

Year 11 - Choices 2019

CONTENTS

Welcome letter from Principal	3
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SECTION 1 – GENERAL INFORMATION

School Charges	4
WACE Requirements	5
Literacy and Numeracy Assessment	5
Sequential Development	5
Types of Courses Available	6
VET Equivalences	7
Courses Available	8
Ensuring Success	10
Attendance Commitment	10
Medical Conditions Affect School / Exam Performance	11
Withdrawing from Courses / Changing Courses	11
University Entrance Requirements	12
Training WA / TAFE Entrance Requirements	13
Belridge Study Pathways	14

SECTION 2 – COURSE SELECTION DESCRIPTIONS

The Arts Learning Area	15
English Learning Area	21
Health & Physical Education Learning Area	23
Humanities and Social Sciences Learning Area	27
Mathematics Learning Area	31
Science Learning Area	34
Technologies Learning Area	
- Computing and Business Education	37
- Design & Technology	42
- Home Economics	45

Principal's Welcome



Welcome to the Belridge Secondary College Year 11 Selection Book for 2019.

Belridge SC aims to develop a school community that encourages personal, social and environmental responsibilities. The College has student achievement at the heart of our endeavours, and our staff have dedicated their efforts over a long period of time to improve learning outcomes for students in a wide range of domains.

Our College places emphasis on high levels of academic achievement - our ATAR performance over time has enabled the College to offer a comprehensive University Pathway course selection. Our strong VET results are evidenced by our systemically significant Attainment rate. Our students, when in the right pathway, with the right support from both parents and the College staff, are successful students.

Our course selection process for Year 11 is designed to continue this trend: we are looking to make sure that students are in the right pathway that will provide academic challenge and will result in students achieving their career, training and further education goals.

Achieving the Western Australian Certificate of Education (the WACE) is the aim of the majority of our students, and careful consideration needs to be given to the selection of an appropriate mix of courses. The information in this handbook is designed to assist you make the best choices in helping to meet your learning and employment goals, whatever they may be.

Requirements for achieving the WACE have changed, with students now required to demonstrate a minimum standard of literacy and numeracy and meet completion and achievement standards (as explained in more detail elsewhere in this publication). Overall, the changes are designed to respond to industry demands for a skilled and capable workforce. The Report: *The Western Australian Certificate of Education 2015: Responding and adapting* is published on the Authority's website, www.scsa.wa.edu.au and shows the basis and rationale for these refinements.

I look forward to working with students, parents and staff to ensure that every Belridge Secondary College student is a successful student.

JOHN BURKE
Principal
Belridge Secondary College

SCHOOL CHARGES

Contributions and Charges

**In Year 11, all course charges are compulsory. The school requires a 100% confirmation charge for high cost (\$100 or more) courses. Students will only be considered for enrolment in high cost courses after fees are paid in full at time of lodgement of course selection sheets.*

For most courses at the College there are books to purchase, as well as course charges. Books are available from OfficeMax. Booklists and course charges are sent to families after course selection is completed.

In addition to these compulsory charges there are also additional charges for:

- (a) optional activities in any course for which there is a cost associated with their provisions (e.g. excursions, camps, etc.)
- (b) other optional school-based activities which address broad learning outcomes and for which there is a cost (e.g. school and social events, such as the river cruise etc.)

Participation in options (b) is voluntary, but a compulsory charge is payable if the student opts to participate.

If you require assistance or advice on these charges contact the Manager of Corporate Services.

SECONDARY ASSISTANCE SCHEME

Some financial assistance is available for charges and clothing. Most Centrelink Family Health Care Card or Pensioner Concession cardholders are eligible.

Rules change from year to year.

If you think you are eligible, contact the school's Manager of Corporate Services.

Applications should be made at the beginning of each school year.

TO ACHIEVE A WACE, STUDENTS MUST:

- Complete a Literacy and Numeracy Assessment to demonstrate a minimum standard based on skills regarded as essential for individuals to meet the demands of everyday life and work in a knowledge-based economy.
 - Complete a minimum of four Year 12 ATAR courses including the external examination (i.e. be eligible for an ATAR) **or** complete a Certificate II or higher.
 - Complete two Year 11 English units and a pair of Year 12 English units.
 - Complete at least 20 units (or equivalents) including a minimum of 10 Year 12 units (or equivalents).
 - Complete at least one pair of units from a List A course and one pair of units from a List B course in Year 12.
-
- Achieve a minimum of 14 C grades in Year 11 and Year 12 units (or equivalents) **including at least 6 C grades in Year 12 units** (or equivalents).

Note

*If students **do not** meet the literacy and numeracy standard by the time they exit secondary school, they can apply to the Authority to re-sit the assessment.*

All students (whether they have achieved the WACE or not) will receive a Western Australian Statement of Student Achievement – a record of all courses and / or programs completed.

LITERACY AND NUMERACY ASSESSMENT

- To achieve a WACE, students will be required to complete the Online Literacy and Numeracy Assessment (OLNA) and demonstrate achievement at or above a minimum standard, or have previously achieved Band 8 or higher in the associated component of their Year 9 NAPLAN tests.
- The OLNA has three components – reading, writing and numeracy.
- If the student does not meet the standard in Semester 1, then they must sit in Semester 2, Year 10, and, if required, Semester 1 and 2, Year 11.
- From then on, and if required, students may choose when next to sit the assessment.

SEQUENTIAL DEVELOPMENT

All ATAR and General courses demonstrate an increasing level of complexity from Year 11 to Year 12.

- Course units must be completed sequentially, with Year 11 units (1 & 2) being undertaken before Year 12 units (3 & 4) unless students enrol directly in Year 12 units without completing Year 11 units.
- Year 11 units (1 & 2) are paired. A course change date will be notified by SCSA and it will not be possible to switch after this date.
- If students switch courses in Year 11 (before the deadline), they will need to complete the assessment requirements of the new course.

TYPES OF COURSES AVAILABLE

The WACE aims to provide a range of courses offering both breadth and depth so that students can engage with courses that are personally challenging, that enhance their development and maximise their future study and career options.

Courses and subjects developed by the WA School Curriculum & Standards Authority (SCSA) help to achieve this by providing two pathways to achieving the WACE.

- **ATAR Pathway** (students aiming for direct university or TAFE Diploma level entry)
 - Must have a recommendation from the Head of Learning Area or an Administrator.
 - **We recommend you select at least five SCSA A coded + 1 General / VET courses** (we recommend all students do at least one certificate course, if not doing 6 ATAR courses).
- **General / VET Pathway** (includes VET Certificate , General and endorsed courses)
 - **Select a minimum of 3 SCSA G coded + up to 3 VET courses (2 VET courses recommended) + ADWPL**

**All VET students must also select ADWPL as a 7th course - ADWPL requires 2 x 55 hour work placements, during exam breaks.*

Courses	Codes	
	Year 11	Year 12
ATAR (e.g. English)	AEENG (Unit AENG1 and AENG2)	ATENG
GENERAL (e.g. English)	GEENG (Unit GENG1 and GENG2)	GTENG
VET CERTIFICATE	Nationally recognised Training Package Codes (e.g. BSB20115 Certificate II in Business)	

What you need to do:

- ☐ Select **six** courses plus **two** reserve selections (English is compulsory and should be listed as 1.)
- ☐ Select at least **one** course from List B
- ☐ Gain teacher recommendation before selecting ATAR courses
- ☐ Select no more than **three** VET Certificate courses (**two** recommended) + ADWPL

NOTE: The school requires a 100% confirmation charge for high cost (\$100 or more) courses. Students will only be considered for enrolment in high cost courses after fees are paid in full at time of lodgement of course selection sheets

VET EQUIVALENCES

Completing a Certificate 2 or achieving an ATAR are requirements towards achieving a WACE. Because VET Certificate courses are generally not developed by SCSA, credit equivalent to SCSA course units is allocated as shown in the table. Completing a VET certificate requires students to demonstrate competency across a range of pre-selected Units of Competency (generally 11-14 units).

Belridge SC delivers a range of VET certificates in partnership with a range of Registered Training Organizations (RTOs). All of our qualifications are delivered over two years, students must remain enrolled in qualifications for two years in order to complete the Certificate.

Completed qualification	Equivalence (total)	Credit allocation (units)	
		Year 11	Year 12
Certificate II	4 units	2	2
Certificate III and higher	6 units	2	4

Four C grade WACE course credits are allocated after certificate course requirements are completed. Non-completion of a certificate will result in no C grade WACE course credits.

What you need to do:

- **If you are an ATAR student:** It is recommended you select **one** VET Certificate as your sixth course selection.
- **If you are a VET student:** Select **two or three (two recommended)** VET certificates as part of your course mix. The selection of three VET Certificates will require approval from school administration.
- **All VET students will be required to also enrol in Workplace Learning (ADWPL).**

COURSES AVAILABLE

The certificates listed below, and on the next page, are delivered by way of a third party partnership arrangement with the relevant RTO (Registered Training Organisation), where training and assessment is conducted by our teachers/trainers, on behalf of the RTO.

 <p>VETiS Consulting Services RTO Code: 52499</p>	<p>RTO Code 52499</p> <p>VETiS Consulting Services Pty Ltd is licensed under ASQA to deliver and assess these qualifications. A full list of approved qualifications that VCS is licensed for can be found at:</p> <p>https://training.gov.au/Organisation/Details/52499</p> <p>For more information use the link above or visit the RTO's website at: www.vetis.net.au</p>
<p>AUR20716 Certificate II in Automotive Technology Pathways BSB20115 Certificate II in Business CPC20211 Certificate II in Construction Pathways MEM20413 Certificate II in Engineering Pathways</p>	
 <p>We believe in the power of inspired young people.</p> <p>Australian YMCA Institute of Education and Training</p>	<p>RTO Code 3979</p> <p>Australian YMCA Institute of Education and Training is licensed under ASQA to deliver and assess these qualifications. A full list of approved qualifications that this organisation is licensed for can be found at:</p> <p>https://training.gov.au/Organisation/Details/3979</p> <p>For more information use the link above or visit the RTO's website at: http://www.ymcatraining.org.au</p>
<p>CHC22015 Certificate II in Community Services SIS30115 Certificate II in Sport & Recreation SIS20313 Certificate II in Outdoor Recreation SIS30513 Certificate III in Sport & Recreation (Cricket & Netball)</p>	
 <p>Skills Strategies INTERNATIONAL</p>	<p>RTO Code 2401</p> <p>Skills Strategies International is licensed under ASQA to deliver and assess these qualifications. A full list of approved qualifications that this organisation is licensed for can be found at:</p> <p>https://training.gov.au/Organisation/Details/2401</p> <p>For more information use the link above or visit the RTO's website at: https://www.skillstrategies.wa.edu.au</p>
<p>ICT20115 Certificate II in Information, Digital Media and Technology ICT30115 Certificate III in Information, Digital Media and Technology</p>	

	<p>RTO Code 0386</p> <p>Hospitality Group Training is licensed under TAC to deliver and assess these qualifications. A full list of approved qualifications that this organisation is licensed for can be found at:</p> <p>https://training.gov.au/Organisation/Details/0386</p> <p>For more information use the link above or visit the RTO's website at: http://www.hgtwa.com.au</p>
<p align="center">SIT20316 Certificate II in Hospitality</p>	

 <p>Government of Western Australia South Metropolitan TAFE</p>	<p>RTO Code 52787</p> <p>South Metropolitan TAFE is licensed under TAC to deliver and assess these qualifications. A full list of approved qualifications that this organisation is licensed for can be found at:</p> <p>https://training.gov.au/Organisation/Details/52787</p> <p>For more information use the link above or visit the RT website at: southmetrotafe.wa.edu.au</p>
<p align="center">MST20616 Certificate II in Applied Fashion Design and Technology</p>	

Belridge Secondary College will enrol the students who have selected these courses by advising the RTO in February each year, after the subject selection process has been completed, and parents have provided their approval for enrolment. The student's enrolment is confirmed when the RTOs requirements are met and the school is advised.

Upon successful completion of all course requirements, the RTO will issue the certificate or statement of attainment. This will be delivered to the school or posted to the student's home address as approved by the school.

ENSURING SUCCESS

Recommended Minimum Entrance Requirements

The **Recommended Minimum Entrance Requirements** for each course unit are included in each of the course descriptions. These are stated to help students choose appropriate courses in which they should succeed – provided they work hard.

Homework/Study Commitments

Before students submit their selections, they need to consider the type of commitment they are able to give out of school hours. Students undertaking courses leading to an ATAR (Australian Tertiary Admission Rank), normally a ATAR course pathway, **need to do a minimum of three hours study per course per week, each and every week**. That means if they are studying five such courses, they need to do a minimum of fifteen hours of homework and/or study per week.

Students undertaking a VET (general courses and certificates) pathway need to do a minimum of 1.5 hours per course per week, each and every week. That means that a typical six course unit load requires nine hours of homework and/or study per week.

Homework does not only consist of the work given to students by the teacher, but also of a self-directed component. This may include organising notes, revision, research, exam study, practical study or additional tasks or questions. One meeting period per week (Wednesday P5) is scheduled for senior students to meet regularly with senior school staff for guidance and review.

Handing in Work on Time

It is vital in Year 11 that all assessment work is handed in on time, for all courses. Failure to do so jeopardises grades.

See Senior School Assessment Policy, available on the school website

Attendance Commitment

Your attendance and participation in class is the key to achievement of success. Studies show that students who attend school regularly are more likely to succeed at school. Aim for 100% attendance. The only acceptable reasons for absences are if you are sick or have a school activity such as an excursion. Work commitments and holidays are not acceptable reasons for being absent from school. If you are going to be absent, see your teachers before your absence to collect work, ensuring that you keep up with your coursework and study.

Medical Conditions Affecting School/Exam Performance

It is the responsibility of the student to notify the School of any medical condition that may affect performance as soon as they enrol or become aware of the condition. If special consideration is required in exams or class as a result of the medical condition, a medical certificate and/or other documentation must be provided to the Vice Principal (Senior School), so that arrangements can be put in place. This is a School Curriculum Standards Authority requirement.

Changing Courses

When a student selects a program of study, he/she is committing to the courses for the duration of the course. Course changes are discouraged and can be **avoided** by:

- Choosing appropriate courses – note the **Minimum Entrance Requirements and the recommendations of teachers.**
- Discussing any problems with your teacher and parents
- Working harder when the going gets tough; hand all work in on time, seek extra help and attend 100% of your classes.

If a student realises that he/she is not in an appropriate course (e.g. too difficult or too easy), it is recommended that the student arranges to meet with the School Administration Team / Senior School Vice Principal as soon as possible and, at the latest, prior to the end of Week 4, Term 1.

Any student who changes a course after the commencement of the course must catch up on any work missed in the new course selected. Course changes may result in an increase in course fees.

UNIVERSITY ENTRANCE REQUIREMENTS

In order to be considered for university admission, a school leaver ATAR applicant should have:

- (a) met the **WACE** requirements as prescribed by SCSA.
- (b) achieved **competence in English** as prescribed by the individual universities, and
- (c) obtained a **sufficiently high ATAR** for entry to a particular university and/or course.

For some university courses there are additional special requirements such as prerequisite studies, interviews, portfolios, auditions, fitness requirements, etc.

For detailed information about university admission requirements, students and parents should refer to the appropriate Admission Requirements for School Leavers on the Tertiary Institution Service Centre (TISC) website www.tisc.edu.au

Students may also make contact directly with the universities for information on courses and admission requirements. University websites have specific sections for prospective students, parents and guardians.

Note:

Students in Year 11 in 2019 should refer to the Admission Requirements for School Leavers.

Curtin University of Technology

<http://futurestudents.curtin.edu.au/>

Future Students Centre

Phone: (08) 9266 1000

Email: can be found via Curtin's website
Contact Us Page

Edith Cowan University

<http://www.ecu.edu.au/future-students/overview>

Student Recruitment

Phone: (08) 6304 6304

Email: futurestudy@ecu.edu.au

Murdoch University

<http://www.murdoch.edu.au/Future-students/>

Prospective Students and
Admissions Centre

Phone: 1300 Murdoch (687 3624)

Email: study@murdoch.edu.au

The University of Western Australia

<http://www.studyat.uwa.edu.au/>

UWA Admissions Centre

Phone: (08) 6488 6000

Email: general-enquiries@uwa.edu.au

The University of Notre Dame (Private)

www.nd.edu.au

Phone: (08) 9433 0555

Email: enquiries@nd.edu.au

ENTRANCE REQUIREMENTS

TRAINING WA (Institutes of Training) is constantly reviewing and adjusting their entry processes for school leavers.

Parents and students should access the latest and most detailed information from:

<http://www.dtwd.wa.gov.au/employeesandstudents/training>

As a guide only, key points of the new TRAINING WA entry requirements include:

Qualifications offered by Training WA (TAFE) will be divided into two groups.

- The **first group** of qualifications will require applicants to address **entry requirements only**. These are qualifications for which there are more places available than applicants.
- The **second group** of qualifications will require applicants to address **both entry requirements and selection criteria** – these are qualifications for which there are more applicants than places available. Selection criteria will focus on past secondary education achievement/skill development, previous qualifications and workplace experience, whether paid or unpaid.

Training WA (TAFE) Selection Criteria Maximum 100 points		
<p>Secondary Education Achievement/Skill Development</p> <p>[Maximum 42 points]</p> <p>Points allocated according to levels of achievement in three courses, including English or Literature or English as a Second Language or Dialect.</p>	<p>Workplace Experience And Employment</p> <p>[Maximum 29 points]</p> <p>Points allocated for each hour of WPL, work experience, volunteer and paid or unpaid work.</p>	<p>Previous Qualifications</p> <p>[Maximum 29 points]</p> <p>Points allocated for any part or full AQTF Certificate or Degree qualification already achieved.</p>

WHAT DOES THIS MEAN FOR STUDENTS SELECTING THEIR LEARNING PROGRAM FOR YEARS 11 AND 12?

Belridge Secondary College offers two **distinct pathways** for senior students:

ATAR (Academic) Pathway:

For students aspiring to direct entry to university:

Students **must select a minimum of four ATAR level Year 11 courses**.

These courses are identified by the first two letters of the course code:

A (ATAR) **E** (Eleven) e.g. **AEENG** or **A1** (Semester 1)

It is advisable to select five ATAR level courses to maximise your ATAR.

VOCATIONAL / TRAINING PATHWAY

Students must complete at least one VET Certificate II or III course.

Students should select a broad range of courses and experiences for which they have satisfied the recommended minimum entrance requirements. A student wanting to be prepared for the broadest range of **TRAINING WA** courses, in addition to an English course, would typically include in their program of study a Mathematics course, combined with VET Certificate courses in their area of interest and part time work and/or workplace learning and/or volunteer or other workplace experience.

Students must achieve to the highest level of which they are capable. Completing a VET Certificate II qualification (AQTF Certificate) at school will increase a student's chances of entry to competitive TRAINING WA courses and meet one of the WACE (graduation) requirements.

Participating in all classes and learning experiences and submitting all work on time are the most important strategies for doing this.

THE ARTS LEARNING AREA 2019-2020 PATHWAYS

Course Name	ATAR		VET / General	
	2019 Year 11	2020 Year 12	2019 Year 11	2020 Year 12
Dance	AEDAN	ATDAN	GEDAN	GTDAN
Drama	AEDRA	ATDRA	GEDRA	GTDRA
Visual Art	AEVAR	ATVAR	GEVAR	GTVAR
Fashion Design			MST20616 Certificate II in Applied Fashion Design and Technology	
Design: Photography			GEDESP	GTDESP
Media Production and Analysis			GEMPA	GTMPA

The Arts represent an outlet of human expression, usually influenced by culture, and driven by human creative impulse. From prehistoric cave paintings to modern day films, art serves as a vessel for storytelling and conveying mankind's relationship with its environment.

The Arts Learning Area engages students with a range of courses encouraging the development of artistic appreciation and performance skills in visual and performance arts.

AEDAN Dance (ATAR)

Cost : \$50 per year

The Dance ATAR course acknowledges the interrelationship between practical and theoretical aspects of dance – the making and performing of movement and the appreciation of its meaning. Through critical decision-making in individual and group work, movement is manipulated and refined to reflect the choreographer's intent.

Students use a wide range of creative processes, such as improvisation and the use of choreographic elements and devices and draw on their own physicality and the interpretation of existing work of others to create unique dance works. They investigate how technologies are used to extend and enhance dance design. They also learn how dance styles and forms are historically derived and culturally valued. Through dance, students experience an intrinsic sense of enjoyment and have an opportunity to achieve a high level of movement skills.

Students are exposed to learning various styles of dance and given opportunities to perform to audiences.

Pre-requisites: An 'A' or 'B' grade in Year 10 English. Previous dance experience is required.

GEDAN Dance (General)

Cost: \$50 per year

The Dance General course acknowledges the interrelationship between practical and theoretical aspects of dance – the making and performing of movement and the appreciation of its meaning. Through decision-making in individual and group work, students use a wide range of creative processes, such as improvisation and the use of choreographic elements and devices to create dance works.

They also learn how dance styles and forms are historically derived and culturally valued. Through dance, students experience an intrinsic sense of enjoyment and have an opportunity to achieve a high level of movement skills.

Students are exposed to learning various styles of dance and given opportunities to perform to audiences.

Pre-requisites: None, though some dance experience preferred.

AEDRA Drama (ATAR)

Cost: \$80 per year

The Drama ATAR course focuses on aesthetic understanding and drama in practice as students integrate their knowledge and skills. They use the elements and conventions of drama to develop and present ideas and explore personal and cultural issues. They engage in drama processes such as improvisation, play building, text interpretation, playwriting and dramaturgy which allow them to create original drama and interpret a range of texts written or devised by others. Their work in this course includes production and design aspects involving sets, costumes, makeup, props, promotional materials and sound and lighting. Increasingly, students use technologies such as digital sound and multimedia. They present drama to a range of audiences and work in different performance settings.

Pre-requisites: An 'A' or 'B' grade in Year 10 English.

GEDRA Drama (General)

Cost: \$80 per year

The Drama General course focuses on aesthetic understanding and drama in practice as students integrate their knowledge and skills. They use the elements and conventions of drama to develop and present ideas and explore personal and cultural issues. They engage in drama processes, such as improvisation, play building, text interpretation, playwriting and dramaturgy which allow them to create original drama and interpret a range of texts written or devised by others. Their work in this course includes production and design aspects involving sets, costumes, makeup, props, promotional materials, stage management, front-of-house activities, and sound and lighting. Increasingly, students use technologies, such as digital sound and multimedia. They present drama to a range of audiences and work in different performance settings.

Pre-requisites: None

AEVAR Visual Art (ATAR)

Cost: \$80 per year

Excursion: \$25 approximately

The Visual Arts ATAR course encompasses the practice and theory of the broad areas of art, craft and design. Students have opportunities to express their imagination, develop personal imagery, develop skills and engage in the making and presentation of artwork. The course encourages students to develop problem-solving skills together with creative and analytical ways of thinking. Innovation is encouraged through a process of inquiry, exploration and experimentation. Students transform and shape ideas to develop resolved artwork. They engage in art making processes in traditional and new media areas, which involve exploring, selecting and manipulating materials, techniques, processes, emerging technologies and responses to life. They analyse and evaluate their own works and the works of others from a range of historical and cultural viewpoints, and develop an appreciation of the role of art in the community and their daily lives.

Pre-requisites: A 'B' in Year 10 English and Visual Arts related course

GEVAR Visual Art (General)

Cost: \$80 per year

Excursion: \$25 approximately

In the Visual Arts GENERAL course students explore ways to generate and develop artworks based on their lives, personal experiences and local environment. They use a variety of inquiry approaches, techniques and processes aimed at developing a sense of observation to express personal beliefs, opinions and feelings. Students acquire various skills using processes of experimentation and discovery. They manipulate a variety of media and materials in a range of art forms to create original artworks; discover ways to compile, record and reflect on their experiences that promote a fundamental understanding of visual language.

Students analyse and evaluate their own works and the works of others from a range of historical and cultural viewpoints, and develop an appreciation of the role of art in the community and their daily lives.

Pre-requisites: A 'C' in a Year 10 Visual Arts related course

Descriptions apply for Year 11 2019 subjects only

MST20616 - Certificate II in Applied Fashion Design & Technology

Course Code: C2FAS (Two Year Course)

Cost: \$100* per year

** Full payment must be made upfront in order to enrol in this course*

This unit is available to **all** students and not limited to those who have studied fashion in Year 10.

It is a two year course beginning in Year 11 and continuing in Year 12.

Learn sewing and construction techniques used by professionals. Have fun felting, weaving and creating fashionable garments from recycled goods plus discover the wondrous elements and principles of design.

All learners will develop an A3 portfolio that showcases a variety of techniques.

Units of Competence

Unit No. 1	MSTCL2001	Use a sewing machine
Unit No. 2	MSMWHS200	Work Safely
Unit No. 6	MSTFD2005	Identify design process for fashion designs
Unit No. 10	MSTCL2020	Lay-up and mark uncomplicated fabrics and lays
Unit No. 11	MSTTX1001	Produce a simple textile fabric or product
Unit No. 12	MSMENV272	Participate in environmentally sustainable work practices

Electives have been selected for Design and Product Development

Pre-requisites: None, except for an enjoyment of fashion



Government of **Western Australia**
South Metropolitan **TAFE**



GEDESP Design: Photography (General)

Cost : \$120* per year

**Full payment must be made upfront in order to enrol in this course*

The aims of the design Photography course are to facilitate a deeper understanding of how design works, within the context of Photography. The course is a mix of both Graphic Design and Photography. Students learn the technical skills of operating a digital SLR camera, studio lighting techniques and use Photoshop to enhance design solutions. Design projects allow students to demonstrate their skills and understandings of design principles and processes, to analyse problems and possibilities, and to devise innovative strategies within the design context of Photography.

Critical and creative thinking is integral to the design process. The design thinking methodologies are fundamental to the Design General course. Students develop understandings and skills in critical and creative thinking during periods of evaluation at numerous stages of the design process. They devise plausible solutions to problems, and critically assess ideas for the most efficient solution. Students identify possible refinements in their design solutions and analyse, evaluate and modify the developing solution to create a prototype and final art work.

Students develop a competitive edge for current and future industry and employment markets. This course also emphasises the scope of design in professional and trade-based industries allowing students to maximise vocational pathways.

Unit 1: Design Fundamentals

Students are introduced to the elements and principles of design and how to successfully use these to enhance design solutions (line, shape, value, 3D form, space, colour, typography, texture, balance, emphasis, repetition, movement, rhythm, scale and proportion, unity, variety, pattern, volume and harmony).

Unit 2: Personal Design

The focus of this unit is personal design. Students learn that they visually communicate aspects of their personality, values and beliefs through their affiliations and their manipulation of personal surroundings and environments. Students explore design elements and principles and the design process in a project communicating something of themselves. Students increase familiarity with basic production skills and processes, materials and technologies.

Pre-requisites: None



GEMPA Media Production and Analysis (General)

Cost: \$100* per year

Possible excursion cost approximately \$25

****Full payment must be made upfront in order to enrol in this course***

The Media Production and Analysis General Course aims to educate students in skills, give them knowledge and understanding to enable them to tell their own stories and interpret others stories through the Media world.

Students look in-depth at blockbuster films, TV genres, comics, magazines, advertising, video games, news, a current affair stories, documentaries and podcasts. They have the opportunity to plan and produce their own short films in a variety of genres such as Science Fiction, Horror, Comedy, Drama and Reality TV etc.

In the production making they use both video recorders and DSLR cameras and editing software such as iMovie, Adobe Premiere Pro, Photoshop to create their movie productions.

Unit 1: Mass Media

Within this broad focus, students reflect on their own use of the media, common representation including researching into characters, stars and stereotypes and the way Media is constructed and produced.

Unit 2: Point of View

In this unit students will be introduced to the concept and learn how a point of view can be constructed. They will analyse media work and construct a point of view in their own productions.

Pre-requisites: None

ENGLISH LEARNING AREA 2019-2020 PATHWAYS

Course Name	ATAR		VET / General	
English	2019 Year 11	2020 Year 12	2019 Year 11	2020 Year 12
	AEENG	ATENG	GEENG	GTENG
English Literature	AELIT	ATLIT		

Upper School Course

In the English course, students learn about the English language: how it works and how to use it effectively. Language plays a central role in human life: It provides a vehicle for communication, a tool for thinking, a means of creativity and a source of pleasure.

Through language, humans shape understanding of themselves and their world. An understanding of a language and the ability to use it effectively empowers students. It gives them access to knowledge, enables them to play an active part in society and contributes to their personal growth. Students will begin their upper school course in English at a unit level appropriate to their performance.

AEENG English (ATAR)

Cost: \$90 per year

- Textbooks are provided
- In addition students will need to pay an extra \$20 for a compulsory excursion in Term 1. An assessment will be based on the excursion.

The English ATAR course focuses on developing students' analytical, creative, and critical thinking and communication skills in all language modes. It encourages students to critically engage with texts from their contemporary world, with texts from the past and with texts 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 enjoy creating their own imaginative, interpretive, persuasive and analytical responses.

Pre-requisites: Band 8 in NAPLAN Reading and Writing **OR** a strong C grade or better in Year 10 English, **PLUS** a teacher recommendation.

GEENG English (General)

Cost: \$90 per year

- Textbooks are provided

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 English General course is designed to provide students with the skills that will empower them to succeed in a wide range of post-secondary pathways.

The course develops students' language and literary skills to enable them to communicate successfully both orally and in writing and to enjoy and value using language for both imaginative and practical purposes.

Pre-requisites: None

AELIT Literature (ATAR)

Cost: \$90 per year

- Students are expected to purchase their own textbooks for this course.
- In addition students will need to pay an extra \$20 for a compulsory excursion in Term 1. An assessment will be based on the excursion.

In addition students will need to pay \$20 for a compulsory excursion in Term 1. An assessment will be based on the excursion.

The Literature ATAR course focuses on the study of literary texts and developing students as independent, innovative and creative learners and thinkers who appreciate the aesthetic use of language; evaluate perspectives and evidence; and challenge ideas and interpretations. In this subject, students actively participate in the dialogue of literary analysis and the creation of imaginative and analytical texts in a range of modes, media and forms. Students establish and articulate their views through creative response and logical argument. They reflect on qualities of literary texts, appreciate the power of language and inquire into the relationships between texts, authors, readers, audiences and contexts as they explore ideas, concepts, attitudes and values.

Additional requirements: Students are expected to devote sufficient time to the study of English Literature to achieve good results, and must be willing to undertake extensive reading in order to fulfil the requirements of the course.

Pre-requisites: Band 8 in NAPLAN Reading and Writing **OR** a strong C grade or better in Year 10 English, **PLUS** a teacher recommendation

HEALTH & PHYSICAL EDUCATION LEARNING AREA

2019-2020 PATHWAYS

Health & Physical Education Studies contribute to the development of student's physical, social and emotional growth. Students learn to develop self-management, interpersonal and physical activity skills. Outdoor Education, by encouraging empowered interaction with the natural world, aims to develop an understanding of our relationships with the environment, others and ourselves.

All VET courses are offered in a two year rotation for 2019-2020

Course Name	ATAR		VET / General	
	2019 Year 11	2020 Year 12	2019 Year 11	2020 Year 12
Cricket Studies & Netball Studies	SIS30115 Certificate III in Sport & Recreation			
Health Studies	AEHEA	ATHEA	GEHEA	GTHEA
Outdoor Education	SIS20213 Certificate II in Sport & Recreation (Outdoor Education)			
Physical Education Studies	AEPES	ATPES	SIS20313 Certificate II in Sport & Recreation	

CRICKET STUDIES

SIS30115 - CERTIFICATE III IN SPORT & RECREATION

Course Code: C3CRI

Cost: \$350* per year



We believe in the power
of inspired young people.

****Full payment must be made upfront in order to enrol in this course***

This is a high cost two year qualification delivered over Years 11 and 12

The focus of the cricket program in Years 11 & 12 is to prepare the students for career options within the sport and recreation industry. This qualification also provides for multi skilled roles which combine a range of activities required to support the operation of facilities such as fitness centres, outdoor sporting grounds or complexes, aquatic centres and community recreation centres. **In order to achieve the full qualification students will need to remain enrolled for two years.** Advanced cricket skills and games will still be part of the upper school program as well as an international cricket tour opportunity.

Pre-requisites: Enrolled in the Cricket Program

NETBALL ACADEMY

SIS30115 - CERTIFICATE III IN SPORT & RECREATION

Course Code: C3NET

Cost: \$250* per year



We believe in the power
of inspired young people.

****Full payment must be made upfront in order to enrol in this course***

This is a high cost two-year qualification delivered over Years 11 and 12

The focus of the Netball Academy in Years 11 & 12 is to prepare the students for career options within the sport industry. This qualification requires students to gain competence in a number of units relating to the sport and recreation industry. Some of these units are in the areas of coaching, injury prevention, first aid, communication and equipment management. In order to achieve the full qualification students will need to remain enrolled for the two years. The course will have a Netball focus and skills and games will still be a major part of the senior school program.

Students will also be given the opportunity to go on an international tour in either Year 11 or 12.

Pre-requisites: Enrolled in the Netball Program (Middle School)

AEHEA HEALTH STUDIES (ATAR)

Cost: \$50 per year

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

Pre-requisites: A 'C' grade or better in Year 10 English and Year 10 Health.

GEHEA HEALTH STUDIES (GENERAL)

Cost: \$70 per year (to include a workbook)

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.

Pre-requisites: None specified

SIS20115 - CERTIFICATE II IN SPORT AND RECREATION

Course Code: C2SPO / Vocational Pathway

Cost: \$170* per year

****Full payment must be made upfront in order to enrol in this course***



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of inspired young people.**

This program will be based around a workplace/recreational/sport environment. Through real life activities students will have the opportunity to demonstrate their ability to apply their knowledge and skills. The activities include participating in, preparing and conducting sport and recreation activities, such as Basketball, Tennis, Rugby League, Squash, Netball and Tenpin Bowling. In addition, students will gain an understanding of occupational health and safety policies as well as first aid skills. Students will complete an *Apply First Aid* module which provides them with a Senior First Aid qualification equivalent. The cost of this is included in the fees for the course. This qualification provides the skills and knowledge for an individual wishing to enter the sport and recreation industry in coaching roles as well as assistant roles at fitness centers, aquatic centers and sporting complexes.

Pre-requisites: None

OUTDOOR EDUCATION

SIS20213 - CERTIFICATE II IN OUTDOOR RECREATION

Course Code: C2OUT

Cost: \$320* per year

****Full payment must be made upfront in order to enrol in this course***



**We believe in the power
of inspired young people.**

This is a high cost two year qualification delivered over Years 11 and 12. In order to achieve the full qualification students will need to remain enrolled for two years

Through a number of practical activities, students will have the opportunity to demonstrate their ability to apply their knowledge and skills in a variety of settings. The context of these activities include; Abseiling/ Rock Climbing / Bushwalking / Navigation / Canoeing / Snorkelling / Camping Skills. A 'period zero' or 'period six' may be incorporated to maximise the time spent doing some of these activities. Time off in lieu will be given to the students to reimburse them for their extra time spent at school. Students will participate in a three day camp in term three. Here they will put into practice what they have learned over the course of the year. Students will also participate in a day trip to Rottnest as part of their snorkelling unit. Camp costs are included in the fees. This covers travel, accommodation and the hire of any facilities or equipment for activities. Students will also complete an *Apply First Aid* module which provides them with a Senior First Aid qualification equivalent. This cost is included in the fees for the course.

Pre-requisites: None

PHYSICAL EDUCATION STUDIES

AEPES Physical Education Studies (ATAR)

Cost: \$150* per year

(to include use of laboratory facilities at ECU and transport)

****Full payment must be made upfront in order to enrol in this course***

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.

Pre-requisites: An 'A' or 'B' grade in Year 10 English and Year 10 Science.

HUMANITIES AND SOCIAL SCIENCE LEARNING AREA 2019-2020 PATHWAYS

Course Name	ATAR		VET / General	
	2019 Year 11	2020 Year 12	2019 Year 11	2020 Year 12
Geography	AEGEO	ATGEO	GE GEO	GT GEO
Modern History	AEHIM	ATHIM		
Ancient History			GEHIA	GTHIA
Career And Enterprise			GECAE	GTCAE
Workplace Learning (ADWPL)			ADWPL WORKPLACE LEARNING SCSA developed endorsed program <i>*Compulsory selection as 7th course for VET studies</i>	

GEGEO GEOGRAPHY (GENERAL)

Cost: \$50 for supplementary texts, maps and photocopying
\$20 (per year) – for excursions if required

Geography is a very practical course with the emphasis on practical, hands on activities, based on students own experiences in the world around them. Students learn to collect information from both primary and secondary sources such as case studies and their own observations. Practical activities include field observations, use of topographic maps and photographs, analysing data and statistics, monitoring processes and using remote sensing.

Geography as a discipline values imagination, creativity and speculation as modes of thought and provides the opportunity to develop skills appropriate to careers in environmental protection/ rehabilitation, urban planning and tourism.

G1GEO

The unit **Environments at Risk** explores environments at risk, and the protection of such environments through management at local, regional and global levels. In the local area, in specific regions and globally, people pose threats to the environment as they attempt to meet their needs. Possible depth studies include, the Swan River, Ningaloo Reef, Amazon Rainforest, Lake Joondalup. The depth study to be covered will be decided after consultation with students.

G2GEO

The unit **People & Places** explores the natural and cultural characteristics of a region, the processes that have enabled it to change over time and the challenges it may face in the future. Possible depth studies include a country town, a tourist destination or South East Asia. The depth study to be covered will be decided after consultation with students.

Prerequisites: C grade or higher in Year 10 HASS and English.

AE GEO GEOGRAPHY (ATAR)

Cost: \$50 per year for supplementary texts, maps and photocopying
\$60 (approximately) for textbook
\$10 (per year) for excursions, if required

The study of Geography ATAR course draws on students' curiosity about the diversity of the world's places and their peoples, cultures and environments. The two semester units are as follows:

A1GEO: Natural and Ecological Hazards represent potential sources of harm to human life, health, income and property and may affect elements of the biophysical, managed and constructed elements of environments. This unit focuses on understanding how these hazards and their associated risks are perceived and managed at local, regional and global levels.

A2GEO: This unit focuses on **Global Networks and Interconnections**. It provides students with an understanding of the economic and cultural transformations taking place in the world today, the spatial outcomes of these processes, and their political and social consequences. Students learn how to collect information from primary and secondary sources, such as field observation and data collection, mapping, monitoring case studies and reports.

Prerequisites: Strong B grade or higher in Year 10 HASS.

AEHIM MODERN HISTORY (ATAR)

Cost: \$50 per year for supplementary texts and photocopying)
\$60 (approximately) for textbook

Studying the Modern History course enables students to become critical thinkers and helps to inform their judgements and actions in a rapidly changing world. The two semester units are as follows:

A1HIM: Understanding the modern world. This unit provides an introduction to significant developments in the modern period that have defined the modern world. The key conceptual understandings covered in this unit are: what makes an historical development significant; the changing nature and usefulness of sources; the changing representations and interpretations of the past; and the historical legacy of these developments for the Western world and beyond.

The context studied is **Capitalism – the American Experience 1907-1941**.

A2HIM: Movements for change in the 20th century. This unit examines significant movements for change in the 20th century that led to change in society, including people's attitudes and circumstances. These movements draw on the major ideas described in A1HIM. Students investigate the ways in which individuals, groups and institutions have challenged existing political, social and economic structures, to transform societies. The key conceptual understandings covered in this unit are: the factors leading to the development of movements; the methods adopted to achieve effective change; the changing nature of these movements; and changing perspectives of the value of these movements and how their significance is interpreted.

The context studied is **Nazism in Germany**.

Prerequisites: Strong B grade or higher in Year 10 HASS.

GEHIA ANCIENT HISTORY (GENERAL)

Cost: \$50 per year

The Ancient History General course gives students and opportunity to study people and communities that no longer exist, and to investigate how these communities respond to problems and challenges of their time. Students will have the opportunity to develop their skills in research, hypothesis testing and analysis of information as they engage in historical enquiries. Students will be exposed to a range of historical sources in their investigations of Ancient History. Some topics/famous figures of Ancient History covered are Late Bronze Age Greece and Battle of Troy, Hatshepsut (of Egypt) and Xerxes I.

Pre-requisites: None required, however it is recommended that students have attained a minimum C grade for Year 10 English and HASS.

GECAE CAREER AND ENTERPRISE (GENERAL)

Cost: \$50 per year

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.

Pre-Requisites: None

ADWPL AUTHORITY DEVELOPED WORKPLACE LEARNING (ENDORSED PROGRAM)

Cost: \$30 per year

Workplace Learning is an Authority-developed endorsed program that is managed by individual schools. To complete this endorsed program, a student works in one or more real workplace/s to develop a set of transferable workplace skills. The student must record the number of hours completed and the tasks undertaken in the workplace in the Authority's *Workplace Learning Logbook*. 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.

Pre-Requisites: None

** All VET pathway students should select ADWPL as a 7th course.*

MATHEMATICS LEARNING AREA

2019-2020 PATHWAYS

Course Name	ATAR		VET / General	
	2019 Year 11	2020 Year 12	2019 Year 11	2020 Year 12
Mathematics Specialist	AEMAS	ATMAS		
Mathematics Methods	AEMAM	ATMAM		
Mathematics Applications	AEMAA	ATMAA	Note: Mathematics Applications recommended for electrical and mechanical trades	
Mathematics Essential			GEMAE	GTMAE

The Mathematics Course

The Mathematics course has been created to offer all senior secondary students the opportunity to advance their mathematical skills, to build and use mathematical models, to solve problems, to learn how to conjecture and to reason logically, and to gain an appreciation of the elegance, beauty and creative nature of mathematics. Students use numbers and symbols to represent many situations in the world around them. They examine how mathematical methods associated with number, algebra and calculus allow for precise, strong conclusions to be reached, providing a form of argument not available to other disciplines.

AEMAS MATHEMATICS SPECIALIST (ATAR)

Cost \$60 per year (including \$10 Mathspace fee)

NOTE: Cannot be taken in combination with Mathematics Applications.

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.

Pre-Requisites and resources required:

- An 'A' Grade in Year 10 Mathematics Extension class with the teacher recommendation.
- Achieved Category 3 for OLNA Numeracy
- Student must purchase the course textbook before the 1st lesson
- Student will have to obtain a Casio ClassPad calculator

AEMAM MATHEMATICS METHODS (ATAR)

Cost \$60 per year (including \$10 Mathspace fee)

NOTE: Cannot be taken in combination with Mathematics Applications.

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.

Pre-Requisites and resources required:

- An 'A' Grade in Year 10 Mathematics Extension class with the teacher recommendation.
- Achieved Category 3 for OLNA Numeracy
- Student must purchase the course textbook before the 1st lesson
- Student will have to obtain a Casio ClassPad calculator

* This course will start Week 6, Term 4 in 2018

AEMAA MATHEMATICS APPLICATIONS (ATAR)

Cost \$60 per year (including \$10 Mathspace fee)

NOTE: Cannot be taken in combination with Mathematics Methods or Mathematics Specialist.

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 analyzing 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.

Pre-Requisites and resources required:

- Strong 'C' grade or better in Year 10 ATAR Maths with the teacher recommendations.
- Achieved Category 3 for OLNA Numeracy
- Student must purchase the course textbook before the 1st lesson
- Student will have to obtain a Casio ClassPad calculator

** This course will start Week 6, Term 4 in 2018*

GEMAE MATHEMATICS ESSENTIAL (GENERAL)

Cost \$60 per year (including \$10 Mathspace fee)

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.

Pre-Requisites and resources required:

- Strong 'D' grade or better in Year 10 ATAR Maths or strong 'C' grade in Year 10 VET pathway with the teacher recommendation.
- Achieved Category 2 or 3 for OLNA Numeracy
- Student must purchase the course textbook before the 1st lesson

** Student will have to obtain a scientific calculator*

SCIENCE LEARNING AREA 2019-2020 PATHWAYS

Course Name	ATAR		VET / General	
	2019 Year 11	2020 Year 12	2019 Year 11	2020 Year 12
Biology	AEBLY	ATBLY		
Chemistry	AECHE	ATCHE		
Human Biology	AHBY	ATHBY		
Physics	AEPHY	ATPHY		
Integrated Science			GEISC	GTISC

In Years 11 and 12, for ATAR students the Science learning area provides further opportunities for specialisation in the biological and physical disciplines of the sciences. For VET students, the Integrated Science course enables students to investigate science issues, in the context of the world around them. It incorporates aspects of biology, chemistry, geology and physics, and can also include less traditional areas such as forensic science and biotechnology. Integrated Science encourages students to be questioning, reflective and critical thinkers about scientific issues.

AEBLY BIOLOGY (ATAR)

Cost: \$50 per year

A unique appreciation of life and a better understanding of the living world are gained through studying the Biology ATAR course. This course encourages students to be analytical, to participate in problem-solving and to systematically explore fascinating and intriguing aspects of living systems, from the microscopic level through to ecosystems.

Students develop a range of practical skills and techniques through investigations and fieldwork in authentic contexts, such as bush lands, endangered species, urban ecology, or biotechnology. Scientific evidence is used to make informed decisions about controversial issues.

Pre-requisites: An 'A' or strong 'B' grade in Chemical Sciences and Biological Sciences by the end of Year 10 ATAR Science course, plus a B Grade in Year 10 ATAR Mathematics.

AECHE Chemistry (ATAR)

Cost: \$50 per year

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.

Pre-Requisites: An 'A' or strong 'B' grade in Chemical Sciences by the end of Year 10 ATAR Science course, plus an A grade in Year 10 ATAR Mathematics.

AEHBY Human Biology (ATAR)

Cost: \$50 per year

The Human Biology ATAR course allows students to analyse the structure and function of body systems, and how these body systems work together to support metabolism and body functioning. Students research new discoveries that increase understanding of human dysfunction, treatments and preventative measures. Also explored are the human reproductive system, mechanisms of transmission of genetic material from generation to generation, and the effects of the environment on gene expression. Students learn to evaluate risks, and benefits to make informed decisions about lifestyle and health, such as diet, alternative medical treatments, use of chemical substances and the manipulation of fertility.

A significant emphasis is placed on using the scientific method when planning investigations and students develop their practical skills when completing laboratory work. The study of Human Biology requires students to familiarise themselves with a large volume of facts. Successful students typically read extensively and establish effective study habits.

Pre-Requisites: An 'A' or strong 'B' grade in Chemical Sciences and Biological Sciences by the end of Year 10 ATAR Science course, plus a B grade in Year 10 ATAR Mathematics.

AEPHY PHYSICS (ATAR)

Cost: \$50 per year

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.

Pre-Requisites: An 'A' or strong 'B' grade in Physical Sciences by the end of the Year 10 ATAR Science course, plus an 'A' grade in Year 10 ATAR Mathematics.

GEISC Integrated Science (General)

Cost: \$85 per year

The Integrated Science General course enables students to investigate science issues in the context of the world around them. It encourages students to develop their scientific skills of curiosity, observation, collection and analysis of evidence within the context of Marine Science and Forensic Science. These topics include aspects of biology, chemistry, geology and physics, which encourage students to be curious about the world around them, and allow them to gain a balanced view of the benefits and challenge presented by science and technology. Students conduct practical investigations that encourage them to apply what they have learnt in class to real-world situations and systems.

Pre-Requisites: None, but an interest in Science and a strong work ethic is required.



Technologies

COMPUTING AND BUSINESS EDUCATION 2019-2020 PATHWAYS

Course Name	VET / General		ATAR	
	2019 Year 11	2020 Year 12	2019 Year 11	2020 Year 12
Computer Science	GECSC	GTCSC	AECSC	ATCSC
Certificate in Business	BSB 20115 Certificate II in Business			
Certificate in Information Technology	ICA 20115 Certificate II in Information Technology			

GECSC COMPUTER SCIENCE (GENERAL)

Vocational Pathway

Cost: \$60 per year

Course Outline

The Computer Science General Course introduces students to the fundamental principles, concepts and skills within the field of computing. They learn how to diagnose and problem solve while exploring the foundations of computing. Students explore the principles related to the creation of computer and information systems; software development; networks and communication; the management of data; the development of database systems; and the moral and ethical considerations for the use of computer systems in today's modern society.

This course provides students with the practical and technical skills to function effectively in a world where these attributes are vital for employability and heavily relied on in today's technical world. The Year 11 syllabus is divided into two units, one for each semester - *Personal use of computer systems* and *Personal use of communication and information systems*.

Unit 1 - Personal use of computer systems

This unit provides students with the knowledge and skills required to use and maintain a personal computer. It introduces a formal method for developing simple information systems and databases. While considering personal needs, students examine the social, ethical and legal implications of personal computer use.

Unit 2 - Personal use of communication and information systems

This unit introduces a formal method for developing networks and internet technologies and writing a sequence of simple instructions. Students examine the social, ethical and legal implications associated with software development.

Minimum entrance requirements: Nil

Further study: GTCSC or TAFE studies

No additional requirements.

AECSC COMPUTER SCIENCE (ATAR)

University Pathway

Cost: \$60 per year

Course Outline

The Computer Science ATAR course focuses on the fundamental principles, concepts and skills within the field of computing and provides students with opportunities to develop flexibility and adaptability in the application of these and in the roles of developers and users.

Knowledge and skills in computer science are practically applied to the development of computer systems, software, networks, peripheral devices and applications used in the home and workplace. Students develop technical skills as they learn how to diagnose and solve problems throughout the course whilst understanding the building blocks of computing.

The impact of technological developments on the personal, social and professional lives of individuals, businesses and communities is investigated. The ethical, moral and legal factors that influence computing are explored so that students recognise the consequences of decisions made by developers and users in respect to the development and use of technology. This course also provides students with practical and technical skills that equip them to function effectively in a world where these attributes are vital for employability and daily life in a technological society. It provides a sound understanding of computing to support students pursuing further studies in related fields. The year 11 syllabus is divided into two units, one for each semester- Developing computer-based systems and producing spreadsheets and database solutions and Developing computer-based solutions and communications.

Unit 1

Developing computer-based systems and producing spreadsheet and database solutions

Students are introduced to the internal, interrelating components of computer-based systems in an industry context. They examine a variety of systems, build on their spreadsheet and database skills and gain an appreciation of how these concepts and technologies are used in industry.

Unit 2

Developing computer-based systems solutions and communications

The focus for this unit is developing computer-based systems solutions and communications. Students are introduced to networking concepts, as applied to industry. Through the use of algorithms, students develop programming skills. They create solutions exploring the ethical, legal and societal implications of industry based applications.

Assessment: Assessment of student performance is based on a set of tasks designed to measure performance of a number of outcomes. A range of assessment tasks will be used and include practical and written works and two end of semester examinations.

Minimum entrance requirements: None, however it is favourable that students completed a minimum of a "C" grade in Advanced Computer Science Year 10 course.

Further study: This course sets the foundations for the Year 12 Computer Science ATCSC course and gives advantages to those students who are considering further study at a State Training Provider or university that has Computing as the major focus or a course that has a strong computing requirement. This course can be used for university entrance requirements.

No additional requirements.

BSB20115 - CERTIFICATE II IN BUSINESS

(Two Year Course)

Course Code C2BUS

Vocational Pathway

Cost: \$45 per year



Course Outline

Students may complete a variety of competencies related to Certificate II in Business. Students learn the required skills in the Student Model Office where they undertake training competencies in a simulated work environment

This work in the simulated office environment is generated by staff and provides students with the opportunity to develop basic business skills (with guidance), build confidence in an office environment and increase employment and further training opportunities at the end of Year 12 in the business industry. Students have used their skills in projects such as the Year 12 ball tickets and chaplain's dinner tickets and menu.

Students who are signed-off as competent in these training competencies will have this accreditation **nationally** recognized. It is envisaged that students completing this course over the two years will have the opportunity to complete the full Certificate II in Business.

The units being studied for this qualification are critical for all young people in the work place and can therefore relate to any industry area students are interested in pursuing once they leave school.

Minimum Entrance Requirements:

None

Further study:

TAFE Certificate III, IV, Diploma or employment in the following areas:

- Administration Assistant
- Clerical Worker
- Data Entry Operator
- Information Desk Clerk
- Office Junior Receptionist

ICA20115 - CERTIFICATE II INFORMATION TECHNOLOGY

(Two Year Course)

Course Code: C2ICT

Vocational Pathway

Cost \$25 per year



Course Outline

This qualification provides the foundation ICT skills and knowledge for an individual to be an effective ICT user or employee. The qualification has a fundamental ICT knowledge and skills base which is pivotal for all other qualifications in ICA05. The 7 core units contain those basic ICT skills and knowledge required for effective entry into all ICA05 qualifications from Certificate III upwards.

To attain the **ICA20111 Certificate II in Information Technology** 14 units must be achieved:

- 7 core units; plus
- 7 electives units

Some of the key concepts which will be covered include:

- Operating a Computer Hardware
- Operating a Computer Packages
- Working effectively in an IT environment
- Installing software applications
- connecting hardware peripherals

Minimum entrance requirements: None, however it is advisable to have achieved at least a "C" Grade in an English course at Year 10.

Further Study: TAFE or employment. The qualification provides foundation general computing and employment skills that enable participation in an information technology environment in any industry. In its own right such a qualification could equip an individual to undertake roles such as office assistant or to work in records management at a junior level.

(Please be advised that students in Year 12 achieving early completion of Certificate II in Information Technology qualification will be encouraged to work towards gaining Certificate III level competencies).



Technologies

DESIGN & TECHNOLOGY 2019-2020 PATHWAYS

Course Name	VET / General	
	2019 Year 11	2020 Year 12
Automotive Engineering Technology	AUR20712 Certificate II in Automotive Vocational Preparation (2 year delivery for complete Certificate)	
Building and Construction	CPC20211 Certificate II Construction Pathways (2 year delivery for complete Certificate)	
Engineering Studies (Metals)	MEM20413 Certificate II in Engineering Pathways (2 year delivery for complete Certificate)	
Materials, Design and Technology (Wood)	GEMDTW	GTMDTW

Courses offered by the Design & Technology department are accessible and practical courses designed to develop students' skills and understandings at an introductory level across industry areas including Automotive, Materials, Engineering & Metal trades, Building & Construction and Wood trades.

By studying a course over two years, students will have the opportunity to complete a nationally recognized Certificate II level qualification in each of these disciplines.

AUR20712 - CERTIFICATE II IN AUTOMOTIVE VOCATIONAL PREPARATION

Cost: \$80 per year

This certificate enables young people to gain entry level skills and knowledge and to help them decide whether they want a career in the automotive industry. This may include:

- Motor mechanic
- Heavy vehicle mechanic
- Brake mechanic
- Panel Beater



The course is delivered in a practical way inside a workshop and covers areas such as battery testing and replacement, OH&S, measuring and replacing parts, servicing vehicles and dismantling engines.

To complete the Certificate 2 in Automotive you must demonstrate competence across twelve Units of Competence.



Assessment:

All of the assessment in this certificate is through practical demonstration and oral/written assessment of the skills learnt.

Further Study and Career Opportunities

Mechanic's Assistant. Completion of Certificate 2 in Automotive provides entry-level studies for the automotive industry. The certificate provides students with immediate knowledge and skills enhancing employment prospects.

Pre-Requisites: None

CPC20211 - CERTIFICATE II IN CONSTRUCTION PATHWAYS

Cost: \$80 per year

The focus for this course is **introduction to building and construction**. The course explores properties of common construction materials. Some of the areas that the students will gain skills in are:

- Bricklaying
- Paving
- Mixing cement
- Using carpentry tools and equipment



A variety of materials are worked with and a range of practical skills are developed. Following Occupational Safety and Health rules and regulations plays an important part of this course.

The focus of the course then shifts to the **basics of building and construction**. This unit introduces properties of common construction materials. Some of the areas that the students will gain skills in are:

Working with standard building materials – wood, bricks, pavers, mortar, cement, correct use of power tools.

Pre -Requisite: None

MEM20413 - CERTIFICATE II IN ENGINEERING PATHWAYS

Course Code: C2ENG

Cost: \$80 per year

This course qualifies students for employment in the engineering production and welding industry. Successful completion of this course may provide students with transferable skills and outcomes (credits) into their apprenticeship, if applicable.

Major Study Areas:

- Metal fabrication
- Hand & power tool
- Safe work practices / OHS
- Basic machining skills
- Electric welding

Pre-Requisites: None



GEMDTW - MATERIALS DESIGN TECHNOLOGY - WOOD

Cost: \$80 per year

The focus for this unit is DESIGN TECHNIQUES in the area of wood. Materials are the basic ingredients of technology. The Materials Design and Technology General course is a practical course. Students examine social and cultural values and the short term and long term impacts of the use and misuse of materials mainly wood and associated technologies.

Working with wood, students develop a range of manipulation, processing, manufacturing and organisational skills.

The main areas of study are:

- Technology process-design work
- Understanding the use of materials-working with wood
- Using technology skills-power and hand tools
- Understanding materials, society and the environment-reduce, reuse and recycle

The students produce small to major projects in wood of their choice.

Technologies

HOME ECONOMICS 2019-2020 PATHWAYS

Course Name	VET / General	
	2019 Year 11	2020 Year 12
Community Services	CHC22015 Certificate II in Community Services	
Food Science and Technology (General)	GEFST	GTFST
Hospitality	SIT20316 Certificate II in Hospitality	

Although the Home Economics courses are not ATAR level, ATAR students are encouraged to select one of these certificate courses as their sixth subject. When studied over two years, Community Services or Hospitality, provide the opportunity to obtain a Certificate II qualification, which may assist with graduation requirements and/or part time work opportunities while undertaking further study.

All of the Home Economics courses are practical, engaging and enjoyable, while providing valuable skills for young people in their transition to independent living.

CHC22015 - CERTIFICATE II IN COMMUNITY SERVICES

(Two Year Course)

Vocational Pathway

Course Code: C2COMM

Cost \$80 per year



We believe in the power
of inspired young people.

The Community Services Industry is vital to sustaining the wellbeing of communities in Australia. Community service workers not only provide child care services that benefit many Australians, they also provide welfare and support services to assist some of the most vulnerable people in the community. These services often complement those provided by family members and volunteers. Activities within this sector include direct community service activities provided to individuals and families, and other community sector activities including working with groups and communities, social planning, advocacy and social action, as well as assistance to other organisations.

In this course students will develop the knowledge and skills to provide support for children and youth, including those with disabilities. Students will complete many practical activities and interact with infants, children and youth, through the running of a playgroup, running activities for Year 7 students, visiting the Belridge Education Support Centre and caring for their own 'virtual' baby.

The Community Services course provides students with the opportunity to achieve nationally recognised vocational qualifications. It requires completion of nine units of competence, five core units and four elective units. The elective units have been selected to provide an introduction to a broad range of knowledge and experience across various contexts of the Community Services Industry. To meet the course requirements and be awarded the full Certificate II in Community Services, this course must be studied over two years and **ALL** of the following units of competency successfully completed:

Core Units

CHCCOM001	Provide first point of contact
CHCCOM005	Communicate and work in health or community services
CHCDIV001	Work with diverse people
HLTWHS001	Participate in workplace health and safety
BSBWOR202	Organise and complete daily work activities

Elective Units

HLTAID003	Provide first aid
FSKDIG003	Use digital technology for routine workplace tasks
CHCDIS007	Facilitate the empowerment of people with disability
FSKOCM07	Interact effectively with others at work

Career Pathways

This qualification may be used as a pathway for workforce entry as Community Services workers who provide first point of contact and assist individuals in meeting their immediate needs. At this level, work takes place under direct, regular supervision within clearly defined guidelines. This qualification may also provide an appropriate pathway into higher level qualifications, such as those in aged and home care, disability, community and child care.

Pre-Requisites: None

GEFST - FOOD SCIENCE AND TECHNOLOGY (GENERAL COURSE)

Course Code: GEFST

Cost \$110* per year

* Full payment must be made upfront in order to enrol in this course

In the Food Science and Technology General course, students develop their interests and skills through the design, production and management of food-related tasks. They extend their knowledge of the sensory, physical, chemical and functional properties of food and apply these in practical situations. Students explore innovations in science and technology and changing consumer demands. New and emerging foods encourage the design, development and marketing of a range of products, services and systems.

The Year 11 syllabus is divided into two units, each of one semester duration, which are delivered as a pair.

Unit 1 - Food Choices for Health

This unit focuses on the sensory and physical properties of food that affect the consumption of raw and processed foods. Students investigate balanced diets, the function of nutrients in the body and apply nutrition concepts that promote healthy eating. They study health and environmental issues that arise from lifestyle choices and investigate factors which influence the purchase of locally produced commodities.

Students devise food products, interpret and adapt recipes to prepare healthy meals and snacks that meet individual needs. They demonstrate a variety of mise-en-place and precision cutting skills, and processing techniques to ensure that safe food handling practices prevent food contamination. Students recognise the importance of using appropriate equipment, accurate measurement and work individually, and in teams, to generate food products and systems.

Unit 2 - Food for Communities

This unit focuses on the supply of staple foods and the factors that influence adolescent food choices and ethical considerations. Students recognise factors, including processing systems that affect the sensory and physical properties of staple foods. They explore food sources and the role of macronutrients and water for health, and nutrition-related health conditions, such as coeliac and lactose intolerance, which often require specialised diets. Students consider how food and beverage labelling and packaging requirements protect consumers and ensure the supply of safe, quality foods.

Students work with a range of staple foods, adapt basic recipes and apply the technology process to investigate, devise, and produce food products to achieve specific dietary requirements. They evaluate food products and demonstrate a variety of safe work procedures, processing techniques and food handling practices.

Career Pathways

Food and allied health sectors represent a robust and expanding area of the Australian and global employment markets. The Food Science and Technology course enables students to connect with further education, training and employment pathways, and enhances employability and career opportunities in areas that include nutrition, health, food and beverage manufacturing, food processing, community services, hospitality and retail.

Pre-Requisites: None

SIT20316 - CERTIFICATE II IN HOSPITALITY

(Two Year Course)

Vocational Pathway

Course Code: C2HOSP

Cost \$110* per year

* Full payment must be made upfront in order to enrol in this course



Hospitality is the business of helping people to feel welcome and relaxed and to enjoy themselves. It is one of the most interesting and challenging industries to work in and offers a wide range of job and career opportunities and an endless variety of places to work in. Hospitality is a booming industry and once qualified, you can work and travel the world. Whether providing customers with accommodation, a meal, a beverage or even entertaining them, it is all about customer service and providing the best experience possible.

In this course students will perform a range of activities and functions requiring basic hospitality knowledge and practical skills. The course is highly practical and students will participate in food preparation, varied activities, and cater many functions, the highlight being The Annual Chaplain's Dinner.

The Hospitality course provides students with the opportunity to achieve nationally recognised vocational qualifications. It requires completion of 12 units of competence, six core units and six elective units. The elective units have been selected to provide an introduction to a broad range of knowledge and experience across various contexts of the Hospitality industry. To meet the course requirements and be awarded the full Certificate II in Hospitality, this course must be studied over two years and **ALL** of the following units of competency successfully completed.

Core Units

BSBWOR203	Work effectively with others
SITHIND002	Source and use information on the hospitality industry
SITHIND003	Use hospitality skills effectively
SITXCOM002	Show social and cultural sensitivity
SITXCCS003	Interact with customers
SITXWHS001	Participate in safe work practices

Elective Units

SITXFSA001	Use hygienic practices for food safety
SITHCCC003	Prepare sandwiches
BSBITU201	Produce simple word processed documents
BSBCMM201	Communicate in the workplace
SITHFAB004	Prepare and serve non-alcoholic beverages
SITHFAB005	Prepare and serve espresso coffee

Career Pathways

This qualification may be used as a pathway for workforce entry as Hospitality workers. At this level, work takes place under direct, regular supervision within clearly defined guidelines. This qualification may also provide an appropriate pathway to higher level qualifications, such as those in kitchen operations, events management, and, tourism and travel.

Pre-Requisites: None

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