CHOICES 2015

Year 12 course Selection Guide
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Welcome

Year 11 and 12 are a new and exciting phase of your education. These are the years during which you will prepare for your future beyond school while you continue to build on the learning experiences of your primary and lower secondary education.

You will find that your studies and experiences in the Senior School are different from the earlier years. Some of the differences include the range of course choices available, smaller class sizes, the closer relationships with teachers and the responsibilities of being a senior student at Kalamunda Senior High School.

The purpose of this guide is to provide you with information on all aspects of Senior Schooling at Kalamunda SHS.

We would like to welcome you to the Senior School and to pass to you the best wishes of the school community for an enjoyable and successful completion of your secondary education.

Mrs Kathy Ritchie
Principal
Introduction

The diversity of courses at Kalamunda Senior High School offers opportunities for young adults preparing for a range of post secondary pathways, including further education, training or employment. In the Senior School there is a strong focus on maintaining and enhancing our ethos to meet the needs of young adults.

Studying at the senior level means that students are expected to take greater responsibility for their decisions. Additionally, students are required to be more self-directed in their study and organisation.

This guide contains information to help students decide which courses to study in Years 11 and 12. The options are many and the need for discussions with parents, teachers, counsellors and others is very important. Students and parents are advised to make themselves familiar with the contents of this Curriculum Information Guide, in addition to all other information available to them.

Parents are an important part of this process as they provide the biggest single influence in a student’s choice of direction. Students will be looking for guidance and support in making informed choices and parents are asked to be active participants in information sessions, counselling and interviews.

School Leaving Age

Legislation was passed by the WA Parliament in November 2005 to raise the school leaving age. The school leaving age was increased to 17 years of age from 2008. This means that students must engage in one of the following options:

- Attend school in full time capacity
- Full-time enrolment in a training institution, eg. State Training Providers (formally TAFE) or private registered training organisation (RTO).
- An apprenticeship or traineeship
- A gazetted course provided by a community based provider
- Full-time approved employment

If students are NOT returning to Kalamunda SHS in 2015 for Year 12 and wish to engage in one of the above options they must complete a Notice of Arrangement form available from the front office. No forms are required for students engaging in full time State Training Provider (TAFE) courses, traineeships or apprenticeships.
Course Selection Process

The course selection process used to help students to select appropriate courses consists of a number of stages:

Information Evenings
These evenings are designed to give a general overview regarding the Western Australian Certificate of Education (WACE), entry to University and State Training Providers (formally TAFEs), Workplace Learning and Vocational Education and Training opportunities.

Students participate in a Career Education Program
This program for Year 10 students will be run during Term 2 and is facilitated through the English and Society and Environment Learning Areas. The aim of the program is to encourage students to identify their career interests and to select a senior school course that provides the opportunity to achieve these career goals.

All Year 10 students have the opportunity to attend the Career Expo in May.

Students access the online Curriculum Information Guide (Choices 2014) http://www.kalamundashs.wa.edu.au/?q=node/20 and Subject Selection Online http://www.kalamundashs.wa.edu.au/ via the Kalamunda Senior High School website:

This guide contains information on:
- The Western Australian Certificate of Education (WACE) requirements;
- The courses offered in 2014;
- The minimum entrance requirements for each course;
- The estimated cost of each course and other requirements.

Students make Selections
Students access Subject Selections Online (SSO) to make selections.

Individual Course Counselling Appointments
Individual appointments to meet with a member of the Senior School counselling team will be made for students and parents. These appointments will be scheduled towards the end of Term 2. Students will be required to bring their completed 2014 Student Selection Report (downloaded after course selections have been made in SSO), which should indicate the 6 courses that the student would like to study at Kalamunda Senior High School. Teachers will make course recommendations to assist in the decision making process. These recommendations will be based on results from the Year 10 semester 1 report (in the case of Year 10 students) and on the first semester results in Year 11 (in the case of Year 11 students). It is important to use these teacher judgements in making good choices to increase the likelihood of your success in Senior School studies.

In the majority of cases students will be able to study their 6 preferred courses for Year 11. Occasionally, a student chooses a pattern of courses that is uncommon and two of their courses occur at the same time. In these cases students will be contacted to discuss their options. In addition, if a student has chosen a course which does not run due to low numbers, they will be contacted regarding an alternative choice.
**FLEXeLEARN Collaborative Delivery Courses**

A collaborative network of schools called the Hills Education Precinct (HEP) has been created across Darling Range Sports College and Kalamunda and Lesmurdie Senior High Schools to enable students attending these schools to select senior school courses that previously may not have been available to them.

The Hills Education Precinct schools have developed an innovative way to help students access and study the courses they aspire to via Video Conferencing and limited face to face teaching time called Flex-e-learn.

The three schools: Darling Range Sports College, Kalamunda and Lesmurdie Senior High Schools, will offer a selection of Flex-e-learn courses in 2014. These are courses that are available to students regardless of the current school at which they are enrolled.

This innovative approach to sharing school expertise and resources helps to create a greater choice of courses for students. The Flex-e-learn approach offers courses across school sites that will use a mix of learning technologies including: video conferencing, on-line and some scheduled face to face learning.

The school at which the student is enrolled remains the student’s home school and the school delivering the flex-e-learn course is the host school.

Students can select a maximum of 2 courses to be delivered by Flex-e-learn.

The courses to be offered are indicated in the course selections by an asterisk * and the letters FL.

**Flex-e-learn Course Standards:**

A degree of independent study is required for all students enrolled in Flex-e-learn courses, expectations regarding good standing and success in lower school courses is a prerequisite.
School Charges

Contributions and Charges

For most courses in the Senior School text books are required to be purchased as well as course charges. Books are available from Wooldridges book shop either on line or by visiting in person. Booklists and course charges are sent to families at the end of each year. Estimated course costs are listed so that parents understand the financial commitment for each course.

In Years 11 and 12 all course charges are compulsory.

The school requires a 50% confirmation charge for high cost units. This charge needs to be paid in fourth term of the year prior to taking the course. If a student has selected high cost units (more than $60), families will be sent an account for these courses.

This confirmation payment secures a place for the student in the course and assists the school with the timetables and the deployment of staff.

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 (eg. excursions, camps, etc.)
(b) other optional school-based activities which address broad learning outcomes and for which there is a cost (eg. School and social events, such as graduation dinners or school balls, etc).

Participation in optional activities (b) is voluntary, but a compulsory charge is payable if the student chooses to participate.

If you require assistance or advice on these charges please contact the School Business Manager.

Financial Assistance

The Secondary Assistance Scheme is available to secondary students whose parents hold Centrelink Family Health Care or Pensioner Concession Cards or Veterans’ Affairs Pensioner Concession Cards. The scheme includes the Clothing Allowance ($115 paid to school or parent) and Educational Program Allowance ($135 paid directly to the school).

If you think you are eligible for the Secondary Assistance Scheme, please apply through the school before the end of March.

Students in receipt of ABSTUDY are eligible for the ABSTUDY Supplement Allowance.

B.1.1 Eligibility
The Secondary Assistance Scheme is available to students up to and including the year in which they turn 18, and only if they have a parent who is a holder of one of the prescribed cards listed below:

- Centrelink Pensioner Concession Card; or
- Centrelink Health Care Card (Family card only – not for a specific child for medical purposes, viz: “CDA” type [Child Disability Allowance]); or
- Department of Veterans’ Affairs Pensioner Concession Card.
- Cards that are not eligible are TPI and Gold Cards.

A Youth Allowance is available for eligible students through Centrelink when they turn 16 – generally this is in Year 11.
Ensuring Your Success

Pre-requisite grades for ATAR courses

Pre-requisite grades for each course are included in each of the course descriptions. These are stated to help you choose appropriate courses in which you should succeed – provided you work hard. As a guide students will require an A or B grade to study ATAR courses.

Homework/Study Commitments

Before you decide on which type of course to study, you need to consider the type of commitment you are able to give out of school hours. Students undertaking courses leading to an Australian Tertiary Admission Rank (ATAR), normally a Stage 2 - Stage 3 courses pathway, need to do a minimum of 3 hours study per course per week, each and every week. That means if you are studying 5 such courses, you need to do a minimum of 15 hours of homework and/or study per week.

Students undertaking a VET (Stage 1 and Certificate courses) 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 a minimum of 9 hours of homework and/or study per week.

Homework does not only consist of the work given to you by the teacher, but also of a self-directed component. This may include organising your notes, revision, research, exam study, practical study or additional tasks or questions.

Handing in Your Work on Time

It is vital in Year 11 and 12 that all assessment work is handed in on time, for all courses. Failure to do so jeopardises your grades, may result in a U (unfinished) notation – meaning the course does not count towards WACE completion requirements and does not allow you to achieve to your potential. See Senior School Assessment Policy

Attendance Commitment

Your attendance and participation in class is the key to achieving 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. See Senior School Good Standing Policy

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 Associate Principal (Senior School), so that arrangements can be put in place. This is a School Curriculum and Standards Authority requirement.

The Senior School Assessment Policy, given to all Year 11 and 12 students at the commencement of the school year, details procedures for notifying staff of absences.
Course Choices

When choosing your courses:
- You have made a COMMITMENT for two years. It is advisable to follow your Year 11 course through to the end of Year 12, particularly for Stage 2/3 pathways. Most often Certificate courses are completed in one year.
- Read the detailed course descriptions contained in this guide.
- Consider your interests and abilities and your career aspirations.
- Check that you have achieved the minimum entrance requirements.

There may be some unacceptable course combinations for university pathways. For further details, please refer to the 2015 Admission Requirements for School Leavers which can be downloaded from www.tisc.edu.au

Choosing a Course

Before determining which courses to take, make sure you thoroughly read and understand all of the information contained in this guide. Think about selecting courses that suit your abilities, interests and ambitions. Try the VISA test-

Values: Think about the conditions under which you like to work, the hours, job security, the challenge and where the job may take you. What is important to you?

Interests: Think about what you like and do well – the sort of things you have enjoyed doing at school, around the house, in part time or casual work, your hobbies and interests.

Skills: Think about the special skills needed to do a particular job and whether you have those skills.

Abilities: Think about your strengths and weaknesses. Look at your school results. Choosing courses in areas you are good at will lead to greater success in senior school studies.

Types of Courses Offered

Three types of courses - Curriculum Council Developed, Vocational Education and Training (VET) and Curriculum Council Endorsed courses will be offered. These are known as

- Courses (eg English, Mathematics)
- VET (eg Certificate II Business)
- Endorsed Programs (eg Workplace Learning 1)

Council developed courses are assessed using Grade Related Descriptors, and are graded A-E. VET courses are assessed by students gaining credits towards a nationally recognised qualification (Certificate) within the Australian Qualifications Framework (AQF). Council Endorsed courses are awarded “Unit Equivalence” - 55 hours = 1 course unit.

Students study SIX courses (of paired units or Certificates) in Year 11 and generally SIX courses (of paired units or Certificates) in Year 12. Students should aim to choose a pathway that they will continue to study for the two years. Once a student has commenced their program of study, course changes are discouraged and are usually only considered in the case of a student being in a program of study that is too difficult for him/her. This situation must be addressed early as it is extremely difficult to “catch up”, even in an “easier” course.

All course units described in this guide are governed by the syllabuses and assessment structures of the Curriculum Council. These syllabus statements are available from the School Curriculum and Standards Authority website – www.scsa.wa.edu.au
Examination (WACE) Courses or Stage 2 / 3 Course Units

These courses (studied in Year 12) are examined externally for the purposes of university entrance. Examinations covering the Year 12 course in each WACE course (stage 2/3 course unit) are held in November every year. Specific dates for examinations are available from the Schools Curriculum and Standards Authority [http://www.scsa.wa.edu.au](http://www.scsa.wa.edu.au). Most Stage 2 paired course units studied in Year 11 are studied as Stage 3 paired units in Year 12. For example, 2A and 2B English studied in Year 11 is followed by 3A and 3B English in Year 12.

It is recommended that students aiming for university entrance study a minimum of five stage 2 courses (five pairs of stage 2 units) in Year 11 and five stage 3 courses (pairs of stage 3 units) in Year 12. Students undertaking a pair of Stage 2 or 3 units in Year 12 will sit a compulsory external examination in each course which will be used for the purposes of university entrance.

For stage 2 and stage 3 courses studied in Year 12, students will receive a grade based 50% on a mark submitted by the school (the average of the two marks achieved for a pair of units) and 50% on the mark attained in the external examination. Students who wish to apply for a university course must study at least 4 pairs of units at stage 2/3 level (e.g. 3A and 3B). It is highly recommended that students select a minimum of 5 courses.

**Stage 1 Course Units:** These course units do not have any external assessment components and are completed at the school level. These course units do not contribute to direct university entrance eligibility. These course units provide entry pathways to State Training Providers (TAFE), further training or employment.

**Vocational Education and Training (VET)**

These courses are governed by the Australian Quality Training Framework (AQTF), and result in the awarding of Units of Competence (UoC) and/or Certificates I – IV. AQTF / VET qualifications do not contribute to direct university entrance eligibility. Successful completion of these courses is an advantage for students who are aiming to apply for further training pathways (eg State Training Providers (TAFE)) and may be an advantage for students who currently have a well informed career direction and are keen to pursue an AQF qualification (eg Traineeships, Apprenticeships).

Certificate qualifications for senior school students are delivered at KSHS and/or State Training Providers (STP) campuses such as Polytechnic West or Central Institute. If students wish to do one or many courses offered by STPs at their campuses (usually one day a week), they must apply separately and offers cannot be guaranteed. Most applications will require students to attend an interview with STP staff prior to offers being made.

Full time Year 12 students who are enrolled to complete, in the current year, at least 220 nominal hours of VET AND three or fewer Stage 2/3 units may apply for exemption from sitting the external examinations for these units.

VET Certificates are awarded after completion of a given number of Units of Competence from an Industry Training Package. Nominal hours are allocated to each UoC and used as VET Credit Transfer and can reduce the required number of completed course units required to achieve a WACE. Completion of VET Certificate courses can make students more competitive for TAFE entry, as TAFE awards points for VET Qualifications (see P18).
**LIST A and LIST B Courses offered for Year 11 and Year 12, 2014**

Students must choose at least one course from each of the lists.

<table>
<thead>
<tr>
<th>LIST A</th>
<th>LIST B</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAE Career and Enterprise</td>
<td>AIT Applied Information Technology</td>
</tr>
<tr>
<td>CFC Children, Family and Community</td>
<td>BIO Biological Sciences</td>
</tr>
<tr>
<td>DAN Dance</td>
<td>CHE Chemistry</td>
</tr>
<tr>
<td>DRA Drama</td>
<td>DES Design</td>
</tr>
<tr>
<td>ENG English</td>
<td>FST Food Science and Technology</td>
</tr>
<tr>
<td>GEO Geography</td>
<td>HBS Human Biological Science</td>
</tr>
<tr>
<td>LIT Literature</td>
<td>ISC Integrated Science</td>
</tr>
<tr>
<td>MPA Media Production and Analysis</td>
<td>MDT Materials, Design &amp; Technology</td>
</tr>
<tr>
<td>HIM Modern History</td>
<td>MAT Mathematics</td>
</tr>
<tr>
<td>MUS Music</td>
<td>MAS Mathematics Specialist</td>
</tr>
<tr>
<td>PAL Politics and Law</td>
<td>OED Outdoor Education</td>
</tr>
<tr>
<td>VAR Visual Arts</td>
<td>PSY Psychology</td>
</tr>
<tr>
<td></td>
<td>PES Physical Education Studies</td>
</tr>
<tr>
<td></td>
<td>PHY Physics</td>
</tr>
</tbody>
</table>

It is very important when selecting a course that attention is paid to minimum entry requirements and the teachers' recommendations. It may not be possible to timetable courses if they are chosen by a very small number of students.
Further Education Pathways

Year 12 Selections

University Pathway – Stage Two / Stage Three Pathway
Most students will continue in their WACE courses and move into stage three course units in Year 12. Some students may have a combination of Stage 2 and 3 courses. However, students must have attained a scaled score of 50% across a minimum of 4 WACE stage 2/3 paired units at the end of Year 11. If this is not achieved a student may choose one of the following options:

- repeat Year 11
- change to a more appropriate WACE course, generally Stage 1 and Certificate courses
- change to a VET pathway course.

Due to the increased complexity of Stage 3 courses, examination results for these courses will attract an increment of 15 marks over the Stage 2 equivalent. Preliminary scaling prior to the addition of the increment, introduced in 2009, is used to further discriminate between Stage 2 and Stage 3 results. As a result, students and parents need to make considered decisions regarding the course pathways chosen.

All students in their final year who are enrolled in stage 2 or 3 units will sit WACE exams for each course unless exempt.

It is important to keep in mind that Stage Two courses studied in Year 12 will be examinable, and hence may contribute towards an ATAR (Australian Tertiary Admission Rank). It is highly unlikely that students completing Year 12 with more than two Stage 2 courses will achieve a competitive ATAR. Students seeking a competitive ATAR should be predominantly studying Stage 3 courses in Year 12.

WACE Course Structure

General course structure

Withdrawing From a Course to Have Independent Study Time

This option may be available to Year 12 students who are studying an ATAR pathway program and is allocated on the basis of academic merit or when, in the opinion of school staff, it is seen to benefit a student’s educational outcomes. As a guide, Year 12 students may withdraw from one course, if their remaining courses are all at stage 3, for study time at the start of Year 12, provided they have passed all 6 courses in Year 11 and have a ‘B’ average in 5 of those courses. Students may also need to demonstrate a capacity to effectively use independent study time. This option is NOT available to students studying all Stage 1 and 2 or Certificate courses or a combination that has less than 4 ATAR courses. Applications must be made to the Associate Principal (Senior School) and will be considered on an individual basis.
Changing Courses

When a student selects a program of study, he/she is committing to the courses for the year. Occasionally courses are only a semester in length and changes can be made after one semester if a place is available in another suitable course. Course changes are discouraged and can be avoided by:

- Choosing appropriate courses – note the Minimum Entrance Requirements
- 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 (eg. too difficult or too easy), it is recommended that the student arranges to meet with the Associate Principal as soon as possible and, at the latest, prior to the end of Week 5, 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.

Western Australian Certificate of Education (WACE)

School Curriculum and Standards Authority (formally Curriculum Council)

The School Curriculum and Standards Authority is the government body in WA responsible for all courses, Statements of Results, external exams and WACE. By achieving WACE you demonstrate to potential employers, training organisations or tertiary institutions that your work during Years 11 and 12 has been completed to a certain standard.

The School Curriculum and Standards Authority will issue the following documents for students at the completion of Year 12:

- A Statement of Results will be issued to all students who complete at least one course unit, endorsed program or VET unit of competency
- The Western Australian Certificate of Education (WACE) will be issued to all students who meet the specified requirements
- WACE report is issued to students who sit a WACE exam in that course (only Stage 2 and 3)

Statement of Results

All course units, VET qualifications, VET units of competency, and endorsed programs completed in Years 10, 11 and 12 contribute towards WACE. All of this information will be listed on the Statement of Results.

Western Australian Certificate of Education (WACE)

The Western Australian Certificate of Education is awarded to school students who satisfy the requirements. Generally, students will complete two years of senior secondary study, although the School Curriculum and Standards Authority’s provisions enable students to meet the WACE requirements over a lifetime. Schools are catering for students who are university bound, those who have specific vocations in mind involving further education and training and those who are planning to enter the workforce. Education and training courses are available to provide all students with the opportunity to develop knowledge, understanding and skills about themselves, their community and the broader world in which they live.
WACE Requirements 2013 – 2015

- **Breadth and Depth:**

  Complete a minimum of 20 units (or equivalent)
  The course units must include at least:
  - Four course units from English and/or Literature studied during Year 11 and Year 12 (at least two of these units must be completed in Year 12)
  - One pair of course units from each of List A (arts / languages / social science) and List B (mathematics / sciences / technology) completed in Year 12.

  **Repeated units can only be counted once**

- **Achievement Standard Requirement:**

  - Achieve a C grade average or better across at least 16 course units of which at least 8 must be completed in Year 12
  - Endorsed programs and /or VET credit transfer can reduce the required amount of course units by up to six units.

- **English Language Competence:**

  - Achieve a C grade or better in any Stage 1 or higher course unit from the English or Literature courses
  - If students have not achieved a C grade in one of their English or Literature course units, they must meet English language competence standard (work samples) as defined by the School Curriculum Standards Authority.

- **Examinations**

  - WACE courses - mandatory separate exams for Stage 2 and Stage 3 courses (unless exempt). Students MUST sit external exams to complete Stage 2/3 course units.

Parents and students are advised to check the School Curriculum and Standards Authority website, [http://www.scsa.wa.edu.au](http://www.scsa.wa.edu.au) for the most up to date information on the requirements for the achievement of the WACE. Alternatively, contact the School Curriculum and Standards Authority, 27 Walters Drive, Osborne Park WA 6017, phone (08) 9273 6300.
University Entrance Requirements

In order to be considered for university admission, a school leaver WACE applicant should have:
(a) met the WACE requirements as prescribed by the School Curriculum and Standards Authority
(b) achieved competence in English as prescribed by the individual universities
(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.

Note:
Students in Year 11 in 2014 should refer to the 2016 Admission Requirements for School Leavers.

Students may also make contact directly with the universities for information on courses and admission requirements. University Websites have specific sections for prospective/future students, parents and guardians and even sections for Year 10 students.

Curtin University of Technology
www.curtin.edu.au
Prospective Students Services
Phone: (08) 9266 2710 / 9266 2662
Email: undergrad@curtin.edu.au

Edith Cowan University
www.ecu.edu.au
Student Recruitment
Phone: (08) 6304 6304
Email: admissions@ecu.edu.au

Murdoch University
www.murdoch.edu.au
Prospective Students and Admissions Centre
Phone: 1300 Murdoch
Email: admissions@murdoch.edu.au

The University of Western Australia
www.uwa.edu.au
UWA Admissions Centre
Phone: (08) 6488 1226
Email: admissions@uwa.edu.au

The University of Notre Dame (Private)
www.nd.edu.au
Phone: (08) 9433 0555
Email: enquiries@nd.edu.au
State Training Providers (formally TAFEWA) Entrance Requirements

State Training Providers entry processes and requirements have changed. Parents and students should access the latest and most detailed information, including Minimum Entrance Requirements, from the Department of Training and Workforce Development website, at http://www.trainingwa.wa.gov.au/trainingcourses/detcms/portal

The STP skills calculator at http://tasonline.tafe.wa.edu.au/Reckoner/Default.aspx can be used by students to check whether their current educational achievements meet entrance criteria for specific Training courses. The Department of Education’s VET Information service, at http://vetinfonet.dtwd.wa.gov.au/Pages/Home.aspx is also a useful site for students to explore.

For additional information, students and parents are encouraged to contact the Career Development Centre
Phone: (08) 9224 6500 or freecall 1800 999 167
Email: career.developmentcentre@education.wa.edu.au

As a guide only, key points of the new State Training entry requirements include:

Qualifications offered by State Training Providers 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.

Where selection criteria are applied, the following model is currently proposed:

<table>
<thead>
<tr>
<th>State Training Providers Selection Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum 100 points</td>
</tr>
<tr>
<td><strong>Secondary Education Achievement/Skill Development</strong></td>
</tr>
<tr>
<td>[Maximum 42 points]</td>
</tr>
<tr>
<td>Points allocated according to levels of achievement in 3 courses, including English or Literature.</td>
</tr>
</tbody>
</table>

What does this mean for students selecting their learning program for Year 12?

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 courses, in addition to an English course, would typically include in their program of study a Maths and Science course, combined with other 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.

Many trade qualifications require Stage 2 courses, especially in Maths, for areas such as electrical, metals and automotive. Completing a VET qualification (AQTF Certificate) at school will increase a student’s chances of entry to competitive Training courses. Participating in all classes and learning experiences and submitting all work on time are the most important strategies for doing this.
SECTION 2

COURSE UNIT DESCRIPTIONS
THE ARTS LEARNING AREA

2015 PATHWAYS

<table>
<thead>
<tr>
<th>THE ARTS</th>
<th>VET</th>
<th>WACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISUAL ART</td>
<td>Year 12</td>
<td>Year 12</td>
</tr>
<tr>
<td></td>
<td>1C</td>
<td>1D</td>
</tr>
<tr>
<td>FASHION DESIGN</td>
<td>Dimensional Design</td>
<td>Dimensional Design</td>
</tr>
<tr>
<td>DANCE</td>
<td>1A</td>
<td>1B</td>
</tr>
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# Year 12 students who have completed this Certificate in Year 11 may continue their studies in fashion by doing 1A/B Dimensional Design
Dance – Year 12
Course Units 1ADAN / 1BDAN (Run as combined units in a full year course)
Vocational Pathway

Course Outline
Dance is for students who have an enthusiasm for dance. It provides a unique opportunity to develop physically, creatively, emotionally and intellectually through both “practical” and “theory” components. A variety of genres are explored such as jazz, contemporary and cultural dance. During the course the students will have opportunity to explore the components of dance through movement exploration and investigation. Students will also develop their understanding of dance as entertainment, and its place within society.

Students will be required to view a live performance. They will also be required to perform for an audience in the dance styles studied.

Skills Outline
- Exercises and routines chosen from: jazz, ballet, contemporary, commercial dance, traditional dances and ballroom.
- Public performances in a variety of dance genres.
- Writing dance reviews.
- History of Dance.
- Anatomy and safe dance practices.

Minimum Entrance Requirements
Year 10 Dance with a minimum B grade, or private dance school for at least one year.

Estimated Cost
$120.00 (full year); includes course materials and use of costumes for public performances. Extra costs – uniform – navy dance uniform, jazz shoes (essential) and the cost of attending live performances.

For more information go to the following link:
Dance – Year 12
Course Units 3ADAN / 3BDAN (Run as combined units in a full year course)
University Pathway

Course Outline
Dance is for students who have a passion to extend their knowledge of dance and also to push the boundaries. Dance provides a unique opportunity to develop physically, creatively, aesthetically, emotionally and intellectually through both “practical” and “theory” components. A variety of genres, are explored such as jazz, contemporary, cultural and fringe dance. Students will explore and develop ways that dance can be used to show a youth voice and create unique works that extend the boundaries of dance context.

Students will be required to view and critique live performances. They will also be required to perform for an audience in the dance styles studied.

Skills Outline
- Demonstration of performance and genre techniques, chosen from: jazz, ballet, contemporary, experimental dance, traditional and international dance and ballroom.
- Public performances in a variety of dance genres.
- Choreographic skills.
- Knowledge of international trends in dance.
- Writing dance critiques, both in class and as part of a written exam.
- A practical exam demonstrating pre prepared dances and creative exploration.

Minimum Entrance Requirements
Successful completion of 2A & 2B with a minimum of C Grade

Further Study

Estimated Cost
$130.00 (full year) includes course materials and use of costumes for public performances. Extra costs – uniform – navy dance uniform, jazz shoes (essential) and the cost of attending live performances.

For more information go to the following link:
Design – Photography – Year 12
Course Code 1ADESP/1BDESP
Vocational Pathway

Course Outline
The goals of the Design course are to facilitate a deeper understanding of how design works; and how ideas, beliefs, values, attitudes, messages and information are effectively communicated to specific audiences with specific intentions or purposes via visual media forms. This course aims to achieve these goals by exposing students to a variety of communication models, and thorough exploration of design forms. Within the Photography context, design is studied using analogue and/or digital photographic systems.

The course content is divided into three content areas:
- design principles and process
- communication principles and visual literacies
- production knowledge and skills.

1ADESP
The focus for this unit is design basics.

Students understand that design is a discipline area with its own history, traditions and tools and techniques. Students are introduced to design elements and principles and design process and practice. They are introduced to basic drawing skills and a range of techniques to demonstrate their control over the elements of design. Students are introduced to basic production skills and process, materials and technologies.

1BDESP
The focus for this unit is applied design.

Students understand that design can be used to solve problems and to satisfy user needs. They are introduced to ethical and legal issues relating to the creation and use of design. Students expand visualising/rendering techniques and a basic lexicon of terminology for design principles. Students increase familiarity with basic production skills and processes, materials and technologies.

Minimum Entrance Requirements
An enthusiasm for photography
Experience in photography in lower school is preferred, but not essential.

Further Study
Year 12 Design Photography 1C/1D
TAFE

Estimated Cost
$60.00 (per semester)

Excursions/Additional Requirements
Students will need to provide an A3 display binder file, 8gb SD card.

For more information go to the following link:
Drama – Year 12  
Course Code 1ADRA/1BDRA  
Vocational Pathway

Course Outline
An exciting exploration of the many and diverse faces of Theatre. The course includes visits and workshops from professional theatre practitioners and excursions to professional theatre productions. Students are introduced to the skills, techniques and conventions of storytelling, improvisation and play building. The emphasis is on improvisational skills, characterisation and creation of original drama that has the opportunity to be entered into YOHFest (The State Performing Arts Festival held in the Mandurah Performing Arts Centre in Term 3) and/or our end of term production. Students will work individually and within a team environment to devise, interpret and produce drama. Students participate in public performances, creating a new work or a staged version of a scripted drama. There is also an emphasis on production roles; lighting, sound, costume and makeup, stage management, publicity and front of house. These roles are explored with a view to supporting other performances.

Skills Outline
Students develop and refine the following skills and techniques:
- The use of voice and movement.
- Devising, developing and refining original drama
- Design elements, such as costume, make-up, lighting, props, sound effects, computer-generated imagery (audio/visual) and set are examined.

** The course contains both practical and written components that include keeping and maintaining of a Drama Folio.

Minimum Entrance Requirements
C grade in Drama 2A/B  
Note: if not studied in Year 11 then a Year 10 Theatre Arts unit desirable but not essential

Further Study
Training TAFE courses in Arts, Hospitality, Tourism and Entertainment and public relations fields

Estimated Cost
$65.00 (per semester) – includes folio & equipment charges, text hire, workshop and production costs and entry into YOHFest.

Excursions/Additional Requirements
2 days of theatre excursions during school time. 2 after school rehearsal time slots for tech/dress rehearsal and performance.  
Students have the opportunity of attending extra theatre excursions after school that are highly recommended. Extra cost is involved

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Drama
Drama – Year 12
Course Units 3ADRA/3BDRA  (Run as combined units in a full year course)
University Pathway

Course Outline
This is a challenging and exciting continuation of the journey into the world of the Theatre and its allied art forms, exploring both the stage and its technologies, culminating in a solo piece of devised theatre.

Students will research, workshop, interpret, perform and produce texts of realistic and non realistic drama. They will see professional theatre productions in Perth and visit WAAPA. Students will refine acting techniques through an extension in their use of voice and movement. They will consider how to interpret, design and stage play texts to reach a modern audience. They will undertake production roles and collaborate to work safely and stage their drama as a production team, culminating in a solo original drama for the WACE Practical Exam.

There are two written and practical exams culminating in a final WACE Written and Practical Exam. This course is demanding.

Skills Outline
Students refine the following skills and techniques:
- Voice and movement
- Dramatic action and the elements of dama
- Devising and interpreting scripts for performance
- Design elements such as set and performance spaces

** Students are expected to participate in performances that may involve out of school rehearsals and performance.
** The course includes both practical and written components that include keeping and maintaining of a Drama Folio.

Minimum Entrance Requirements
C grade in Drama Units 2ADRA/2BDRA – stage 2 completion is compulsory to enter Stage 3.

High level of English skills achievement for students who have a limited background in Drama/Theatre Arts study

Drama teacher recommendation

Further Study
University/TAFE entry or employment in the Arts/Hospitality/Tourism/Entertainment Industries

Estimated Cost
$165.00 (per year) – includes folio & equipment charges, text hire, workshop and production costs and compulsory Theatre and Arts Industry excursions.

Excursions/Additional requirements
3 days compulsory theatre performance/WAAPA /Industry related excursions. One term of after school rehearsals with one matinee (during school time) and 2 evening performances are compulsory. Dress code of ‘theatre blacks’ (black full length leggings / tracksuit pants and black top with sleeves – students must be able to move freely in these clothes)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Drama
Media Production & Analysis – Year 12
Course Codes  1CMDA/1DMPA
Vocational Pathway

Course Outline
Entertainment and Infotainment

In the Media Production and Analysis 1A/B course, students explore media in the contexts of music videos, and television and film aimed at WACE aged audiences. Students will produce media projects including music video, short films, mini documentary and the Year 12 Leavers DVD. An understanding of media language considering media forms, narrative, codes and conventions, representations and skills and processes. They will also consider how audiences are complex groups of people with unique histories, experiences, attitudes and values that they bring to their understanding of media texts. Through production of media texts students will gain conceptual and process skills and an understanding of the many factors that shape media texts. This course is ideal for students who enjoy Media Studies but do not wish to pursue Tertiary pathways.

Skills Outline
Students view, listen, read, research, analyse and discuss media, considering how people, events and issues are represented. They also create, produce and present their own works in media. Working independently and in collaboration with others, they become confident and competent in using media technologies to express their ideas.

Further Studies
TAFE studies

Estimated Cost
$50.00 (per semester)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Media_Production_and_Analysis
Media Production & Analysis – Year 12 (Media Art/Power and Persuasion)
Course Units 3AMPA/3BMPA
University Pathway

Course Outline
Students examine the role that the media plays in popular culture. We look at film and music videos as well as other media forms. Press and Broadcasting looks at the role of documentaries and news in the media. Students are required to produce their own production. An understanding of media language considering media forms, narrative, codes and conventions, representations and skills and processes is gained. They will also consider how audiences are complex groups of people with unique histories, experiences, attitudes and values that they bring to their understanding of media texts. Through production of media texts students will gain conceptual and process skills and an understanding of the many factors that shape media texts.

Skills Outline
Students view, listen, read, research, analyse and discuss media, considering how people, events and issues are represented. They also create, produce and present their own works. Working independently and in collaboration with others, they become confident and competent in using media technologies to express their ideas.

Further Studies
University studies
TAFE studies

Minimum Entrance Requirements
Media Production and Analysis 2A/2B C Grade

Estimated Cost
$50.00 (per semester)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Media_Production_and_Analysis
Visual Arts – Year 12
Course Code 1CVAR / 1DVAR
Vocational Pathway

Course Outline
Visual Arts is an exciting and enjoyable course. It is suited to anyone who really likes Art. The course is almost entirely practical and there are no exams. Producing quality work and meeting deadlines is important. Choose it if you wish to work in an active and creative environment, producing work in a variety of skills areas like painting, drawing, screen printing, fashion, interior design, graphics, textiles and community art.

There may be an opportunity for Nationally Based Units of competencies to be added into this course.

Skills Outline
- Investigate and develop understandings of art.
- Create artworks by applying skills.
- Visual literacy, art appreciation, visual culture and studio/workshop skills can be learnt, enhanced and developed.
- Students will work in a number of studio areas.
- Course will be 80% Practical 20% Written

Minimum Entrance Requirements
Prior experience in the Visual Arts in lower school.

Further Study
TAFE.

Estimated Cost
$130.00
Students may be required to pay for class excursions to view works of art. This is an integral part of this course (usually $5.00)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Visual_Arts
Visual Art – Year 12
Course Code 3AVAR/ 3BVAR  (Run as combined units in a full year course)
University Pathway

Course Outline
These Units provide a stimulating and challenging focus for the study of the visual arts. The courses combine knowledge, imagination and appreciation.

The Units cater for a range of students who are seeking university entrance and introduce art students to a more in depth and complex use of visual language in which to develop a range of solutions. Students work towards culminating in a formal exhibition of their ‘body of work’ which reflects the progressive exploration and resolution of their ideas and points of view. The student’s final body of work must explore the media, techniques and processes of at least one of the following studio areas: painting, printmaking, graphic art, creative photography, ceramics, textile, digital media’s and sculpture.

A body of work is a collection of paintings, prints, ceramics, animations/film on digital media DVD, fashion pieces, graphic work and sculptures. The student can combine a number of the above studio areas.

Skills Outline
The students will complete a ‘body of work’. The assessment is based upon:
• Process Journal
• An exhibition of their ‘body of work’
• A written art history examination

Minimum Entrance Requirements
C Grade in 2A/B VAR in Year 11 Visual Art
English 2A/2B is highly desirable.

Further Study
TAFE, University or other

Estimated Cost
$140.00
Students may be required to pay for class excursions. This is an integral part of this course.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Visual_Arts
Cert II in Live Production and Services
Course Code CUE2021

Course Outline
In this 2 year course you will learn all about working in the theatre industry. A large part of this course involves participating in theatre events; you will have the opportunity to perform on stage in the YOH Fest competition (Youth on Health Festival) and other performance events either in the Performing Arts Centre or KADS Theatre in Kalamunda. You will also gain hands on experience working in the production roles (backstage) of theatre; events management, sound, front of house and publicity, designing and constructing sets for the stage and assisting with the ‘bump in’ and ‘bump out’ of shows. You will learn how to work in this environment safely and perhaps most importantly gain skills in how to work effectively with others and resolve conflict.

Units of Competency
BSBWOR203B - Work effectively with others
CPCCOHS1001A - Work safely in the construction industry
CUFIND201A - Develop and apply creative arts industry knowledge
CUOHS301A - Follow occupational health and safety procedures
CUAFOH201 - Undertake routine front of house duties
CUAFOH202 - Usher patrons
CUASCE201 - Develop basic scenic art skills
CUASTA202 - Assist with bump in and bump out of shows
BSBCMM201A - Communicate in the workplace
CUFRES201A - Collect and organise content for broadcast or publication

Minimum Entrance Requirements:
Year 10 Drama unit desirable, as students who have not performed on stage before may find aspects of this course demanding.

Excursions / Additional requirements
Dress code of ‘theatre blacks’ (black tracksuit pants and black top with long sleeves – i.e. no logos and students must be able to move freely in these clothes)

There will be one term of after school rehearsals, occasional weekend tech rehearsals for other productions and some night time performance assessments are required.

Estimated Cost
Cost: $130.00 per year. This covers the cost of entry into YOHFest, your folio, text hire, workshop and production costs.
Creative Industries - (Media) (Year 11 and 12)
Course Code CUF 20107 Certificate II in Creative Industries (Media)
Vocational Pathway

Course Outline
This certificate course provides the skills required to successfully create a media production. Students will learn about the role of media in relation to entertainment including film, music video, television and social media.

Students will plan, produce, film and edit a production.

This course is ideal for anyone with an interest in a career in filmmaking or the media.

Units of Competency
Core Units
BSBCRT101A - Apply critical thinking techniques
CUFIND201A - Develop and apply creative arts industry knowledge
CUSOHS301A - Follow occupational health and safety procedures
BSBWOR203A - Work effectively with others
BSBDES201A - Follow design process
BSBWOR202A - Organise and complete daily work activities
CUFCAM201A - Assist with a basic camera shoot
CUFPOS201A - Perform basic vision and sound editing

Further Study
TAFE

Estimated Cost
$140.00
CUV2011 Certificate II in Visual Arts (Photography)

Course Outline
Students develop creative skills and get a solid foundation in photography and digital imagery. Whether planning a career in the photographic/digital arts or just wanting to improve skills for their own personal development, this course will be exciting, challenging and rewarding as they explore photography from an art perspective through to a commercial perspective. This course is designed to help build a portfolio of competent and creative work. Students will learn the theoretical and practical skills needed to develop skills working in the photography studio and on location. Students will explore their creativity and develop an eye for capturing dynamic imagery.

Students who successfully complete the Certificate II in Visual Arts (Photography) will receive direct entry into the Certificate III in Visual Arts (Photography) qualification.

Units of Competency
BSBOHS201A - Participate in OHS processes
CUVACD101A - Use basic drawing techniques
CUVPRP201A - Make simple creative work
CUVRES201A - Source and use information relevant to own arts practice
CUVPHI302A - Capture photographic images
CUVDIG201A - Develop digital imaging skills
ICPMM321C - Capture a digital image
ICPMM322C - Edit a digital image
BSBWOR202A - Organise and complete daily work activities

The units highlighted are the units which students will receive a Credit Transfer from the Certificate II to their Certificate III Visual Arts (Photography).

Career Pathways
Photographer, Visual Artist, Photographer’s Assistant, Photo Journalist, Digital Laboratory Operator, Salesperson (Photo).

An enthusiasm for photography
Experience in photography in lower school is preferred, but not essential

Estimated Cost
$80.00 (per semester)

Additional Requirements
8gb SD card
A3 Display Folder (including A3 display sleeves)
Thumbdrive
Student progress will be closely monitored by staff, and English pathways over the two years of senior schooling will be determined in consultation with students and their families based on student achievement in preceding units.

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English – Year 12
Course Units 1CENG/1DENG
Vocational Pathway

Course Outline
Units 1C and 1D will develop students’ language skills and concepts. In this course, students are required to compose and comprehend texts drawn from fiction, non-fiction and non-print genres. Unit 1D is a continuation from Unit 1C. Students will continue to develop language skills in areas related to work in school, further study at TAFE and opportunities outside school.

Skills Outline
Units 1C and 1D are designed to cater for students with a ‘C’ grade or better in Year 10 English or a ‘C’ grade and above in 1A/1B English.

Assessment:
Students will complete assessment tasks based on more complex workplace documents as well as mass media texts, popular culture and less complex literary texts.

Minimum Entrance Requirements
Year 11: C grade in Year 10 English.
Year 12: C grade or better in Year 11 English 1A and 1B.

Further Study
English 2C/2D, English 2A/2B, Literature 1A/1B.
An English course is required for all TAFE courses and for traineeships or apprenticeships.

Estimated Cost
$35 per semester. This includes hire of most texts, general course costs and consumables. An English text will need to be purchased (cost approx $25)

Students may participate in theatre excursions, be addressed by guest speakers or participate in seminars provided by external agencies to the course. These will carry an extra cost.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/English
English – Year 12
Course Units 3AENG/3BENG
University Pathway

Course Outline
Units 3A and 3B are designed to suit the needs of students considering tertiary entrance. These units focus on the English language and its use in a variety of forms and contexts, and build upon the skills developed in 2A and 2B. In this course, students are required to compose and comprehend texts drawn from fiction, non-fiction and non-print genres. In 3A and 3B English students learn how to become competent, reflective, adaptable and critical users of language. As this is a course designed for tertiary entrance, students can expect at least three hours per week out of class commitment.

Skills Outline
English Units 3A and 3B are suited to students who are able to demonstrate advanced abilities in the following areas:

- Reading
- Writing
- Listening and Speaking
- Viewing

Minimum Entrance Requirements
C grade or better in Year 11 English 2A and 2B. This course is for students who have successfully completed Stage 2 English and are aiming for an ATAR score for university entry.

Further Study
University Entrance

Estimated Cost
$35 per semester. This includes hire of some texts, general course costs and consumables. Students will be required to purchase two texts at approximately $25 per text.

Students are expected to attend a university English conference (cost approximately $42). This is a compulsory seminar for all students as part of their WACE preparation.

In addition, students may participate in theatre excursions during the course. These will carry an extra cost.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/English
Literature – Year 12
Course Units 1ALIT/1BLIT
Vocational Pathway

Course Outline
Reading literature for pleasure and for the intellectual experience are key elements of the course. Through the study of Literature, students create readings of literary texts and develop the skills necessary to better understand their world. They apply and explore their understandings of literature through writing their own poems, plays and stories.

Skills Outline
Literature is a course which involves reading and responding to poems, plays and stories. There is also a creative writing and an oral component.

Reading – poems, stories and plays.

Responding - this could includes essays, research, journal entries or feature articles.

Creative Writing - This could include writing poems, short stories or scripts.

Minimum Entrance Requirements
Stage 1 Literature is suitable for students with a C grade or better in their previous English course.

Further Study

Estimated Cost
$35 per semester. This includes hire of some texts, general course costs and consumables. An English text will need to be purchased (cost approximately $25)

In addition students may participate in theatre excursions during the course and these may carry an extra cost.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Literature
# LANGUAGES LEARNING AREA

## 2014 PATHWAYS

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Indonesian Year 12
Certificate III Applied Languages
Course code LOTE 3001 and 3002
Vocational and TAFE Pathway

Certificates are issued by Central Institute. Delivery of these courses will be at KSHS by KSHS staff. The Units of Competence covered in the Certificate III are common. The context is the language being studied.

Course Outline
Certificate III covers speaking, listening, reading and writing skills focussing on vocational, applied language used by employees and their customers and clients and other work place contexts. Tasks include:
- Telephone exchanges
- Negotiations
- Asking for and giving directions orally
- Listening tasks
- Reading tasks
- Write a sequence of instructions.

Skills Outline
There will be tasks and tests to show competency in listening, speaking, reading and writing and to show understanding of the culture and customs of Indonesia, Italy or Japan.

Minimum Entrance Requirements
C in Year 10 languages

Further Studies
Certificate IV Applied Languages

Estimated Cost
$30.00

Excursions
There is one excursion for the year which will incur additional costs.
# MATHEMATICS LEARNING AREA

## 2015 PATHWAYS

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*This course will be delivered by Flex-e-learn (see P5)*
Mathematics 1D/1E –Year 12
Course Code 1DMAT/1EMAT
TAFE/Vocational Pathway

Course Outline

Unit 1DMAT
In this unit, students use integers, decimals, fractions, percentages and ratios for practical purposes. They apply mathematics in making financial decisions. They write word sentences algebraically and solve simple algebraic equations. They calculate area and perimeters of circles and use the Pythagoras's theorem for calculating the length of the sides of right triangles. They describe the effects of reflecting, rotating and translating shapes in design, and enlarge, reduce and distort figures. They interpret detailed maps. Students collect measurement data from fair samples, display data in tables and graphs, calculate averages and describe spread of data, and compare datasets. They use mental strategies, written methods, calculators and computer-technologies where appropriate.

Unit 1EMAT
In this unit, students use positive and negative numbers and numbers with powers for practical purposes. They calculate interest and repayments for loans. They draw graphs to represent real situations, and use them to describe how quantities are related. They use trigonometry to calculate measurements in right triangles, and calculate volume and surface area of shapes. They analyse networks. Students simulate everyday chance events, calculate probabilities and predict using probabilities. They collect bivariate data relevant to them, display the data in tables and graphs, and describe trends. They use mental strategies, written methods, calculators and computer technologies where appropriate.

Skills Outline

- Extension of general numerical skills using mental strategies and technology into such concepts as indices, numerical roots and rates.
- Introduction to the algebraic concepts of graphing and pattern recognition.
- Application of mathematics to financial concepts including simple and compound interest, loan repayments, inflation and depreciation.
- Calculations involving measurements of length, time, area, mass, volume, capacity, angle, location and shape inclusive of simple trigonometric ratios, inverse calculations and proportionality.
- Extension of analytical skills to include statistical interpretation of bivariate data and simple numerical probability calculations.

Further Study

2AMAT/2BMAT in Year 12
TAFE entry.

Estimated Cost

$100 which will cover a scientific calculator, textbook (Workable Maths for WA WACE by Thomson, Carlton, Crothers and Taylor [NELSON]) and course fees.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Mathematics
Mathematics 2A/2B - (Year 12)
Course Code 2AMAT/2BMAT  (Run as combined units in a full year course)
Vocational pathway

Course Outline

Unit 2AMAT
In this unit, students apply ratios, rates and direct proportion in practical situations. They calculate profit, loss, discount and commission in financial contexts. They study introductory algebra and linear relationships in numeric, algebraic and graphical forms. They use Pythagoras’ theorem for the sides of triangles and analyse the reflection, rotation and translation of shapes in design. Students collect data from fair samples, and represent and interpret the data. They use mental and written methods and technologies where appropriate.

Unit 2BMAT
In this unit, students study and apply exponential relationships. They develop skills for solving equations algebraically and graphically, and investigate and generalise number patterns. They use coordinate geometry in two dimensions. They use formulas directly and inversely for calculations involving shapes three-dimensional. They apply trigonometry in right triangles. They represent information using network diagrams. Students simulate everyday chance events, calculate and interpret probabilities, and collect and analyse bivariate and time-series data. They use mental and written methods and technologies where appropriate.

Skills Outline
- Extension of general numerical skills using mental strategies and technology into such concepts as scientific notation and levels of accuracy.
- Further development of algebraic skills and conventions to solve linear equations, simultaneous linear equations and exponential equations and a graphical analysis of linear equations and exponential equations
- Formal analysis of patterns including term and recursive formulae
- Introduction to coordinate geometry and networks.
- Statistical calculations to include measures of centre and measures of spread, and constructing and interpreting statistical graphs.

Minimum Entry Requirements
Completion of Year 10 Mathematics with a grade of C or a C grade in 1D/1E MAT in Year 11.

Further Study
2CMAT/2DMAT in Year 12
TAFE/University
Note: Although University qualification is possible there is severe downward moderation of this course.

Estimated Cost
$300 including course fees. Students will be required to purchase a CASIO ClassPad calculator (approx. $200) plus the textbook (Sadler 2A and 2B).

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Mathematics
Mathematics 2C /2D - (Year 12)
Course Code 2CMAT/2DMAT  (Run as combined units in a full year course)
University, TAFE and Vocational Pathways

Course Outline
Unit 2CMAT
In this unit, students calculate interest and repayments in order to make decisions about savings and loans, and they interpret information on financial statements that are part of everyday living. They study and apply quadratic relationships. They extend their knowledge of coordinate geometry, and represent information in networks and interpret network diagrams. Students calculate and interpret probabilities for events with more than one chance component. They analyse and compare datasets, determine trends in data and use trend lines for prediction. They use mental and written methods and technologies where appropriate.

Unit 2DMAT
In this unit, students study functions and their graphs. They formulate recursion rules and apply recursion in practical situations. They explore patterns, making conjectures and testing them. They use trigonometry for the solution of right and acute triangles. Students simulate chance events on technologies, and calculate and interpret probabilities for chance events that occur in two- or three- stages. They plan random samples, collect, and analyse data from them, and infer results for populations. They use mental and written methods and technologies where appropriate.

Skills Outline
- Development of algebraic skills and conventions to include solving quadratic equations and the use of functional notation.
- Interpretation of financial information with regard to loan repayments, credit cards and commercial advertisements.
- Extension of coordinate geometry to include gradient and distance problems
- Development of network analysis to cover maximal flows, minimal spanning trees and shortest distance.
- Develop an understanding of the analysis of grouped data and the use of formula in probability calculations.
- Extension of trigonometric analysis to include sine and cosine rules for acute angled triangles.

Minimum Entry Requirements
Completion of Year 10 Mathematics with a grade of B or C grade in Year 11 of 2A/2B MAT.

Further Study
3AMAT/3BMAT in Year 12
TAFE/University entrance.

Estimated Cost
$300 including course fees. Students will be required to purchase a CASIO ClassPad calculator (approx. $200) plus the textbook (Sadler 2C and 2D)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Mathematics
Mathematics 3A/3B (Year 12)
Course Code  3AMAT/3BMAT  (Run as combined units in a full year course)
University Pathway

Course Outline
Unit 3AMAT
In this unit, students explore and analyse the properties of functions and their graphs. They develop and use algebraic skills for solving equations. They apply recursion in practical situations, including for finance. They use trigonometry for the solution of triangles. Students use counting principles to calculate probabilities and analyse normally-distributed data. They plan sampling methods, analyse data from samples and infer results for populations. They use mental and written methods and technologies where appropriate.

Unit 3BMAT
In this unit, students study differential and integral calculus of polynomial functions and use calculus in optimisation problems. They develop algebraic skills for solving equations and apply them in linear programming. They analyse and construct project networks. They reason deductively in algebra and geometry. Students analyse bi-variate data, and argue to support or contest conclusions about data. They use mental and written methods and technologies where appropriate.

Skills Outline
- Use the laws of indices to simplify numerical and algebraic expressions and to solve equations.
- Use concepts of graphical variations produced by the changes in the values of equations.
- Understand the calculus of polynomials and develop skills in differentiating and integrating such functions.
- Understanding of the formal analysis of probability and statistical data including statistical and probability distributions and their representations.
- Extension of network analysis to include critical paths and project networks.

Minimum Entry Requirements
Completion of Year 10 Mathematics with an A grade. Students with a B grade may, with teacher recommendation, study this course or C grade minimum in 2C/2D MAT in Year 11

Further Study
3CMAT/3DMAT in Year 12
TAFE/University entrance.

Estimated Cost
$300 including course fees. Students will be required to purchase a CASIO ClassPad calculator (approx. $200) plus the textbook (Sadler 3A and 3B).

Additional Requirements
This course will require considerable application by students and this fact should be carefully considered when included with studies that require students to be outside the normal school program for extended periods. The onus will be on the student to maintain their course standing.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Mathematics
Mathematics 3C/3D - Year 12

Course Code  3CMAT/3DMAT  (Run as combined units in a full year course)

University Pathway

Course Outline

Unit 3CMAT
In this unit, students develop their knowledge of calculus concepts and their algebraic, graphing and calculus skills, and apply these in mathematical modelling. They use counting techniques and probability laws, and calculate and interpret probabilities for the binomial, uniform and normal random variables. They use mental and written methods and technologies where appropriate.

Unit 3DMAT
In this unit, students extend and apply their understanding of differential and integral calculus. They solve systems of equations in three variables and linear programming problems. They verify and develop deductive proofs in algebra and geometry. Students model data with probability functions and analyse data from samples. They justify decisions and critically assess claims about data. They use mental and written methods and technologies where appropriate.

Skills Outline

- Extension of algebraic skills to include manipulation of expressions and equations involving algebraic fractions.
- Examination of graphical variation
- Limits and their role in Calculus.
- Introduction to the Fundamental Theorem of Calculus and the extension of calculus techniques to related rates, rectilinear motion and Growth and Decay Models.
- Use of calculus in calculating areas, volumes of revolution and establishing mensuration formulas.
- Techniques for representing experimental/theoretical Sample Spaces.
- An examination of the Laws of Probability and the role of counting techniques in determining probabilities.
- A study of Normal, Discrete, Uniform and Binomial Probability Distributions and their application to modelling everyday situations.
- The role of the Central Limit Theorem in interpreting data and the use of confidence levels.

Minimum Entry Requirements
C Grade in 3A/3B MAT in Year 11

Further Study
Course leads to TAFE/University entrance.

Estimated Cost
$300 including course fees. Students will be required to purchase a CASIO ClassPad calculator (approx. $200) plus the textbook (Sadler 3C and 3D).

Additional Requirements
This course will require considerable application by students and this fact should be carefully considered when included with studies that require students to be outside the normal school program for extended periods. The onus will be on the student to maintain their course standing.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Mathematics
Mathematics Specialist 3C/3D (Year 12)
Course Code 3CMAS / 3DMAS
(Run as combined units in a full year course)
University Pathway

**FLEXeLEARN**

**These units MUST be completed concurrently with 3CMAT/3DMAT and should only be considered by the very capable mathematics student intent on entering university courses requiring extensive mathematical knowledge, as in Engineering and the Physical Sciences.**

**Course Outline**

**Unit 3CMAS**
The focus for this unit is on the abstract development of a range of sophisticated relationships. Spatial contexts are extended from two dimensions to three. This unit develops abstraction as an increasingly powerful way of expressing and analysing change. It introduces exhaustion and contradiction as methods of proof to be explored.

**Unit 3DMAS**
The focus for this unit is on the use of differential and integral calculus to understand a range of phenomena. By increasing familiarity with transformation and the use of matrices, students can extend their theoretical understanding of growth and decay models. This unit introduces mathematical induction to complete the suite of proof processes developed in mathematical reasoning, to a satisfactory, pre-tertiary level.

**Skills Outline**
- Extension of the theory of vectors into 3D.
- Differentiation and Integration of Trigonometric functions.
- Extension of Calculus Techniques to include logarithmic, exponential and trigonometric functions.
- Further studies in Complex Numbers and polar coordinates.
- Introduction to proof by Mathematical Deduction and Induction.
- Introduction to the theory of Matrix Algebra.

**Minimum Entry Requirements**
C grade in 3A/3B MAS and concurrent enrolment in 3C/3D MAT.

**Further Study**
University entrance

**Estimated Cost**
$300 including course fees. Students will be required to purchase a CASIO ClassPad calculator (approx. $200) plus the textbook (to be advised before the end of the year).

**Additional Requirements**
This course will require considerable application by students and this fact should be carefully considered when included with studies that require students to be outside the normal school program for extended periods. The onus will be on the student to maintain their course standing.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Mathematics
HEALTH & PHYSICAL EDUCATION
LEARNING AREA

2015 PATHWAYS

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Certificate II in Sport Coaching Year 12
Course Code: SIS 20513
Vocational Pathways

Course Outline
The certificate II in sport coaching is designed to enhance students' knowledge of the sport and recreation industry. There is a major focus on working effectively and the requirements of industry. Year 12 students will develop their knowledge of the sport and recreation industry through participation in physical education lessons and theoretical classroom work.

Students are required to study the following units of competency:

- BSBWOR202A - Organise and complete daily work activities
- HLTAID003 - Provide first aid
- SISSSCO101 - Develop and update knowledge of coaching practices
- SISSSCO202 - Coach beginner or novice participants to develop fundamental motor skills
- SISSSDE201 - Communicate effectively with others in a sport environment
- SISXCAI102A - Assist in preparing and conducting sport and recreation sessions
- SISXIND211 - Develop and update sport, fitness and recreation industry knowledge
- SISXCAI101A - Provide equipment for activities
- SISXFAC201A - Maintain sport and recreation equipment for activities
- SISSATH201A - Teach the fundamental skills of athletics
- SISSTOU303A - Teach the intermediate skills of Touch.
- SISSTOU304A - Teach the intermediate tactics and strategies of Touch

Skills Outline
Students will complete a range of units of competency in different areas including Touch Rugby, coaching and working safely in the sport and recreation industry. Please note the units listed below may change to match the requirements of our registered training organisation.

Minimum Entrance Requirements
Yr11 Cert II Sport and Recreation 20213

Further Studies
State Training Providers (TAFE) - Certificate III in Fitness
- Certificate IV in Sport and Recreation

Estimated cost
$100.00
Certificate II Outdoor Recreation
Course code: SIS20213
Vocational Pathways

Course Outline
This is a highly practical course with a focus on mountain biking, abseiling and aquatic activities. Students will also, if successful, attain their Senior First Aid. This course is run over 2 years.

The course is designed for students who wish to work or participate in the Outdoor Recreation industry.

Students are required to study the following units of competencies:

Core
HLTAID003 - Provide first aid
SISOODR201A - Assist in conducting outdoor recreation sessions
SISOOPS201A - Minimize environmental impact
SISXWHS101A - Follow work health and safety policies
SIXIND211 - Develop and update sport fitness and recreation knowledge

Elective
SISOABA201A - Demonstrate simple abseiling skills on artificial surfaces
SISOABN201A - Demonstrate simple abseiling skills on natural surfaces
SISOABN202A - Safeguard an abseiler using a single rope belay system
SISOABN304A - Establish ropes for single pitch abseiling on natural surfaces
SISOVTR301A - Perform vertical rescues
SISCNE202A - Perform deep water rescues
SISOKYK201A - Demonstrate simple kayaking skills
SISONAV201A - Demonstrate navigation skills in a controlled environment
SISOMBK201A - Demonstrate basic off-road cycling skills
SISXEMR201A - Respond to emergency situations
SISOOPS306A - Interpret weather conditions in the field
SISOCE201A - Demonstrate simple canoe skills

Minimum Entrance Requirements
Yr 11 Cert II Outdoor Recreation 20213

Further Studies
TAFE studies in Outdoor Recreation

Estimated cost
$300.00

Excursions/Additional requirements
2 one day excursions
Outdoor Education – Year 12
Course Code 3AOED/3BOED
University Pathway

Course Outline
3A/8 Outdoor Education has an academic focus on theoretical underpinnings of outdoor pursuits including expedition planning, map interpretation and group dynamics.

Fundamental to this course is the development of expedition planning, leadership and teamwork skills. Students will learn skills to successfully and safely participate in a major expedition. The availability of resources and the specific expertise of the teacher will determine the experiences chosen for each class.

Skills Outline
- Abseiling, roping rescue and rock climbing
- Camp-craft
- Navigation
- Mountain Biking
- Expedition planning and experience
- Leadership

Minimum Entrance Requirements
Year 11 Outdoor Education 2A 2B

Further Study
Outdoor Education at Notre Dame University
Environmental science, Teaching
TAFE
Industry based jobs such as Abseil Guide

Estimated Cost
Approx $500.00 – students will be required to pay additional costs associated with expeditions and additional learning experiences during the year.

Excursion/Additional Requirements
The course includes one extended expedition of 4 days and three nights and three one day excursions, which students are required to attend. Where a student cannot attend an expedition an alternative opportunity to address course outcomes will be made available, however the student’s final results will be affected.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Outdoor_Education
Physical Education – Year 12  
Course Units 1CPES/1DPES  
Vocational Pathway

Course Outline
This course includes three sport modules and an emphasis on coaching and caring for athletes. Sociological issues associated with sport are also researched. Students may deliver a Sports Fun program to primary aged students over a number of weeks in order to develop their coaching and teaching skills. The practical modules selected for each class will be dependent upon the specific expertise of the teacher and the resources and facilities available to the class.

Skills Outline
- Coaching and teaching  
- Sports medicine  
- Anatomy and physiology  
- Skills analysis within sport  
- Three practical sport modules  
  o Softball  
  o Volleyball  
  o Coaching in softball/volleyball

Minimum Entrance Requirements
Year 11 1B PES  
C Grade in Year 11 Physical Education Studies 1B, C Grade in Year 11 English. Computer literacy is preferred.

Further Study
TAFE Courses in Sport, Health & Fitness.

Estimated Cost
Approx $90.00 – students will be required to pay additional costs associated with the use of off-campus facilities for additional learning experiences during the year.

Excursion/Additional Requirements
Students may be required to attend lightning carnivals as officials

For more information go to the following link:  
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Physical_Education_Studies
Physical Education Studies – Year 12
Course Units 3APES/3BPES
University Pathway

Course Outline
3A/8PES includes an increased focus on the study of anatomy, physiology and biomechanics and requires students to apply learning to practical experiences. Physical Education Studies combines practical learning in sports with theory, about movement and sport. Course time is divided between the practical and theoretical components and will also assist students with an interest in sport and fitness. Students are required to actively participate in all modules of the course to the best of their ability.

This course includes two sport modules and an emphasis on planning for enhanced participation. Sociological issues associated with sport are also researched. The practical modules selected for each class will be dependent upon the specific expertise of the teacher and the resources and facilities available to the class.

Skills Outline
- Sports Psychology
- Coaching
- Physical Adaptations to exercise
- Application of biomechanics to sport
- Two practical sport modules (may include)
  - Badminton
  - Volleyball

Minimum Entrance Requirements
C Grade in Year 11 Physical Education Studies 2B, C Grade in Year 11 English. Computer literacy is preferred. Teacher Recommendation

Further Study
University studies in Sports Science, Exercise Physiology, Physical Education Teaching, TAFE studies

Estimated Cost
Approx $120.00

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Physical_Education_Studies
## SCIENCE LEARNING AREA

### 2014 PATHWAYS

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**Biological Sciences 3A/3B (Year 12)**
Course Code 3ABIO / 3BBIO (Run as combined units in a full year course)
University Pathway

**Course Outline**
The focus for 3A is maintaining balance: how organisms and ecosystems survive. The focus for 3B is evolution: the history of life on Earth and how we conserve it, and Biotechnology. Students will practice critical analysis and evidence-based judgement within an ethics-sensitive context.

**Skills Outline**
As a course of enquiry, this course strongly promotes:
- Critical thinking
- Problem solving
- Value judgements

As well as:
- Recall
- Practical skills

**Minimum Entrance Requirements**
C grade in Biological Sciences Units 2A and 2B in Year 11

**Further Study**
TAFE – Animal Care or Animal Technology
Universities – Biological Science, Biotechnology, Chiropractic, Education, Dental Hygiene, Dental Therapy, Environmental Biology, Environmental Health, Horticulture, Medical Science, Molecular Nanoscience, Nursing, Sport Science, Veterinary Science

**Estimated Cost**
$77.00 per year - plus text book (same text as used for units 2A and 2B)

**Excursions/Additional Requirements**
Academic Associates WACE Study Guide 3A/3B Peter Walster (recommended)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Biological_Sciences
Chemistry – 3A / 3B  (Year 12)
Course Code 3ACHE/3BCHE (Run as combined units in a full year course)
University Pathway

Course Outline
The focus of unit 3A is chemical processes, where students examine relationships between concepts, models and principles, and sustainable chemical practices where industry endeavours to achieve a maximum yield at the lowest possible cost. The focus of unit 3B is chemistry and modern lifestyles, where students develop understandings of complex models that underlie the study of medicines, biochemistry, fuel cells and plastics though further study of equilibrium, oxidation and reduction, and organic chemistry.

Skills Outline
As with any science, the chemistry course is based upon the belief that science is, in essence a practical activity. Students will be given the opportunity to develop, use and apply the following skills.

- Investigate and inquire scientifically though experimentation and investigations
- Apply chemical understanding. Cognitive though processes.
- Communicate chemical information and understanding using scientific language and conventions correctly.
- Problem solving.

Minimum Entrance Requirements
Some background knowledge from the Chemistry Units 2A and 2B courses (year 11) is essential for the successful completion of the Year 12 (3A and 3B) course. A minimum “C” grade in Year 11 Chemistry is essential.

Further Study
Chemistry provides a pathway to a number of university courses requiring a chemistry background, as well as ones requiring high ATAR scores (Engineering, Law, Medicine, Pharmacy, Veterinary Science).


Estimated Cost
$77.00 per year plus text books

Excursions/Additional Requirements
Academic Associates 3A/3B Study Guide (recommended)

For more information go to the following link: http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Chemistry
Course Outline
The focus for this course is human regulation and the future of humans. This course explores:

- DNA, its manipulation and application in the treatment of disease.
- The ageing individual.
- Evolutionary trends in primates and hominids.
- Variations in humans in their changing environment both at the level of the functioning individual and groups of humans as a population or a species.

Skills Outline
Assessment in this course is based on investigative and communicative skills, conceptual knowledge and critical thinking. Students will be expected to analyse and evaluate scientific information, applying their understanding and skills to interpret, solve and answer questions in a variety of methods. These methods include practical activities, assignments, tests and examinations.

Minimum Entrance Requirements
C grade in any Year 11 stage 2 WACE course.

Further Study
A WACE Science course is a good preparation for a range of university and TAFE courses.

University – Dental Hygiene, Dental Therapy, Exercise and Health Science, Health and Safety, Health Information Management, Health Promotion, Health Sciences, Human Movement and Exercise Science, Medical Science, Midwifery, Molecular Biotechnology, Nursing, Psychology, Sport Science.

TAFE - Aged Care Worker, Community Services – Health and Education, Enrolled Nurse, Laboratory Assistant, Personal Carer, Science & Technical courses, Sport & Recreation, Teacher Assistant, Youth Worker.

Estimated Cost
$77.00 per year plus text books

Excursions/Additional Requirements
Academic Associates WACE Study Guide 3A/3B, Jane Sanfelieu (recommended)
Excursion to the zoo. (cost approximately $65)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Human_Biological_Science
Integrated Science –1A/1B (Year 12)
Course Code 1AISC/1BISC
Vocational Pathway

Course Outline
Science and technology are playing an increasing role in our society: space technology, communications technology and genetic engineering are but a few of the science related areas that have changed, or will change our society and how we live.

Integrated Science is designed for students with an interest in science and encourages them to develop scientific knowledge through an investigative approach. The aim is for students to:

- Demonstrate an understanding of science.
- Plan and carry out simple experiments.
- Present data in tables, graphs and diagrams.
- Describe patterns and trends.
- Use appropriate skills and equipment to carry out scientific procedures, make accurate observations and measurements.
- Communicate effectively using appropriate scientific terminology.
- Perform simple calculations.
- Demonstrate safe procedures.
- Discuss how science has had an impact on the environment and our society.

The focus of units 1A and 1B is everyday science. Students will study topics that impact on their daily lives. Topics covered may include:

- Forensic Science
- Environmental Science
- Flight
- Cosmetics
- Science of toys
- Health and disease
- Kitchen chemistry
- Electricity
- Landcare
- Brewing and baking.

Skills Outline
The integrated science course is based on the belief that science is, in essence, a practical activity. Students are involved in research activities that will develop a variety of skills, including the use of appropriate technology, an array of methods of investigation, informed decision making and problem solving.

Minimum Entrance Requirements
C grade in Year 11 Integrated Science 1C/D

Estimated Cost
$57.00 per semester

Excursions/Additional Requirements
Excursions may take place depending upon the topic chosen.

For more information go to the following link:


Physics – 3A / 3B (Year 12)
Course Code 3APHY / 3BPHY (Run as combined units in a full year course)
University Pathway

Course Outline
Studies in Units 3A and 3B cover:
- Motion and forces in a gravitational field
- Electricity and magnetism.
- Particles, waves and quanta.
- Motion and forces in electric and magnetic fields

Learning contexts in these units may include:
- space travel
- planetary motion
- fairground physics
- bridges and buildings
- power generation and distribution
- motors and generators.
- medical imaging and therapies
- sunlight and starlight
- sonar and echo-location
- optical fibres
- musical instruments
- particle accelerators

Skills Outline
This course focuses on:
- intellectual curiosity
- logical thinking
- analytical thinking
- critical thinking

Minimum Entrance Requirements
Students who select these units must have achieved a “C” grade in Units 2A and 2B of this course.

Further Study
Physics provides a pathway to a number of university courses requiring a physics background, as well as one’s requiring high TER entrance scores (Engineering, Law, Medicine, Pharmacy, Veterinary Science).


Estimated Cost
$77.00 per year plus text book

Excursions/Additional Requirements
Academic Associates WACE Study Guide 3A/3B by Michael Lucarelli (recommended)

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Physics
Certificate II in Sampling and Measurement (Year 12)
Course Code: MSL20109
Vocational pathway

Course Outline
This qualification offers entry level training for sampling and measurement skills applied across a range of industries, such as samplers and testers, production personnel, plant operators, production operators, field assistants, drivers and sample couriers.

To attain the MSL 20109 Certificate II in Sampling and Measurement 8 units must be achieved.
- 4 core units; plus
- 4 electives

Skills Outline
Some of the key concepts which will be covered include:
- Follow set procedures to sample raw materials and products
- May package, label, store and transport samples
- Use simple equipment (hydrometers, thermometers and pH meters) to make measurements and perform basic tests that take a short time and involve a narrow range of variables and easily recognised control limits
- Make visual inspection of products and packaging.
- Prepare working solutions and undertaking basic testing
- Communicate with others
- Work safely with instruments that emit ionising radiation

Minimum Entrance Requirements
C grade for all Year 10 Science Strands

Further Study
Certificate III of Laboratory Skills (MSL30109) or Certificate III in Manufacturing Technology (Laboratory Operations Stream- MSA30208).

Estimated Cost
$205 per year

Excursions/Additional Requirements
Excursions regarding course will occur across the year (additional cost of $95)
Students are required to purchase safety glasses and laboratory coat

For more information go to the following link:
## 2014 Pathways

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Modern History 3A/3B – Year 12
Course codes 3AHIM / 3BHIM (Run as combined units in a full year course)
University Pathway

Course Outline
Unit 3AHIM
The focus for this unit is cohesion and division. Students learn that there are internal and external forces that result in cohesion and/or division within societies and these have consequences for continuity and change. They assess how the structures of power and authority were used, how different groups and individuals responded and whether there was potential for greater cohesion or division.

Unit 3BHIM
The focus for this unit is ideas that shaped history. The object of this unit is to explore the power of ideas and ideologies as forces for change and/or their use to reinforce dominant elements in society. Knowledge about the evolution and spread of significant ideas assists students in understanding the beliefs and values of a society and to what extent these ideas have been cohesive or divisive. They are also able to determine which ideas were dominant at a given time and how and why this dominance may have changed.

Skills Outline
- Historical research methods
- Document analysis
- Enquiry-based research
- Essay writing

Minimum Entry Requirements
C grade in 2A/2B Modern History

Further Study
University entry

Estimated Cost
$85.00 for materials and excursion

Excursions/Additional Requirements
A one-day excursion
Students are eligible to attend Society and Environment Senior School tours which take in interstate and/or overseas excursions (2013 France and Belgium, 2012 Canberra and Sydney, 2010 London and Berlin, 2009 Gold Coast and Canberra, 2008 France and Belgium) at additional cost.

Suggested Pathways
Features of this course link well with the Politics and Law 3A and 3B courses.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Modern_History
Politics and Law 3A/3B – Year 12
Course Units 3APAL/3BPAL (Run as combined units in a full year course)
University Pathway

Course Outline
The focus of Political and Legal Power (3APAL) encourages students to critically examine the roles of political and legal institutions in maintaining and developing law and government policy. It focuses on how the Australian Government operates through the Parliament and the Executive and examines the role of the Australian Constitution in some detail.
The focus of Rights and Governance (3BPAL) is to allow students to critically examine how political and legal systems respond to human rights issues and the ways countries can uphold or undermine democratic values. It further examines the Rule of Law and the ways the rights of Australians are protected through constitutional, statute and common law.

Skills Outline
• Research methods
• Document analysis
• Extended answer writing

Minimum Entry Requirements
C grade in 2APAL/2BPAL

Further Study
University entry for Arts, Law and Social Science majors and minors, TAFE courses in legal studies

Estimated Cost
$85.00 for materials plus excursions

Excursions / Additional Requirements
Students are eligible to attend the Society and Environment Senior School Tours which take in interstate and/or overseas history-based excursions (2013 France and Belgium, 2012 Canberra and Sydney, 2010 London and Berlin, 2009 Gold Coast and Canberra, 2008 France and Belgium) at additional cost.

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Politics_and_Law
Career and Enterprise – Year 12
Course Units 1ACAE/1BCAE
Vocational / Training Pathway

Course Outline
The focus of the units is on Career Management. The units explore career management, corporate citizenship, environmental trends and alternative scenarios such as particular occupations, industries and work patterns, settings or roles. How these influence career development and opportunities and decisions.

The units focus on self-management and personal weaknesses and strengths as integral to lifelong learning and career building. The work search tools and techniques and career competencies used in the process of career building are investigated. An exploration is made of workplaces, organisation and systems and also employment as a contractual agreement. The rights and roles of individuals are defined and assessed according to legal, ethical and financial considerations.

Skills Outline
• Self understanding and management
• Career Building
• Lifelong Learning
• Workplace Operations
• Efficiency, productivity and processes
• Rights and Responsibilities
• Organisation of Workplaces
• Globalisation
• Constant change
• Negotiating Pathways

Minimum Entrance Requirements
Recommended C Grade in English
Positive attitude and interest

Cost
Approx $60.00 including workbook
Excursions may incur additional cost

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Career_and_Enterprise
## Technology & Enterprise Learning Area
### 2014 Pathways

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<tr>
<td>Children, Family and Community (Living Independently)</td>
<td>1C</td>
<td>1D</td>
</tr>
<tr>
<td>Design: Technical Graphics</td>
<td>1C</td>
<td>1D</td>
</tr>
<tr>
<td>Food Science – Nutrition</td>
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<td>3A 3B</td>
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<tr>
<td>Materials, Design &amp; Tech – Metal</td>
<td>1A</td>
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</tr>
<tr>
<td>Materials, Design &amp; Tech – Wood</td>
<td>1C</td>
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</tr>
<tr>
<td>Certificate in Business</td>
<td>Certificate II</td>
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<tr>
<td>Certificate in Information Technology</td>
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<td>Certificate in Community Services</td>
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<tr>
<td>Certificate in Hospitality</td>
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</tr>
<tr>
<td>Certificate in Tourism</td>
<td>Certificate II</td>
<td></td>
</tr>
<tr>
<td>Certificate in Applied Fashion Design &amp; Technology</td>
<td>Certificate II</td>
<td></td>
</tr>
<tr>
<td>Certificate in Furniture Making</td>
<td>Certificate II</td>
<td></td>
</tr>
</tbody>
</table>


Applied Information Technology
Units 1C and 1D (Year 12)
Course Code 1CAIT and 1DAIT

Vocational Pathway

Course Outline
The emphasis of this course is on developing an understanding of the applications of computer technology in various contexts and the design of information solutions. Assessment is undertaken through investigations, the production of information solutions, the performance of skills and abilities in a range of information and communication technology contexts and the response to a series of stimuli or prompts.

Unit 1CAIT
The focus for this unit is personal information and communication technologies and using technology to meet personal computing needs. This includes the study of how individuals use, and can be affected by, information technology in their daily lives. Students investigate computer systems and understand the configuration needed to meet their personal needs. They acquire and apply a range of knowledge and skills to create information solutions that inform, persuade, educate and entertain.

Unit 1DAIT
The focus for this unit is community information and communication technologies and using ICT commonly required in the operation of a small business or community organisation. Students investigate small business networks and the peripheral devices required to use communication and graphics applications. They understand the configuration required for a small business computing system. They examine the impact of information technology solutions within the community.

Each unit is delivered in a semester of 15 weeks. Units 1C and 1D are not examinable.

Skills Outline
- Hardware and Software Manipulation
- Processing and Managing Digital Data
- Researching
- Literacy
- Problem-Solving

Minimum Entrance Requirements
Satisfactory completion (C Grade) of Units 1A and 1B

Further Study
TAFE Studies

Estimated Cost
$50.00 plus text book

Excursions/Additional Requirements
Nil

For more information go to the following link:
Applied Information Technology –  
Units 3A and 3B (Year 12)  
Course Code 3AAIT and 3BAIT  
University Pathway

Course Outline
The emphasis of this course is on developing an understanding of the applications of computer technology in various contexts and the design of information solutions. Assessment is undertaken through investigations, the production of information solutions, the performance of skills and abilities in a range of information and communication technology contexts and the response to a series of stimuli or prompts.

Unit 3AAIT
The focus for this unit is evolving information and communication technologies. The use of applications to create, modify, manipulate, use and/or manage ICT, particularly for business, training, education, infotainment and edutainment purposes is fundamental to this unit. Students consider the nature and impact of technology change when creating ICT products for a particular purpose and audience. Students develop an understanding of the nature of computer systems and the use of these technologies in society.

Unit 3BAIT
The focus for this unit is information and communication technologies in industry. Students focus on the production of an ICT product for a particular industry or business of interest. The output produced may be informational, instructional, promotional or for entertainment, with materials that focus on interactivity and may include video and animation elements. Students justify the computer systems selected for their product and understand the social and legal implications, and the impact of its use in industry.

Skills Outline
- Hardware and Software Manipulation
- Processing and Managing Digital Data
- Researching
- Literacy
- Problem-Solving

Minimum Entrance Requirements
Satisfactory completion (B Grade or higher) of Units 2A and 2B

Further Study
TAFE Studies
University Studies

Estimated Cost
$50.00 plus textbook

Excursions/Additional Requirements
Nil

For more information go to the following link:
Certificate II in Business (Year 12)
Course Code: BSB20112
Vocational Pathway

Course Outline
Students are required to study 12 units from the Common Business Units of Certificate II listed below, including:

- BSBCM201A - Contribute to Health and Safety of Self and Others
- BSBCM203A - Communicate in the Workplace
- BSBCM208A - Deliver a Service to Customers
- BSBIND201A - Work Effectively in a Business Environment
- BSBCM206A - Process and Maintain Workplace Information
- BSBN201A - Contribute to Workplace Innovation
- BSBCM213A - Produce Simple Word Processed Documents
- BSBCM214A - Create and Use Spreadsheets
- BSBITU203A - Communicate Electronically
- BSBCM215A - Participate in Environmentally Sustainable Work Practices
- BSBWOR202A - Organise and Complete Daily Work Activities
- BSBCM205A - Use Business Technology

Skills Outline
Some of the key concepts which will be covered include:

- Personal values and attitudes regarding work and business are taken into account when planning future work/career directions
- Business technology is used efficiently and effectively to complete work tasks
- Effective listening and speaking skills are used in oral communication
- Appropriate technology and software applications are selected to achieve the requirements of the task
- Organisational requirements relating to security and confidentiality are applied to information handling
- Petty cash transactions are processed and recorded within designated time limits
- Communications with clients is conducted in a professional and courteous manner
- Hazards in the work area are recognised and reported to the designated personnel

Further Study
TAFE Studies

Estimated Cost
$50.00

Excursions/Additional Requirements
Nil
Certificate II in Information Technology (Year 12)
Course Code: ICA20111
Vocational Pathway

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 8 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

Skills Outline
Some of the key concepts which will be covered include:
• Operating Computer Hardware
• Operating Computer Packages
• Working effectively in an IT environment
• Installing software applications
• Connecting hardware peripherals

Further Study
TAFE Studies

Estimated Cost
$50.00

Excursions/Additional Requirements
Nil
Design - Technical Graphics (Year 12)
Course Code 1CDEST and 1DDEST
Vocational Pathway

Course Outline
The goals of the Design course are to facilitate a deeper understanding of how design works; and how ideas, beliefs, values, attitudes, messages and information are effectively communicated to specific audiences with specific intentions or purposes via visual media forms. This course aims to achieve these goals by exposing students to a variety of communication models, and through exploration of design forms.

Unit 1CDEST
The focus for this unit is personal design. Students understand that they visually communicate aspects of their personality, values and beliefs and affiliations through decoration and adornment, choice of artefacts and consumer items and their manipulation of personal surroundings and environments.

Unit 1DDEST
The focus for this unit is social design. Students become aware that society is made up of different groups of people that share common values, attitudes, beliefs, behaviour and needs; and that social design helps to inform and bind these groups together, assisting in creating and maintaining a sense of identity and community.

Skills Outline
In these units students will have the opportunity to:
- Apply the Technology Process to create products
- Use the conventions of technical drawing
- Use the conventions of computer aided design
- Create designs that deal with mainly three dimensional courses

Minimum Entrance Requirements
Successful completion of Technical Drawing in lower school

Further Study
TAFE studies

Estimated Cost
$60.00

Excursions/Additional Requirements
Nil

For more information go to the following link:
Materials Design and Technology - Metal (Year 12)
Course Code 1CMDTM and 1DMDTM
Vocational Pathway

Course Outline
Are you interested in designing and making items from metal? Do you want to learn more about tools, materials and techniques to improve your design and practical skills? Do you enjoy shaping and forming metal through welding, brazing, soldering and using metalwork machinery? Are you interested in a career in a metal trade, automotive or agricultural industries?

Unit 1CMDTM
In this unit students will work on projects made from metal to develop practical skills from the design stage through to the end product.

Unit 1DMDTM
In this unit the focus is on designing and making projects from metal to suit particular consumer needs.

Skills Outline
In these units students will have the opportunity to:
- Apply the Technology Process to create or modify products made from metals.
- Develop an understanding of how the characteristics of various metals and other materials influence design, development and use.
- Create products from metal and other materials using a range of tools and techniques.
- Develop a greater understanding of the interrelationships between people, the environment and the use of materials.

Minimum Entrance Requirements
Successful experience in Metalwork in Year 11

Estimated Cost
$80.00 per semester ($160.00 total)

Excursions/Additional Requirements
Nil

For more information go to the following link:
Materials Design and Technology – Wood (Year 12)
Course Code 1AMDTW and 1BMDTW
Vocational Pathway

Course Outline

Unit 1AMDTW
In this unit students will work on projects made from wood to develop practical skills from the design stage through to producing the end product. Projects might include basic furniture, personal items, household products and frame construction projects.

Unit 1BMDTW
In this unit the focus is on designing and making projects from wood to suit particular consumer needs. Students will continue to develop practical skills and greater understanding of materials, their properties and how this might influence their use. Projects will be developed in consultation with the students and might include small furniture items, clocks, lathe projects, recycled furniture and carcase construction projects.

Skills Outline
- Apply the Technology Process to create or modify products made from wood.
- Develop an understanding of how the characteristics of various woods and other materials influences design, development and use.
- Create products from wood and other materials using a range of tools and techniques.
- Develop a greater understanding of the interrelationships between people, the environment and the use of materials.

Minimum Entrance Requirements
Successful experience in Materials, Design and Technology – Wood 1C and 1D

Further Study
TAFE Studies
Apprenticeships in Cabinet making, Carpentry

Estimated Cost
$80.00 per semester ($160.00 total)
Students may need to supply some materials for larger projects

Excursions/Additional Requirements
Nil

For more information go to the following link:
Children, Family and the Community - Living Independently (Year 12)
Course Code 1CCFCL and 1DCFCL
Vocational Pathway

Course Outline
The focus for this course is preparing students for independent living. Students explore a variety of social issues and develop confidence through individual and group activities.

Skills Outline
- Nutrition and healthy living
- Career opportunities
- Networks and services in the community
- Building relationships
- Working safely with others

Further Study
Nursing
Police
Teaching
Youth work
TAFE courses in Community Services and Health Education

Estimated Cost
$70.00 These costs cover course work, including any practical work involved in the course. Students prepare food on a weekly basis.

Excursions/Additional Requirements
Nil

For more information go to the following link:
http://www.scsa.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Children_Family_and_the_Community
Food Science and Technology (Year 12)
Nutrition and Health Promotion
Course Code 3AFST and 3BFST
WACE Pathway (Year 12)

Course Outline
The Food Science and Technology course provides opportunities for students to explore and develop food-related interests and passions to achieve personal and professional goals.

The focus for Stage 3 Food Science and Technology is food diversity, equity, innovation and the future. Students learn about relationships between food science and technology by examining issues of food diversity and equity in Australian society. Students investigate the food consumption patterns in Australian society to identify nutritional needs of a specific demographic group. Students examine the way biotechnology has influenced the development and production of functional foods, food products, services or systems. Students analyse social, economic, environmental and political factors that influence the food consumption patterns in Australia.

Students explore how primary and secondary food production systems facilitate the sustainable supply of food for future world populations. They examine the influence that current innovations in food products, services and systems have on the nutritional value of food for specific demographic groups. Students analyse factors that affect food selection and consumption and explore technologies that create innovative food products. Students examine the role and responsibility of the organisations that control foods imported into Australia and the advertising and marketing laws related to food and beverage products, services and systems.

Using the technology process, students trial and modify recipes, methods or products and develop food orders and workflow or production plans. They produce safe, quality and palatable food products, services or systems. Students evaluate and analyse their work, justifying choices made.

Minimum Entrance Requirements
Satisfactory completion (C grade or higher) of Units 2A/B.

Further Study
TAFE studies, University studies

Estimated Cost
$125.00
Plus students must wear approved industry standard footwear for practical classes

For more information go to the following link:
http://www.curriculum.wa.edu.au/internet/Senior_Secondary/Courses/WACE_Courses/Food_Science_and_Technology
Community Services (Child Care) (Year 12)
Course Code CHC2018 Certificate II in Community Services (Child Care)
Vocational Pathway

Course Outline
This course is completed over two years. Students study a variety of units dealing with future employment which focuses on children. The course consists of two certificates:
Certificate I in Work Preparation
Certificate II in Community Services

Skills Outline

<table>
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<tbody>
<tr>
<td>CHCCS211B</td>
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<tr>
<td>CHCCOM201C</td>
</tr>
<tr>
<td>CHCORG201C</td>
</tr>
<tr>
<td>CHCORG202C</td>
</tr>
<tr>
<td>HLTWH200A</td>
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Electives

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<tr>
<th>Units of Competency</th>
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<tbody>
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<td>CHCAC316D</td>
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<tr>
<td>BSBITU203A</td>
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<td>HLTFS205D</td>
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<tr>
<td>HLTFS207C</td>
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<tr>
<td>CHCIC201B</td>
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<tr>
<td>CHCADMIN201D</td>
</tr>
</tbody>
</table>

Further Study
TAFE
Employment in Child Care Centres, After School Care Centres and child minding facilities

Estimated Cost
$60.00 per year (Includes craft supplies and handouts)
Certificate II Hospitality (Year 12)
Course Code SIT20207 Certificate II in Hospitality
(Over 2 years - Includes Cert I Hospitality SIT10207)
Vocational Pathway

Course Outline
This qualification provides the skill and knowledge for an individual to be competent in a range of kitchen functions and practical skills.

Skills Outline
Students will
- Apply food and beverage skills in the workplace
- Provide and serve food and beverage service
- Prepare and serve non-alcoholic beverages
- Develop and update hospitality industry knowledge
- Prepare and serve a range of food items
- Prepare and serve beverages
- Understand the functioning of the Hospitality Industry

Minimum Entrance Requirements
The study of food preparation courses in lower school is desirable.
A pass in English and Maths in lower school

Further Study
TAFE
Employment as a breakfast cook, short order cook, fast food cook.

Estimated Cost
$120 – includes the preparing of food items twice weekly, and handouts. Students must wear approved industry footwear for practical lessons.
Certificate II Tourism (Year 12)
Course Code  SIT20107
Certificate II in Tourism
Vocational Pathway

Course Outline
This qualification is studied over two years and reflects the role of individuals where work is undertaken in an office environment of tour operators, retail travel agencies or conference organisers.

Students will complete units of competency such as:
- Source and use information on the tourism and travel industry
- Show social and cultural sensitivity
- Participate in safe work practices
- Provide a briefing or scripted commentary
- Interpret aspects of local Australian Indigenous culture
- Provide visitor information
- Source and present information
- Access and interpret product information
- Process financial transactions
- Work effectively with others

Further Study
TAFE
Employment in event management businesses, and as planning coordinators in tourism offices

Estimated cost
$60.00
Certificate II in Applied Fashion Design and Technology (Year 12)
Course Code    LMT21707
Certificate II in Applied Fashion Design and Technology
Vocational Pathway

Course Outline
This course introduces students to the knowledge and skills of fashion design. The course is
hands-on with students being asked to design, produce and present garment so their own
creation. Basic through to advanced sewing productions skills are included in the course, and
will be a useful skill set for a range of vocations in future life. This course leads directly to
Certificate III in Applied Fashion Design and Technology.

Skills Outline
LMTCL2001B    - Use a sewing Machine
LMTCL2003B    - Identify fibres and fabrics
LMTFD2001B    - Design and produce a simple garment
LMTFD2005B    - Identify design process for fashion designs
LMTGN2001B    - Follow defined OH&S policies and procedures
LMTGN2002B    - Apply quality standards
MSAENV272B    - Participate in environmentally sustainable work practices

Electives – 4
LMTCL2004B    - Sew components
LMTCL2010B    - Modify patterns to create basic styles
LMTCL2011B    - Draw and interpret a basic sketch
LMTFD3003B    - Prepare design concept for a simple garment

Further Study
TAFE
Employment in fashion, fashion design, marketing, fashion production

Estimated cost
$60.00
This will cover students’ basic project requirements. Students may choose to purchase their
own fabric etc for their design projects and this will be an extra cost.
Certificate II in Visual Arts (Furniture Focus)
Course Code  CUV20111
Vocational Pathway

Course Outline
In these units students will have the opportunity to:

- Use appropriate tools, machinery and equipment safely and effectively
- Use machinery to meet productivity requirements
- Perform minor maintenance on machinery in accordance with workplace practice
- Use manual handling technologies in the workplace
- Set up and adjust tools and equipment

Skills Outline

Core Units

- BSBOHS201A - Participate in OHS processes (15 hours)
- CUVACD101A - Use basic drawing techniques (40 hours)
- CUVPRP201A - Make simple creative work (40 hours)
- CUVRES201A - Source and use information relevant to own arts practice (30 hours)

Electives

- CUVWOO201A - Develop Woodworking Skills (40 hours)
- LMFCR0003B - Carry out measurements and calculations (20 hours)
- MSAPCII296A - Make a small furniture item from timber (40 hours)
- LMFFM2001B - Use furniture making sector hand and power tools (38 hours)
- LMFFM3002B - Construct furniture using leg and rail method (40 hours)

It is advisable to have achieved success in lower school wood classes.

Further Study
TAFE studies

Estimated cost
$180.00

Excursions/Additional Requirements
Nil
## 2015 VETfS Pathways – Career Directions Programs – Polytechnic West

<table>
<thead>
<tr>
<th>Campus</th>
<th>Qualification (name &amp; national code)</th>
<th>Full or Partial Qualification</th>
<th>Day</th>
<th>Interview Yes/No</th>
<th>Comments</th>
<th>Material Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Armadale</td>
<td>Certificate III in Education Support</td>
<td>Full over 1 year</td>
<td>Thursday &amp; Friday</td>
<td>Yes</td>
<td>Require High levels of numeracy &amp; literacy (At least C grade). Pathway to Cert IV. Students pay for First Aid Certificate ($50) &amp; Uniform-Shirts ($50).</td>
<td>$100</td>
</tr>
<tr>
<td>Bentley</td>
<td>Certificate II in Animal Studies – Year</td>
<td>Thursday &amp; Friday</td>
<td></td>
<td></td>
<td>Year 12 students only</td>
<td></td>
</tr>
<tr>
<td>Bentley</td>
<td>Certificate II in Applied Fashion Design &amp; Technology</td>
<td>Full over 1 year</td>
<td>Thursday &amp; Friday</td>
<td>Yes</td>
<td>2 Year program, specific to Year 11 students. Commitment required to continuing into 2nd year as a Yr 12 student</td>
<td></td>
</tr>
<tr>
<td>Midland</td>
<td>CHC20108 Certificate II in Community Services Work - Childcare</td>
<td>Full over 1 year</td>
<td>Friday</td>
<td>No</td>
<td>1 year program Work placement in 3rd Term</td>
<td></td>
</tr>
<tr>
<td>Balga, Midland or Thornlie</td>
<td>Certificate II in Building &amp; Construction – Construction Carpentry</td>
<td>Thursday &amp; Friday</td>
<td></td>
<td>Bulk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bentley</td>
<td>Certificate II in Applied Fashion Design &amp; Technology</td>
<td>Full over 1 year</td>
<td>Thursday &amp; Friday</td>
<td>Yes</td>
<td>2 year program, specific to Year 11 students. Commitment required to continuing into 2nd year as a Year 12 student.</td>
<td>To be advised</td>
</tr>
</tbody>
</table>

Note: Program information is a guide only and subject to change.

For further information:
- Talk to the VET Coordinator
### YOU2 CAN GO TO UNIVERSITY COURSES

<table>
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<tr>
<th>Campus</th>
<th>Qualification (name &amp; national code)</th>
<th>Full or Partial Qualification</th>
<th>Day</th>
<th>Interview Yes/No</th>
<th>Comments</th>
<th>Material Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carlisle</td>
<td>MEM30505 Certificate III in Engineering (Technical)</td>
<td>Full over 2 years</td>
<td>Thursday</td>
<td>Yes</td>
<td>2 year program. Specific to Year 11 students who want a university pathway but do not meet ATAR requirements</td>
<td>Book fees to be advised</td>
</tr>
<tr>
<td>Thornlie</td>
<td>Certificate III in Information, Digital Media &amp; Technology and Certificate IV in IT Networking</td>
<td>2 Years</td>
<td>Friday</td>
<td>Yes</td>
<td>2 year program. Year 11 students only to apply. Commitment required to continue in 2nd year of program as a Yr 12 student</td>
<td></td>
</tr>
<tr>
<td>Thornlie</td>
<td>Certificate III in Media and Certificate IV in Interactive Digital Media</td>
<td>Full over 2 years</td>
<td>Friday</td>
<td></td>
<td>2 year program. Need to complete Cert III in 1st year to go in to Cert IV in 2nd year as a Yr 12 student</td>
<td></td>
</tr>
<tr>
<td>Thornlie</td>
<td>Certificate IV in Digital and Interactive Games</td>
<td>Full over 1 year</td>
<td>Wednesday &amp; Friday</td>
<td>Yes</td>
<td>2 year program. Year 11 students only to apply. Commitment required to continue in 2nd year of program as a Yr 12 student</td>
<td></td>
</tr>
<tr>
<td>Thornlie</td>
<td>Diploma of Business Including Certificate IV in Business</td>
<td>2 Years</td>
<td>Friday</td>
<td></td>
<td>2 year program. Commence 1st year in Cert IV in Business, then Diploma in Business. Pathway to Associate Degree in Business or Commerce at Bentley or Bachelor Degree at Murdoch University</td>
<td></td>
</tr>
</tbody>
</table>

### APPLICATION PROCESS

- All programs are open to Year 11 & 12 students who are attending school in 2014.
- To express interest in one of the courses, please discuss with the VET Coordinator at school
- School reports are required to be submitted with applications. CV’s and any references are also strongly recommended to be submitted
- Applications will open in June 2013
- Applications will close on 30 August 2013
- Interviews will be held in September 2013
<table>
<thead>
<tr>
<th>Campus</th>
<th>Program Name</th>
<th>Qualification</th>
<th>Comments</th>
<th>Material Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leederville</td>
<td>Aged Care</td>
<td>Certificate II in Community Services (Age Care Electives)</td>
<td>This qualification is offered over 12 months. The course is an introduction to working within a community service organisation and will focus on general skills required to work effectively with older people.</td>
<td>Students may be required to purchase course resources</td>
</tr>
<tr>
<td>Perth (Northbridge)</td>
<td>Beauty Therapy</td>
<td>Certificate II in Retail Makeup Services</td>
<td>This qualification is offered over Terms 1 – 3. The course will equip students with the skills required to work within the retail cosmetics services industry or as a make-up artist.</td>
<td>$200 – this covers learning resources</td>
</tr>
<tr>
<td>Perth (Northbridge)</td>
<td>Beauty Therapy</td>
<td>Certificate II in Nail Technology</td>
<td>This qualification is offered over Terms 1 – 3. This course will enable students to gain practical skills in manicure and pedicure services and applying nail enhancements.</td>
<td>$200 – this covers learning resources</td>
</tr>
<tr>
<td>Perth (Northbridge)</td>
<td>Beauty Therapy</td>
<td>Certificate III in Beauty Services</td>
<td>This qualification is available ONLY for students who have completed the Certificate II in Makeup Services or the Certificate II in Nail Technology.</td>
<td>$200 – this covers learning resources</td>
</tr>
<tr>
<td>Perth (Northbridge)</td>
<td>Business</td>
<td>Certificate III &amp; IV in Business</td>
<td>These programs provide students with the chance to experience a practical and real business environment. Students work in admin. finance, human resources and sales &amp; marketing.</td>
<td>Students may be required to purchase learning resources</td>
</tr>
<tr>
<td>Leederville</td>
<td>Child Care</td>
<td>Certificate II in Community Services</td>
<td>This qualification is offered over one year. This program will provide students with the practical skills and knowledge in caring for children in various settings.</td>
<td>Students may be required to purchase learning resources</td>
</tr>
<tr>
<td>Perth</td>
<td>Building &amp; Construction</td>
<td>Certificate II in Building &amp; Construction (Para-Professional)</td>
<td>This program will allow students to gain experience in non-trade job roles available in the building industry, such as estimating, site management, construction administration and sales consultant. It includes work placement in a construction office environment. Students could then work in a traineeship or further training in the VET pathway.</td>
<td></td>
</tr>
</tbody>
</table>
# ONE DAY STP, FOUR DAYS OF SCHOOL (Day to be advised. Places are limited.)

<table>
<thead>
<tr>
<th>Campus</th>
<th>Program Name</th>
<th>Qualification</th>
<th>Comments</th>
<th>Material Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perth</td>
<td>Financial Services</td>
<td>Certificate III in Accounts Administration</td>
<td>This course will provide students with the practical skills and knowledge to record and create summaries of the financial transactions of a business or other organisation. Some of the units covered in this qualification include the following: working in the financial services industry; processing financial transactions and extracting interim reports; preparing financial reports; and establishing and maintaining a payroll system.</td>
<td>Students may be required to purchase learning resources</td>
</tr>
<tr>
<td>Mt Lawley</td>
<td>Health</td>
<td>Certificate II &amp; III in Health Services Support</td>
<td>This is a two year program that enables students to develop skills in communicating with client, assisting the nursing staff and working as a member of a team whilst developing an understanding of how the health sector works. (Cert. II is a pre-requisite of Cert III)</td>
<td>Students will be required to purchase a textbook to the value of $100</td>
</tr>
<tr>
<td>Mt Lawley</td>
<td>Health</td>
<td>Certificate IV in Preparation for Entry into Enrolled Nursing</td>
<td>This qualification will provide you with the skills and knowledge to gain entry into the Diploma of Nursing qualification. Student will learn skills to enable effective study management and assignment presentation and to use medical terminology. You will also be able to develop an understanding of anatomy and physiology; physics &amp; chemistry; microbiology and health mathematics</td>
<td>Students will be required to purchase course resources</td>
</tr>
<tr>
<td>East Perth</td>
<td>Information Technology</td>
<td>Certificate III in Information Technology (Network Administration)</td>
<td>This course provides an introduction to networking basics. Students will undertake units in installation, administration, running and maintenance of a network. Completion of this “taster” of units allows a student entry into further study options</td>
<td>N/A</td>
</tr>
<tr>
<td>Perth</td>
<td>Legal Studies</td>
<td>Certificate III in Business Administration (Legal)</td>
<td>This course runs over one year and provides students with the practical skills and knowledge to provide administrative support in a legal or general office environment</td>
<td>Students may be required to purchase text books</td>
</tr>
<tr>
<td>East Perth</td>
<td>Mine and Construction Surveying</td>
<td>Certificate II in Spatial Information Services</td>
<td>This qualification will provide you with the practical skills and knowledge to support surveying field activities in the mining industry. On completion of this course, you will have the skills to gain employment as a survey assistant in a mining or construction environment, and a pathway to continue on to become an engineering surveyor.</td>
<td>Students will be required to purchase course resources</td>
</tr>
<tr>
<td>East Perth</td>
<td>Multimedia</td>
<td>Selected Units of Competency from Certificate III in Media</td>
<td>This program runs from Terms 1 to 3 and introduces students to some of the skills required to work in the interactive Multimedia industry. Students will learn how to create illustrations using Photoshop and Illustrator, make 2D animations using Flash and create 3D models using 3D Studio Max.</td>
<td>No charge for resources</td>
</tr>
</tbody>
</table>
## State Training Provider – Central Institute of Technology

**Cont’d**

<table>
<thead>
<tr>
<th>Campus</th>
<th>Program Name</th>
<th>Qualification</th>
<th>Comments</th>
<th>Material Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leederville</td>
<td>Teacher Assistant</td>
<td>Certificate III in Education Support</td>
<td>This program combines course work and supervised field placement to provide students with practical skills and knowledge that enable them to work with teachers in the classroom from kindergarten to Year 12. The qualification takes two years to complete and students must be enrolled into WPL units at their school, where they will undertake placement in a primary school to complete course requirements.</td>
<td>Students will be required to purchase text books</td>
</tr>
<tr>
<td>Perth (Northbridge)</td>
<td>Tourism &amp; Events</td>
<td>Certificate II in Tourism</td>
<td>This program runs for one year and leads to the completion of the Certificate II in Tourism. Students will learn about the travel and tourism and events industry, and the available career opportunities whilst working in a virtual tourism office. Students may choose to undertake specialist electives.</td>
<td>No charge for resources</td>
</tr>
<tr>
<td>Perth (Northbridge)</td>
<td>Tourism &amp; Events</td>
<td>Certificate III in Tourism</td>
<td>This program runs for one year and leads to the completion of the Certificate III in Tourism. It is available ONLY to students who have completed Certificate II in Tourism.</td>
<td>No charge for resources</td>
</tr>
</tbody>
</table>

**One Day STP, Four Days School (Day to be advised. Places are limited.)**

For detailed information on these courses:

Central Institute of Technology
VETiS Higher Ed. Pathway Courses - 2014

These programs have a set pathway. Starting with entry into a Certificate 3 or Certificate 4 Central qualification (Government funded, profile courses). Followed by either a F/T Central Diploma/Advanced Diploma or University linked Diploma with credit, in most cases, for the 1st year of a Bachelor Degree (studied at Central). This will allow entry into the 2nd year of the Bachelor Degree at the linked university.

Business
- Certificate III in Business – Yr 11 start

Health
- Certificate III in allied Health Assistance – Yr 11 start

Events & Tourism
- Certificate III in Tourism (Wed) – Yr 11/12 start
- Certificate III in Events (Wed or Fri) – Yr 11/12 start

Central Institute of Technology
VETiS Beauty Pathway – 2014

Beauty
Courses in beauty will be available but the model for schools is so new and innovative that they are still being fine-tuned. More information will be available after July 2013. Central have state of the art beauty studios and equipment in addition to a fully functioning commercial clinic at our Northbridge premises.
### PRE-APPRENTICESHIPS IN SCHOOLS PROGRAM (PAiS)
#### 2 DAYS POLYTECHNIC WEST, 3 DAYS SCHOOL

<table>
<thead>
<tr>
<th>Campus</th>
<th>Qualification</th>
<th>Day</th>
<th>Interview</th>
<th>Comments</th>
<th>Material Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bentley</td>
<td>Certificate II in Hospitality (Kitchen Operations)</td>
<td>Thursday and Friday</td>
<td>Yes</td>
<td>Individual Interviews. Induction to be held in early December at Bentley Campus</td>
<td></td>
</tr>
<tr>
<td>Midland</td>
<td>Certificate II in Electro technology - Pre-Apprenticeship Electrical</td>
<td>Thursday and Friday</td>
<td>Yes</td>
<td>Maths Assessment &amp; Questionnaire required to be completed. Individual Interviews.</td>
<td></td>
</tr>
<tr>
<td>Midland</td>
<td>Certificate II in Automotive – Pre-Apprenticeship Vehicle Servicing Light</td>
<td>Thursday and Friday</td>
<td>Bulk</td>
<td>Material Fee - Model Engine $50</td>
<td></td>
</tr>
<tr>
<td>Midland OR Thornlie</td>
<td>Certificate II in Engineering – Pre-Apprenticeship Fabrication (Heavy)</td>
<td>Thursday and Friday</td>
<td>Bulk</td>
<td>$60</td>
<td></td>
</tr>
<tr>
<td>Midland OR Thornlie</td>
<td>Certificate II in Engineering – Pre-Apprenticeship Mechanical (Fitter Machinist)</td>
<td>Thursday and Friday</td>
<td>Bulk</td>
<td>$60</td>
<td></td>
</tr>
<tr>
<td>Carlisle</td>
<td>Certificate II in Autobody Vehicle Body – Pre-Apprenticeship Vehicle Painting</td>
<td>Thursday and Friday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlisle</td>
<td>Certificate II in Autobody Vehicle Body – Pre-Apprenticeship Panel Beating</td>
<td>Thursday and Friday</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thornlie</td>
<td>Certificate II in Construction – Pre-Apprenticeship Carpenter</td>
<td>Thursday Friday</td>
<td>Bulk</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Program information is a guide only and subject to change. For further information:
- Talk to the VET Coordinator
- Polytechnic West Contact Details:
  - Course info: (08) 9267 7500
  - General enquiries: (08) 9267 7777
- Or visit [www.polytechnic.wa.edu.au/pwg/courses-programs/still-at-school/](http://www.polytechnic.wa.edu.au/pwg/courses-programs/still-at-school/) to browse the current range of programs on offer

**APPLICATION PROCESS**
- All programs are open to Year 11 & 12 students who are attending school in 2014.
- To express interest in one of the courses, please discuss with the VET Coordinator at school
- School reports are required to be submitted with applications. CV’s and any references are also strongly recommended to be submitted
- Applications will open in June 2013
- Applications will close on 30 August 2013
- Interviews will be held in September 2013