCTION AND ANALYSIS ATAR**

The Media Production and Analysis ATAR course aims to prepare students for a future in a digital and interconnected world by providing the skills, knowledge and understandings to tell their own stories and interpret the stories of others. Students are encouraged to explore, experiment and interpret their world, reflecting and analysing contemporary life, while understanding that this is done under social, cultural and institutional constraints. Students, as users and creators of media products, consider the important role of audiences and their context. This course focuses on the application of media theory in the practical process.

**Prerequisites for Year 12 Media Production and Analysis ATAR: A minimum C grade in Year 11 Media Production and Analysis ATAR.**

**Approximate course charge for Media Production and Analysis ATAR: \$50.00**

**How will this course help students in the future?**

Through multimedia, students can deconstruct a work, transform it or produce an original work combining visual, audio and print production skills. Studies in this field are of vocational relevance in a workplace dominated increasingly by multimedia applications.

Media Production and Analysis aims to prepare all students for a future in a digital and global world by providing the foundation for lifelong learning about the media.

## DRAMA

**Year 12, 2017**

**Drama ATAR  
Unit 3 and 4**

**Drama General  
Unit 3 and 4**

### DRAMA ATAR

The Drama ATAR course focuses on drama in practice and aesthetic understanding as students integrate their knowledge and skills. They engage in drama processes such as improvisation, play building, text interpretation, playwriting and dramaturgy. This allows them to create original drama and interpret a range of texts written or devised by others by adapting the theoretical approaches of drama practitioners like Stanislavski and Brecht. Students' work in this course includes production and design aspects involving directing, scenography, costumes, props, promotional materials, and performance, as well as the roles of actor, director, scenographer, lighting designer, sound designer, costume designer and dramaturge.

**Prerequisites for Year 12 Drama ATAR: A minimum C grade in Year 11 Drama ATAR.**

**Approximate course charge for Drama ATAR: \$100.00**

### DRAMA GENERAL

The Drama General course focuses on drama in practice and aesthetic understanding as students integrate their knowledge and skills. They engage in drama processes such as improvisation, play building, text interpretation, playwriting and dramaturgy. This allows them to create original drama and interpret a range of texts written or devised by others by adapting the theoretical approaches of drama practitioners like Stanislavski and Brecht. Students' work in this course includes production and design aspects involving directing, scenography, costumes, props, promotional materials, and sound and lighting. Increasingly, students use new technologies, such as digital sound and multimedia. They present drama to make meaning for a range of audiences and adapt their drama to suit different performance settings. The focus in this course is primarily on ensemble performance and team work.

**Approximate course charge for Drama General: \$100.00**

**How will this course help students in the future?**

While some students intend to make a career in drama and related fields, they also participate in drama for enjoyment and satisfaction. They experience the pleasure that comes from developing personal skills, knowledge and understandings that can be transferred to a range of careers and situations. Drama builds confidence, empathy, understanding about human experience, and a sense of identity and belonging. These are invaluable qualities for modern living.



## VISUAL ARTS

Year 12, 2017

Visual Arts ATAR  
Units 3 and 4

Visual Arts General  
Units 3 and 4

### VISUAL ARTS ATAR

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.

**Prerequisites for Year 12 Visual Arts ATAR: A minimum C grade in Year 11 Visual Arts ATAR.**

**Approximate course charge for Visual Arts ATAR: \$100.00**

### VISUAL ARTS GENERAL COURSE

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

**Approximate course charge for Visual Arts General: \$100.00**

**How will this course help students in the future?**

The Visual Arts course aims to enable students to make connections to relevant fields of study and to more generally prepare them for creative thinking and problem solving in future work and life. It aims to contribute to a sense of enjoyment, engagement and fulfilment in their everyday lives, as well as to promote an appreciation for the environment and ecological sustainability.

## ENGLISH

In English, students have the opportunity to immerse themselves in both literary and everyday texts and develop a passion for language, literacy and learning through responding and creating. The English syllabus is based on the assumption that English is concerned with language and meaning, and in particular with students' abilities to make meaning with language. Students are given opportunities to compose texts (as writers, speakers and performers) and to comprehend texts (as readers, listeners and viewers). Through the study of a variety of texts, students learn about the English language, how it works and how to use it effectively.

**English:** ATAR, General, Foundation, Preliminary

<b>Year 12, 2017</b>
<b>English ATAR Units 3 and 4</b>
<b>English General Units 3 and 4</b>
<b>English Foundation Units 3 and 4</b>
<b>English Preliminary</b>

### ENGLISH ATAR

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.

**Prerequisites for Year 12 English ATAR: A minimum C grade in Year 11 English ATAR.**

**Approximate course charge for English ATAR: \$65.00**

### ENGLISH GENERAL

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.

**Prerequisites for Year 12 English General: A minimum C grade in Year 11 English General and a pass in the OLNA Reading and Writing tests by the end of Year 11.**

**Approximate course charge for English General: \$55.00**

## ENGLISH FOUNDATION

The English Foundation course aims to develop students' skills in reading, writing, viewing, speaking and listening in work, learning, community and everyday personal contexts. This course is for students who have not demonstrated the literacy standard in the OLN. Such development involves an improvement in English literacy, where literacy is defined broadly to include reading ability, verbal or spoken literacy, the literacy involved in writing, and visual literacy. Students undertaking this course will develop skills in the use of functional language conventions, including spelling, punctuation and grammar. Good literacy skills are required for comprehending and producing texts; for communicating effectively in a learning or working environment, or within a community; or for self-reflection; and for establishing one's sense of individual worth.

**Prerequisite for Year 12 English Foundation: For students who have not achieved a C grade in Year 11 English General and a pass in the OLN Reading and Writing tests by the end of Year 11.**

**Approximate course charge for English Foundation: \$55.00**

## ENGLISH PRELIMINARY

The English Preliminary course focuses on the fundamental skills that support language use. Language use plays a central role in human life: it provides a vehicle for communication and independence. Students study language through the use of receptive and expressive communication. Receptive skills can include reading, comprehending, listening and/or viewing. Expressive skills can include writing, speaking, acting, signing, gesturing and/or creating multimodal texts. The course recognises the diversity of the student population and builds on students' knowledge of how language works and how to use language in a variety of forms and situations. An understanding of how to use language empowers students: it gives them access to knowledge, enables them to play an active part in society and contributes to their personal growth.

**Prerequisite for English Preliminary: For special needs students who have not achieved a pass in the OLN Literacy and numeracy tests.**

**Approximate course charge for English Preliminary: \$55.00**

**How will this course help students in the future?**

Students learn that in using language they are actively engaged in social processes and the reproduction and/or re-working of social and cultural conventions. They learn about the relationship between language and power, and come to understand that well-developed language skills provide them with access to sources of power through knowledge; that language can be used to influence behaviour; how they use language can influence how others respond to them, and how others behave; and that a knowledge of language and how it works can be used to resist control by others. In English, students learn how to become competent, reflective, adaptable and critical users of language.

## HEALTH AND PHYSICAL EDUCATION

**Health Studies:** General

**Outdoor Education:** ATAR, General

**Physical Education Studies:** ATAR, General

Year 12, 2017
Health Studies Units 3 and 4
Outdoor Education General Units 3 and 4
Physical Education Studies ATAR Units 3 and 4
Physical Education Studies General Units 3 and 4

### HEALTH STUDIES GENERAL

In this General course students explore health as a dynamic quality of life. They will consider the way in which beliefs and attitudes influence health decisions and learn how to plan and take action that will promote their own and the health of others. They examine the impact of social and environmental factors on health and use inquiry skills to investigate and respond to relevant issues. The course also provides students with opportunities to develop skills that will enable them to pursue careers in health promotion, research or community health care.

**Prerequisites for Health Studies General: A minimum C grade in Year 10 Health Education.**

**Approximate course charge for Health Studies General: \$50.00**

**How will this course help students in the future?**

This course will prepare students for career and employment pathways in a range of health and community service industries. Students will have the opportunity to develop key employability and life skills including communication, leadership, initiative and enterprise. Inquiry skills will equip students well to adapt to current and future studies and work environments.

The scope of the units allows students to engage in studies ranging from exploring personal health concepts and issues; community health; the impact of popular culture on health; technology, the environment and community health; the health of specific populations; and global challenges to health.

### OUTDOOR EDUCATION GENERAL

Through interaction with the natural world, Outdoor Education aims to develop an understanding of our relationships with the environment, others and ourselves. The Outdoor Education General course focuses on outdoor activities in a range of environments, including bushwalking, biking, canoeing, fishing, roping, and first aid. Students have the opportunity to develop essential life skills such as goal setting, leadership, planning and risk assessment. Students have an opportunity to develop a comprehensive understanding of

the environment and develop a positive relationship with nature. The course also provides students with opportunities to develop skills that will enable them to pursue personal interests and careers in outdoor pursuits, environmental management, or eco-tourism.

**Prerequisites for Outdoor Education General: A minimum C grade in Year 10 Outdoor Education or Physical Education.**

**Approximate course charge for Outdoor Education General: \$140.00**

**How will this course help students in the future?**

The knowledge, understanding and skills gained through outdoor experiences may be transferred and applied to life and a range of careers and situations. Future employment opportunities and career pathways may exist in areas such as outdoor leadership, guiding activities and environmental interpretation, planning for future environments, managing facilities, eco-tourism, military service, outdoor education and the many unforeseen areas evolving in the outdoors industry.

## PHYSICAL EDUCATION STUDIES ATAR

Physical Education Studies contributes to the development of students' physical, social and emotional growth. In the Physical Education Studies ATAR course students learn about physiological, psychological and biomechanical principles, and apply these to analyse and improve personal and group performances in physical activities. Throughout the course, students learn through integrated written, oral and active learning experiences. The course also provides students with opportunities to develop skills that will enable them to pursue personal interests and potential in physical activity as athletes, coaches, officials, administrators and/or volunteers.

**Prerequisites for Year 12 Physical Education Studies ATAR: A minimum C grade in Year 11 Physical Education ATAR.**

**Approximate course charge for Physical Education Studies ATAR: \$55.00**

## PHYSICAL EDUCATION STUDIES GENERAL

Physical Education Studies contributes to the development of students' physical, social and emotional growth. The Physical Education Studies General course provides students with opportunities to understand and improve performance through the integration of theoretical concepts and practical activities. Through engagement as performers, leaders, coaches, analysts and planners of physical activity, students may develop skills that can be utilised in leisure, recreation, education, sport development, youth work, health and medical fields.

**Prerequisites for Physical Education Studies General: A minimum C grade in Year 10 Physical Education.**

**Approximate course charge for Physical Education Studies General: \$55.00**

**How will this course help students in the future?**

Students will progressively develop skills, knowledge and understanding that will enable them to pursue their personal interests and potential in physical activity as athletes, coaches, officials and/or administrators. It will prepare them to play an active role in the development of communities and societies.

# HUMANITIES AND SOCIAL SCIENCE

**Career and Enterprise: General**

**Geography: ATAR**

**Modern History: ATAR**

Year 12, 2017
<b>Career and Enterprise: General Units 3 and 4</b>
<b>Geography: ATAR Units 3 and 4</b>
<b>Modern History: ATAR Units 3 and 4</b>

## CAREER AND ENTERPRISE GENERAL

Career education involves learning to manage and take responsibility for personal career development. The Career and Enterprise General course involves recognising one's individual skills and talents, and using this understanding to assist in gaining and keeping work. The course develops a range of work skills and an understanding of the nature of work. Key components of the course include: the development of an understanding of different personality types and their link to career choices; entrepreneurial behaviours; learning to learn; and the exploration of social, cultural and environmental issues that affect work, workplaces and careers.

**Approximate course charge for Career and Enterprise General: \$39.00**

**How will this course help students in the future?**

Career development learning for the modern world recognises that careers are about life, work and learning. It is a lifelong process, whereby individuals need to take an active role in career development. Wide exposure to experiences of work, career and enterprise learning is of increasing relevance to students in a constantly changing workplace.

## GEOGRAPHY ATAR

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

**Prerequisites for Year 12 Geography ATAR: A minimum C grade in Year 11 Geography ATAR.**

**Approximate course charge for Geography ATAR: \$67.00**

### **How will this course help students in the future?**

This course assists students to make informed decisions about where and how they will live, work, recreate, travel and seek opportunities. The understandings, skills, knowledge and values developed in the course will ensure students are well placed to enrol in post-school studies at tertiary levels and employment in the workforce. They are important components of all management positions in business, government and non-government agencies. They are also significant to careers associated with tourism, town planning, primary industries, such as agriculture and mining, land evaluation, environmental planning, teaching, overseas aid programs, foreign affairs and trade.

## **MODERN HISTORY ATAR**

Studying the Modern History ATAR course enables students to become critical thinkers and helps inform their judgements and actions in a rapidly changing world. Students are exposed to a variety of historical sources, including government papers, extracts from newspapers, letters, diaries, photographs, cartoons, paintings, graphs and secondary sources, in order to determine the cause and effect, and the motives and forces influencing people and events. Through the process of historical inquiry, students are encouraged to question and evaluate 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.

**Prerequisites for Year 12 Modern History ATAR: A minimum C grade in Year 11 Modern History ATAR.**

**Approximate course charge for Modern History ATAR: \$46.00**

### **How will this course help students in the future?**

Through this course, students benefit from acquiring the literacy skills of the discipline of history such as critical thinking, research, analysis and effective written expression. These skills equip students for a world changed and linked by information and communication technology and prepare them for lifelong learning. Students are well prepared for careers involving policy making, administration and research. Learning the skills of critical inquiry is essential for people working in business, government, law, health, science, academia, industry, tourism, environment, media and the arts.

# LANGUAGES

**Chinese: Second Language: ATAR**

**Year 12, 2017**

**Chinese: Second Language: ATAR  
Units 3 and 4**

## CHINESE: SECOND LANGUAGE ATAR

The Chinese: Second Language ATAR course is designed to further develop students' knowledge and understanding of the culture and the language of Chinese-speaking communities, providing them with opportunities to gain a broader and deeper understanding of Chinese and extend and refine their communication skills. The course focuses on the interrelationship of language and culture, and equips students with the skills needed to function in an increasingly globalised society, a culturally and linguistically diverse local community, and provides them with the foundation for life-long language learning. Relevant and engaging tasks, delivered through a range of appropriate contexts and topics, develop literacy in the Chinese language as well as extend literacy development in English.

**Prerequisites for Year 12 Chinese: Second Language ATAR: A minimum C grade in Year 11 Chinese: Second Language ATAR.**

**Approximate course cost for Chinese Second Language ATAR: \$42.00**

**How will this course help students in the future?**

With increasing numbers of Australians living and working in China and Chinese living and working in Australia, employees are recognising the usefulness of Chinese language knowledge and skills. An ability to communicate in Chinese provides students with enhanced career opportunities in areas such as tourism and hospitality, medicine, commerce and trade, diplomacy, banking and international finance, government, law, politics and translating and interpreting.

**ATAR bonus for Languages other than English**

All Western Australian universities now offer an ATAR bonus to WACE students who undertake a language other than English in Year 12. 10% of a student's final scaled score in an approved Languages course, including those completed as a private candidate, will be added to that student's Tertiary Entrance Aggregate (TEA). The ATAR will be calculated on the improved TEA.

Application for enrolment in a language course

All students wishing to study a WACE language course are required to complete an application for permission to enrol in a WACE language course in the year prior to first enrolment in the course, to ensure that students select the course best suited to their linguistic background and educational needs. Information about the process, including an application form, is sent to schools at the end of Term 2.

Further guidance and advice related to enrolments in a language course can be found on the Authority website at [www.scsa.wa.edu.au](http://www.scsa.wa.edu.au)



## MATHEMATICS

**Mathematics Specialist:** ATAR  
**Mathematics Methods:** ATAR  
**Mathematics Applications:** ATAR  
**Mathematics Essential:** General  
**Mathematics Foundations:**

Year 12, 2017	Year 12, 2017
Mathematics Methods: ATAR Units 3 and 4	Mathematics Essential: General Units 3 and 4
Mathematics Applications: ATAR Units 3 and 4	Mathematics Specialist: ATAR Units 3 and 4
Mathematics Foundation Units 3 and 4	

The five mathematics courses are differentiated, each focusing on a pathway that will meet the learning needs of a particular group of senior secondary students.

### MATHEMATICS METHODS ATAR

This course 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.

Mathematics Methods provides a foundation for further studies in disciplines in which mathematics and statistics have important roles. It is also advantageous for further studies in the health and social sciences. In summary, 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.

**Prerequisites for Year 12 Mathematics Method ATAR: A minimum C grade in Year 11 Mathematics Method ATAR.**

**Approximate course charge for Mathematics Method ATAR: \$40.00**

**This cost is an estimate dependant on the pricing and availability of text books.**

### MATHEMATICS APPLICATIONS ATAR

This course focuses on the use of mathematics to solve problems in contexts that involve financial modeling, 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.

The Mathematics Applications ATAR 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. The course is designed for students who

have a wide range of educational and employment aspirations, including continuing their studies at university or TAFE.

**Prerequisites for Year 12 Mathematics Applications ATAR: A minimum C grade in Year 11 Mathematics Applications ATAR.**

**Approximate course charge for Mathematics Applications ATAR: \$40.00**

**This cost is an estimate dependant on the pricing and availability of text books.**

## MATHEMATICS ESSENTIAL GENERAL

The Mathematics Essential General course 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.

**Prerequisites for Year 12 Mathematics Essential General: A minimum C grade in Year 11 Mathematics Essential General.**

**Approximate course charge for Mathematics Essential General: \$50.00**

**This cost is an estimate dependant on the pricing and availability of text books.**

## MATHEMATICS FOUNDATION

The Mathematics Foundation course focuses on building the capacity, confidence and disposition to use mathematics to meet the numeracy standard for the WACE. This course is for students who have not demonstrated the numeracy standard in the OLNA. It provides students with the knowledge, skills and understanding to solve problems across a range of contexts including personal, community and workplace/employment. This course provides the opportunity for students to prepare for post-school options of employment and further training.

**Prerequisite for Mathematics Foundation: For students who have not achieved a pass in the OLNA Numeracy test by the end of Year 11.**

**It is strongly recommended that students who achieved a D or E grade in Mathematics Essentials and have also not passed OLNA Numeracy transfer to this course.**

**Approximate course charge for Mathematics Foundation: \$70.00**

**This cost includes all necessary workbooks and resources required for the course.**

## MATHEMATICS SPECIALIST ATAR

This course 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. Mathematics Specialist contains topics in functions and calculus that build on and deepen the ideas presented in the Mathematics Methods course, as well as demonstrate their application in many areas. The Mathematics Specialist course also extends understanding and knowledge of statistics and introduces the topics of vectors, complex numbers and matrices. Mathematics Specialist is the only ATAR mathematics course that should not be taken as a stand-alone course and it is recommended to be studied in conjunction with the Mathematics Methods ATAR course as preparation for entry to specialised university courses such as engineering, physical sciences and mathematics.

**Prerequisites for Year 12 Mathematics Specialist ATAR: A minimum C grade in Year 11 Mathematics Specialist ATAR.**

**Please note: Students taking Mathematics Specialist ATAR must also be enrolled in Mathematics Methods ATAR.**

**Approximate course charge for Mathematics Specialist ATAR: \$55.00**

### **How will this course help students in the future?**

This course allows students to appreciate mathematics, as well as helping them to develop the necessary understanding and skills to prepare them for productive working lives.

It should be emphasised that people who are mathematically able can contribute greatly towards dealing with many difficult issues facing the world today; problems such as health, environmental sustainability, climate change, and social injustice. We need to understand these problems thoroughly before we can expect to solve them, and this is where mathematics and mathematical modelling is so important

### **ATAR bonus for Mathematics Specialist**

All Western Australian universities now offer an ATAR bonus to WACE students who undertake Mathematics Specialist in Year 12. 10% of a student's final scaled score, including those completed as a private candidate, will be added to that student's Tertiary Entrance Aggregate (TEA). The ATAR will be calculated on the improved TEA.

## SCIENCE

**Chemistry:** ATAR

**Human Biology:** ATAR

**Physics:** ATAR

**Psychology:** ATAR

Year 12, 2017
<b>Chemistry: ATAR Units 3 and 4</b>
<b>Human Biology: ATAR Units 3 and 4</b>
<b>Physics: ATAR Units 3 and 4</b>
<b>Psychology: ATAR Units 3 and 4</b>

## CHEMISTRY ATAR

The Chemistry ATAR course equips students with the knowledge, understanding and opportunity to investigate properties and reactions of materials. Theories and models are used to describe, explain and make predictions about chemical systems, structures and properties. Students recognise hazards and make informed, balanced decisions about chemical use and sustainable resource management. Investigations and laboratory activities develop an appreciation of the need for precision, critical analysis and informed decision making.

This course prepares students to be responsible and efficient users of specialised chemical products and processes at home or in the workplace. It also enables students to relate chemistry to other sciences, including biology, geology, medicine, molecular biology and agriculture, and prepares them for further study in the sciences.

**Prerequisites for Year 12 Chemistry ATAR: A minimum C grade in Year 11 Chemistry ATAR.**

**Approximate course charge for Chemistry ATAR: \$32.00**

**How will this course help students in the future?**

This course enables students to relate chemistry to other sciences including *biology, physics, geology, medicine, molecular biology and agriculture*, and to take advantage of vocational opportunities that arise through its application. It also helps them to prepare for further study and to be responsible and efficient users of specialised chemical products and processes at home or in the workplace.

## HUMAN BIOLOGY ATAR

The Human Biology ATAR course gives students a chance to explore what it is to be human—how the human body works, the origins of human variation, inheritance in humans, the evolution of the human species and population genetics. Through their investigations, students research new discoveries that increase our understanding of human dysfunction, treatments and preventative measures.

Practical tasks are an integral part of this course and develop a range of laboratory skills; for example, biotechnology techniques. Students learn to evaluate risks and benefits to make informed decisions about lifestyle and health topics, such as diet, alternative medical treatments, use of chemical substances and the manipulation of fertility.

**Prerequisites for Year 12 Human Biology ATAR: A minimum C grade in Year 11 Human Biology ATAR.**

**Approximate course charge for Human Biology ATAR: \$47.00**

**How will this course help students in the future?**

An understanding of human biology is valuable for a variety of career paths. The course content deals directly and indirectly with many different occupations in fields such as *science education, medical and paramedical fields, food and hospitality, childcare, sport and social work*. Appreciation of the range and scope of such professions broadens students' horizons and enables them to make informed choices.

## PHYSICS ATAR

In the Physics ATAR course students will learn how energy and energy transformations can shape the environment from the small scale, in quantum leaps inside an atom's electron cloud, through the human scale, in vehicles and the human body, to the large scale, in interactions between galaxies. Students have opportunities to develop their investigative skills and use analytical thinking to explain and predict physical phenomena.

Students plan and conduct investigations to answer a range of questions, collect and interpret data and observations, and communicate their findings in an appropriate format. Problem-solving and using evidence to make and justify conclusions are transferable skills that are developed in this course.

**Prerequisites for Year 12 Physics ATAR: A minimum C grade in Year 11 Physics ATAR.**

**Approximate course charge for Physics ATAR: \$28.00**

**How will this course help students in the future?**

Students pursuing post-secondary education in further training pathways will find that their studies in physics provide them with foundation knowledge that will support their studies in many areas such as those requiring laboratory and technical skills, as well as those leading to electrical and other physics-related vocations.

This course also provides prerequisite, preferred or highly desirable knowledge and skills for many *science, engineering and science-related courses at tertiary institutions*.

## PSYCHOLOGY ATAR

In the Psychology ATAR course students will be introduced to psychological knowledge which supports an understanding of the way individuals function in groups. Students learn about major psychological models and theories, and the methods used to conduct scientific investigations in the discipline of psychology. Students apply research methods and ethical principles as they analyse data to illustrate how empirical procedures are used to examine phenomena, such as memory, attention, attitudes, personality and group behaviour. Acquiring this foundation of scientific method and critical thinking is a valuable skill which students can apply throughout their study, work and everyday lives.

**Prerequisites for Year 12 Psychology ATAR: A minimum C grade in Year 11 Psychology ATAR.**

**Approximate course charge for Psychology ATAR: \$30.00**

**How will this course help students in the future?**

The study of this discipline is highly relevant to further studies in the *health professions; education; human resources; social sciences; sales; media; and marketing and management* and aims to provide students with a better understanding of human behaviour and the means to enhance their quality of life.

## TECHNOLOGIES

**Applied Information Technology:** General  
**Automotive Engineering and Technology:** General  
**Design: Photography:** General  
**Food Science and Technology:** General  
**Materials, Design and Technology; Wood:** General

## INFORMATION TECHNOLOGY

**Year 12, 2017**

**Applied Information Technology General  
Units 3 and 4**

## APPLIED INFORMATION AND TECHNOLOGY GENERAL

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 the use of a variety of software applications to investigate, design, construct and evaluate digital products and digital solutions. The course equips students with skills for the 21st century giving them an appreciation of the impact of information technology on society. It offers pathways to further studies in information technology and a range of technology-based careers.

**Approximate course charge for Applied Information Technology General: \$20.00**

### **How will this course help me in the future?**

Through this course, students gain essential life and work skills in problem-solving, time management and communication skills, while working both independently and collaboratively using information communication technology. The course provides an excellent general grounding in ICT for future study aspirations and professional lives of all students.

## DESIGN AND TECHNOLOGY

Year 12, 2017
<b>Automotive Engineering &amp; Technology General Units 3 and 4</b>
<b>Design: Graphics: General Units 3 and 4</b>
<b>Design: Technical Graphics: General Units 3 and 4</b>
<b>Materials, Design &amp; Technology: Wood General Units 3 and 4</b>

### AUTOMOTIVE ENGINEERING AND TECHNOLOGY GENERAL

In the Automotive Engineering and Technology general course students develop skills and understandings relating to the components, accessories, systems and technologies of the automotive vehicle. Students develop the principles underpinning the operation of vehicle systems and subsystems. They also develop the knowledge and skills needed to service, maintain and repair these systems. Students develop effective communication, teamwork skills and environmental awareness when developing solutions to planning and managing automotive vehicle systems.

**Approximate course charge for Automotive, Engineering & Technology General:  
\$105.00**

**How will this course help me in the future?**

The course caters for the learning needs of all students seeking a career in the automotive vehicle or technological discipline. They can choose a course that allows them to achieve post-school destinations into a range of disciplines including engineering; science; mechanical, fabrication and electrical trades; drafting; urban planning, business, management and other technical and technology-related professions. The course content is sufficiently diverse to provide students with the necessary foundation to meet employment needs in a range of occupations not limited to the automotive industry.

### DESIGN GRAPHICS GENERAL

This course is theme based with design projects for professional quality print products such as Calendars, Book or Magazine Covers and promotional products.

Using the design project as a platform, students will learn how to use the elements and principles of design, along with tools and materials of production to achieve successful finished products. Students have the flexibility to work in the mediums of traditional or computer generated illustration and/or photography to produce images for their designs. During each semester students will use industry standard software to produce a portfolio of their work.

Areas of study will include:

- Production of a series of images which show the use of the elements and principles of design.
- Colour symbolism to create meaning in images.
- Combining images with text in an effective way.



- Appeal to a Target Audience when producing promotional products
- Using a Design Process to achieve successful designs
- Skill building with industry standard software to create and edit images and developing knowledge of production processes.

**Approximate course charge for Design: Graphics: \$120.00**

The selection of Design Graphics is highly recommended for students interested in pursuing the Information Technology and Visual Arts Career Pathways.

**DESIGN TECHNICAL GRAPHICS GENERAL**

Students continue to reinforce design principles and are required to develop designs through the use of research, concept sketching and modelling, and drawing techniques. Mechanical and Architectural drafting applications provide the scaffold for design tasks.

Areas of study include:

- focus on a broad range of computer aided design and drafting applications
- sketching and rendering techniques
- interpretation of both engineering and architectural plans
- production of plans to industry standard

This course is extremely valuable for students wishing to pursue a trade qualification or who are interested in an engineering future.

**Approximate course charge for Design: Technical Graphics General: \$55.00**

**MATERIALS DESIGN AND TECHNOLOGY WOOD: GENERAL**

The Materials Design and Technology Wood General course is a practical workshop based course. Students have the opportunity to develop and practice skills that contribute to creating primarily wooden furniture. They will learn the principles of design, planning and project management.

This course will focus on the application of current technology in the furniture industry and aims to provide relevant skills for students with an interest within this area.

Some areas of study will include:

- Use of hand and power tool
- Drawing and design
- Workplace safety
- Use of machines
- Wood fabrication
- Wood turning
- Furniture design
- Wood finishing

**Approximate course charge for Materials, Design & Technology: Wood: \$150.00**

**How will this course help me in the future?**

This course offers essential skills required to enhance further studies in vocational education and training. It links directly to the Certificate II Building and Construction

pathway and should be chosen in addition to it. Students design and construct several projects of suitable complexity. This course enhances employability in the related studies and will be extremely beneficial for either a student who is trade bound or as an additional subject for an ATAR student wanting a hands on, practical subject.

The selection of Materials Design and Technology Wood is highly recommended for students interested in pursuing the Building & Construction Career Pathway.

# HOME ECONOMICS

Year 12, 2017

**Food Science & Technology General  
Units 3 and 4**

## FOOD SCIENCE AND TECHNOLOGY GENERAL

The Food Science and Technology General course provides opportunities for students to explore and develop food-related interests and skills. Food impacts on every aspect of daily life and is essential for maintaining overall health and wellbeing. Students organise, implement and manage production processes in a range of food environments and understand systems that regulate food availability, safety and quality. Knowledge of the sensory, physical, chemical and functional properties of food is applied in practical situations. Students investigate the food supply chain and value-adding techniques applied to food to meet consumer and producer requirements. Principles of dietary planning, adapting recipes, and processing techniques, are considered for specific nutritional needs of demographic groups. Occupational safety and health requirements, safe food handling practices, and a variety of processing techniques, are implemented to produce safe, quality food products. This course may enhance employability and career opportunities in areas that include nutrition, health, food and beverage manufacturing, food processing, community services, hospitality and retail.

**Approximate course charge for Food Science and Technology General: \$130.00**

### **How will this course help me in the future?**

This course connects with further vocational education and training, university and employment pathways. Students may achieve VET competencies as they design and produce a variety of products, services or systems, while applying skills fundamental to the design of food and related technologies and working in practical environments. This course enhances employability, leading to further training and employment opportunities in areas that include food processing, hospitality, retail, community services, health and education.

## SCHOOL BASED VOCATIONAL CERTIFICATES

### CERTIFICATE II IN COMMUNITY SERVICES

This qualification may be used as a pathway qualification into community services work dealing either with the elderly, children, people in crisis and government agencies.

Students will learn how to:

- Prepare for work in the community sector
- Communicate with people accessing the services of the organisation
- Work with others
- Understand policies and procedures
- Apply First Aid (Separate Charge of approx. \$100 as required)

This qualification may provide an appropriate pathway into higher level qualifications, such as those in aged care, disability and home and community care.

Workplace Learning is a compulsory competency in this certificate.

This certificate can be a one or two year program.

**Approximate course charge: \$50.00 per annum.**

Certificate II in Community Services may be selected on its own or as part of the Hospitality and Community Services Career Pathway with the following courses:

- English General
- Mathematics Essential
- Health Studies General
- Food, Science and Technology General
- Plus 1 other subject of your own choice.

### CERTIFICATE II INFORMATION, DIGITAL MEDIA AND TECHNOLOGY

This qualification provides students with the foundation skills and knowledge to use information and communications technology (ICT) in any industry.

Students will learn how to:

- Operate application software packages
- Use computer operating systems and hardware
- Assist with a basic camera shoot
- Produce and prepare photo images
- Perform basic sound editing
- Maintain IT equipment and consumables

This qualification provides basic digital literacy skills to support a wide range of varying industry occupations. This certificate is a two year program.

**Approximate course charges: \$40.00 per annum.**

Certificate II Information, Digital Media and Technology may be selected on its own or as part of the Information Technology Career Pathway with the following courses:

- English General
- Mathematics Essential
- Applied Information & Technology General and/or
- Design Graphics General
- Plus 1-2 other subject of your own choice.

## CERTIFICATE II SPORT AND RECREATION (CRICKET)

Senior school students in the Specialist Cricket Program have the opportunity to continue their interest in cricket by undertaking this certificate. This qualification is part of the Sport, Fitness and Recreation Training Package.

It facilitates the development of the following knowledge and skills:

- performing the intermediate skills of cricket
- implementing sports injury prevention and applying sports first aid
- following occupational health and safety policies
- carrying out a review of strategy and performance after a competition
- assisting in preparing and conducting sport and recreation sessions
- Apply First Aid (Separate charge of approx. \$100 as required)

This certificate is a two year program.

**Approximate course charge: \$145.00 per annum.**

Certificate II Sport and Recreation - Cricket may be selected on its own or as part of the Sport and Recreation Career Pathway with the following courses:

- English General
- Mathematics Essential
- Health Studies General and/or
- Outdoor Education General
- Plus 1-2 other subject of your own choice.

## CERTIFICATE II SPORT AND RECREATION

The qualification provides the skills and knowledge for an individual wishing to enter the sport and recreation industry in a generalist capacity. Units will cover various sports coaching, sports game skills, rules, strategies and tactic elements, first aid, occupational health and safety. **A separate charge for “Apply First Aid”, if required, will be approximately \$100.**

Likely functions for someone with this qualification can include providing support in the provision of sport and recreation programs, grounds and facilities maintenance, retail and customer service assistance, administrative assistance service in locations such as fitness or recreation centers, outdoor sporting grounds or complexes or aquatic centres.

This certificate is a two year program.

**Approximate course charge: \$50.00 per annum.**

Certificate II Sport and Recreation may be selected on its own or as part of the Sport and Recreation Career Pathway with the following courses:

- English General
- Mathematics Essential
- Health Studies General
- Outdoor Education General
- Plus 1 or 2 other subject of your own choice.

## CERTIFICATE II IN CREATIVE INDUSTRIES (MEDIA)

This qualification will provide students with the practical skills and knowledge to perform a range of routine tasks in the creative industry sector.

Students will learn:

- to develop and apply creative arts industry knowledge and critical thinking techniques
- skills in audio and sound
- techniques for presenting information on radio
- to assist with a basic camera shoot
- evaluate the nature of design in a specific industry context
- general knowledge of lighting
- engage in activities such as sound recording, editing, script wiring, and sound and film production.

Students interested in entering a career pathway in the media industry are encouraged to study this certificate.

This certificate is a two year program.

### **Approximate course charge: \$50.00**

Certificate II in Creative Industries - Media may be selected on its own or as part of the Visual Arts Pathway with the following courses:

- English General
- Mathematics Essential
- Design: Graphics General and/or
- Visual Arts General
- Plus 1-2 other subject of your own choice.

## CERTIFICATE II BUSINESS

This qualification will provide students with the opportunity to gain skills and knowledge in the business industry. They will then have a greater opportunity to gain employment or go onto further training.

Students will learn how to:

- communicate in the workforce
- produce simple word processed documents
- create and use spread sheets
- communicate electronically
- process and maintain workplace information
- participate in OHS practices

This certificate can be a one or two year program.

### **Approximate course charge: \$37.00 per annum.**

Certificate II Business may be selected on its own or as part of the Business and Administration Career Pathway with the following courses:

- English General
- Mathematics Essential
- Business Management and Enterprise General and/or
- Certificate II Information Digital Media and Technology
- Plus 1-2 other subject of your own choice.

## CERTIFICATE II ENGINEERING

This certificate will contribute towards students gaining experience in the metals industry. The qualification gained will enable them to go onto further training at a SBT or gain employment readily.

Students will cover the following:

- Apply principles of occupational health and safety in the work environment
- Work with others in a manufacturing, engineering or related environment
- Undertake a basic engineering project
- Use power tools/hand held operations and electric welding machines
- Use hand tools and fabrication equipment
- Perform routine oxy acetylene welding

This certificate is a two year program.

Workplace Learning is a compulsory competency in this certificate.

**Approximate course charge: \$135.00 per annum.**

Certificate II Engineering may be selected on its own or as part of the Engineering Career Pathway with the following courses:

- English General
- Mathematics Essential
- Design: Technical Graphics General
- Automotive Engineering & Technology General
- Plus 1 other subject of your own choice.

## CERTIFICATE II BUILDING AND CONSTRUCTION

This is a pre-vocational course to enable students to gain an apprenticeship in the Construction industry, following senior secondary school studies. Students will develop relevant technical, vocational and interpersonal competencies suitable for further training in construction as well as skills, knowledge and experiences that may be transferrable to other industry areas.

This certificate is a two year program.

Workplace Learning is a compulsory competency in this certificate.

**Approximate course charge: \$138 per annum**

Certificate II Building and Construction may be selected on its own or as part of the Building and Construction Career Pathway with the following courses:

- English General
- Mathematics Essential
- Design: Technical Graphics General
- Materials, Design and Technology General
- Plus 1 other subject of your own choice.

## CERTIFICATE II IN MUSIC INDUSTRY

This qualification is for individuals who want to develop entry-level skills and knowledge to prepare for work in the music industry and to pursue further music education and training at Certificate III level. You will develop and apply a basic knowledge of music, the performing arts and creative arts industries. You will work safely and effectively with others. You will gain skills and knowledge in music literacy, musical performance and audio/sound production. Basic knowledge of a musical instrument is essential

This certificate is usually a two year program and **MUST** be completed by the end of Year 12.

**Approximate course charge: \$100.00 per annum**

Certificate II in Music may be selected on its own or as part of the Performing Arts Career Pathway with the following courses:

- English General
- Mathematics Essential
- Drama General and/or
- Dance General
- Plus 1 or 2 other subjects of your own choice.



