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This course handbook is correct at time of printing.
Any changes will be reflected on the website
www.tsc.sa.edu.au
Welcome

Our students come from across the road and around the world. They all know that the focus of studying at Thebarton Senior College is about learning for life.

Whether learning skills to enter the workforce or to prepare for tertiary study, learning is a lifelong journey.

At Thebarton Senior College we value respect, innovation, excellence and sustainability. Respect for each other and ourselves is demonstrated by a committed staff who work with you to ensure you reach your goals. Innovation is evident in our programs that provide opportunities for all students to find a pathway which interests them. Our pathways might begin with learning English, how to read and write, the skills for a particular job, but all lead to university or TAFE entry. Excellent staff, quality resources, high expectations and support will ensure you have the most experienced teachers who will challenge you to be your best. As a United Nations School for Global Peace, we strive to sustain both our community and our environment.

We offer you an outstanding program to assist you in completing your senior secondary education and establishing your pathway to work or further study.

This handbook outlines all the courses available. Our enrolment team will provide you with the advice you need to design the program appropriate to your specific needs.

For the very latest information on courses, please refer to our website at www.tsc.sa.edu.au

Kim Hebenstreit
Principal
September 2014
Becoming a student

ENROLMENT & COUNSELLING
Choosing the right course for you is important and our counselling team is available to guide you through the process and advise you of pathways which will help you achieve your goals.

Most of our courses are conducted over a full year or semester (half year).

We have two main enrolment periods each year:
- October - February for Semester 1 and full-year programs
- May - July for Semester 2 programs

CLASS TIMES
Most day classes begin at 8.40am, 10.55am, 1.20pm or 3.15pm and last for 105 minutes two or three times a week.

Some classes are offered as twilight sessions from 4.00 - 7.00pm.

At least one subject will be offered entirely on-line in 2015 and most subjects in SACE and VET will be supported with on-line components.

Some specialist courses, especially in The Skills Centre, may have different starting and finishing times. These will be discussed with you at enrolment.
Our courses...your pathway

Thebarton Senior College offers a wide range of courses and subjects to suit your needs. You will be able to complete your South Australian Certificate of Education (SACE) in a variety of ways, from academic pathways to the vocational training courses offered through our Registered Training Organisation (RTO). Courses fall into four broad categories.

ENGLISH LANGUAGE PROGRAMS

New Arrivals Program
This program offers an intensive English language and literacy course for adults. It aims to prepare students for living and working within the Australian community and for further study. See page 7.

Certificate in English Proficiency
The Certificates I and II in English Proficiency (40620SA, 40621SA) are nationally accredited courses designed for people from non-English speaking backgrounds who wish to develop the English skills necessary for living, working and/or studying in Australia. They may provide a pathway into TAFE training. See page 9.

CORE SKILLS
These subjects are designed for students with limited English skills. They are suitable for students from non-English speaking backgrounds with developing English and for those students with difficulties in English proficiency. They focus on the development of language, literacy and numeracy skills and prepare students for SACE studies. See page 10.

SOUTH AUSTRALIAN CERTIFICATE OF EDUCATION (SACE)

Stage 1 and Stage 2
We offer a very wide range of SACE subjects, at both Stage 1 and Stage 2. For further details, please see page 14.

To gain the SACE, students need to meet the following compulsory requirements:

• Personal Learning Plan (10 credits at Stage 1)
• Literacy – at least 20 credits from a range of English subjects or courses
• Numeracy – at least 10 credits from a range of mathematics subjects or courses
• Research Project – an in-depth major project (10 credits at Stage 2)
• Other Stage 2 subjects totalling at least 60 credits

The remaining 90 credits can be gained through additional Stage 1 or Stage 2 subjects or SACE Board-recognised courses of a student's choice.

Students must achieve a C grade or better in each of the compulsory SACE elements.

Stage 1 subjects are assessed by teachers at the College and moderated by the SACE Board.

All SACE Stage 2 subjects are moderated by the SACE Board and have school assessed and externally assessed components.

Further information about the SACE is available on the SACE Board web site at www.sace.sa.edu.au.
Our courses... your pathway

THE SKILLS CENTRE
An innovative development in the teaching of skills that are in demand in the workplace. The Skills Centre focuses on preparing students with work-ready skills and workplace experience in the areas of building, construction, metal trades, information technology, community services and business. See page 77.

VOCATIONAL CERTIFICATES (VET)
Our VET Certificate courses provide a set of related subjects that give students the skills and knowledge needed to obtain a nationally accredited certificate in the industry.

When successfully completed, students achieve a nationally recognised qualification at Certificate level (or Statement of Attainment if a full qualification is not completed).

All our VET courses contribute to SACE completion.

See the Skills Centre section of this book (page 77) for details of courses available in 2015.

SKILLS FOR ALL
Thebarton Senior College is a Skills for All provider. Individuals who meet course entry requirements and are able to verify their eligibility may be able to access government subsidies for their training. See page 78 for available subsidised courses.

TRAINING GUARANTEE FOR SACE STUDENTS
Students who are over 16 and working towards SACE completion may be eligible for funding towards a VET qualification (up to Certificate III level) in a variety of courses to contribute to their SACE.
NEW ARRIVALS PROGRAM
The New Arrivals Program (NAP) offers an intensive English language and literacy course for adults. It aims to prepare students for living and working within the Australian community and for further study.

PREREQUISITES
To enrol students must:
• Be permanent residents or on long-stay visas with permission to study in Australia
• Have been in Australia less than 12 months

ATTENDANCE
Students study full time and attend 25-27 hours per week (14-15 lessons). It is expected that students will complete homework in addition to attending classes.

ENROLMENT
Students are assessed on entry and placed in an appropriate class. Classes consist of students grouped at similar levels of English competency.

COURSE LENGTH: 2 - 4 SEMESTERS
Students are enrolled into the New Arrivals Program continuously throughout the year. In their first semester, students study:
• English as a Second Language
• Computing
• Students also develop English through Physical Education and Art
In their second/third/fourth semester students study:
• English as a Second Language
• Computing
• Mathematics
• Science
Students also develop English through Home Economics and Technology (Woodwork).

COURSE CONTENT
Students in the New Arrivals Program study the following subjects:

English as a Second Language
Students develop an understanding of Australian culture and gain knowledge of educational and career choices. Students develop writing, reading, speaking, listening and research skills through topics such as:
• Orientation to Australian society
• Migration and multiculturalism
• The media
• Current affairs
• Careers
• The environment

Excursions are an important way students learn English in the program.

Computing
Students develop skills in:
• Word processing
• Digital storytelling
• PowerPoint
• Spreadsheets
• Online learning and research

This subject supports language development within the NAP program. Students use computing skills in other NAP subjects.

continued next page
NEW ARRIVALS PROGRAM
continued from previous page

Mathematics
Students develop English language and skills appropriate for Mathematics.
Students develop mathematical knowledge, learn to apply the knowledge and are able to communicate mathematically through topics such as:
- Percentage
- Decimals
- Geometry
- Area
- Ratio
- Graphing

Science
Students develop English language and skills appropriate for Science.
Students develop and communicate scientific knowledge through topics such as:
- Microscope and cell structure
- Human body and reproduction
- States of matter and physical and chemical changes
- Elements, compounds and mixtures
- Forces or energy
- Acids, bases and indicators
Students also learn research and laboratory skills.

ASSESSMENT
Assessments are carried out each term and reports are issued at the end of each semester.

PATHWAY
Students graduating from the New Arrivals Program can choose a pathway through the SET - Transition to Work program, Core Skills courses, the South Australian Certificate of Education (SACE), vocational certificate programs or other further educational options.

FURTHER INFORMATION
Each class attends our City Campus (1st Floor, 22 Grenfell Street, Adelaide) for lessons on one day a week. These lessons are part of the English curriculum and provide the students with opportunities to learn more about the city, its culture and people.
ENGLISH PROFICIENCY CERTIFICATES
The Certificates in English Proficiency are nationally accredited courses designed for people from non-English speaking backgrounds who wish to develop the English skills necessary for living, working and/or studying in Australia.

ENGLISH PROFICIENCY CERTIFICATE I: 40620SA
This program is offered to students who cannot access the New Arrivals Program, have been in Australia for longer than 18 months or want to study part time.
Students study a minimum of 6 lessons of English per week, covering:
• Conversational English
• Giving personal information
• Basic writing skills
• Numeracy including money, weights and measures
• Following instructions
• Reading short texts
• Requesting information and making complaints
• Understanding spoken and written instructions
• Writing short descriptions and recounts
• Study skills and goal setting

ENGLISH PROFICIENCY CERTIFICATE II: 40621SA
This program is designed for students who are proficient at Certificate I level. Students will study a minimum of 6 lessons of English per week covering:
• Extending the basic skills in reading, writing, speaking and listening
• Familiarising students with Australian systems and society
• Understanding studying and working in Australia

ELECTIVES
These electives may help students to complete their certificate.

Grammar and Writing
Helps students to understand the rules and patterns of grammar. Students write various short texts.

Conversation and Pronunciation
Students learn and revise basic sounds of English and the ways they are combined.

ASSESSMENT
Competency based assessment is used.

ACCREDITATION
Students who successfully complete all the competencies will be accredited with a Certificate in English Proficiency at either Certificate I or II level.
Thebarton Senior College is a Registered Training Organisation for these certificates.
Core Skills

THE CORE SKILLS
- Learning
- Reading
- Writing
- Oral Communication
- Numeracy

These skills are essential for people to participate in our society. People need to communicate effectively in many different ways, for diverse purposes, in a variety of contexts and to think critically about information and ideas.

The Australian Core Skills Framework (ACSF) provides a rich, detailed picture of real-life performance in adult learning, English language, literacy and numeracy. It also provides a consistent national approach to the identification of the core skills requirements and a common reference point for describing and discussing performance in the five core skill areas mentioned above.

There are three levels of performance and a person’s level of performance is determined by whether they can demonstrate competence in each of the indicators at that level.

In all of the Core Skills courses, students develop reading, writing, oral communication and practical skills to prepare for further study or work.

COMPUTING
Core Skills

COURSE DESCRIPTION
In this course students use computing applications such as Microsoft Word, Excel and PowerPoint and use the internet to email and to search for information.

The course emphasizes the literacy and practical skills necessary for success in work or study.

ASSESSMENT
On-going written, oral and practical.
COOKING
Core Skills

COURSE DESCRIPTION
This subject helps students improve their reading, writing, oral communication and numeracy by preparing and cooking food.

COURSE CONTENT
The course helps students to gain experience and prepare for Stage 1 studies and includes:
• Food safety and hygiene
• Equipment and utensils
• Preparing and eating healthy nutritious foods
• Cooking for different occasions
• Experiencing food from other cultures
• Numeracy skills used in cooking - for example, measuring, estimating and time

ASSESSMENT
Assessment is continuous. Students are assessed on their:
• Class work
• Cooking and kitchen skills

ENGLISH
Core Skills

COURSE DESCRIPTION
This course is an intensive English literacy and language course for those students learning English as their second language and prepares students for future studies at Stage 1. The course focuses on the major skills needed for reading, writing and speaking, with a strong emphasis on the skills needed to become independent learners.

COURSE CONTENT
• Read short, simple texts and look for specific information
• Select relevant information from spoken text
• Write notes, paragraphs, short descriptions and reports
• Listen to and ask questions to get specific information
• Use the computer to search for information
• Examine differences between spoken and written English
• Learn organisational and other learning skills for further study
• Develop a future pathway for study or career goals

ASSESSMENT
Assessment is ongoing and students are assessed on all work completed. Teachers assess students learning in reading, writing and oral communication. Students learning is assessed using a checklist of skills.

FURTHER INFORMATION
Study at this level prepares students for further study in ESL.
**Core Skills**

**LIVING IN AUSTRALIA**  
Core Skills

**COURSE DESCRIPTION**  
This course is designed to provide an understanding of the geographical, historical and cultural factors that have shaped Australia. In particular, the course aims to provide students with an understanding and appreciation of contemporary events and issues.

**COURSE CONTENT**  
**Living in Australia A**  
An overview of the history and geography of pre-colonial and colonial societies.

**Living in Australia B**  
An appreciation of:
- What it means to be Australian  
- Australian cultural beliefs and values

Study includes the:
- Influence of Aboriginal and British cultures
- Exploration of the growth of population and the contributions of migrants

**ASSESSMENT**  
School-based assessment involving written and oral tasks.

---

**NUMERACY**  
Core Skills

**COURSE DESCRIPTION**  
**Numeracy A**  
This course is intended to develop skills in Mathematics for students with little background knowledge in the area.

**Numeracy B**  
This course is intended to provide students with the mathematical skills used in everyday situations. It is a stepping stone to further studies in Mathematics.

**COURSE CONTENT**  
**Numeracy A**  
- Numbers
- Money
- Charts and Data
- Measurement
- Space
- Time

**Numeracy B**  
- Topics will include:
  - Types of numbers and their usage
  - Consumer Mathematics
  - Data use
  - Use of technologies
  - The 3-dimensional world

**ASSESSMENT**  
School-based assessment  
- Skills and application tasks
- Folio tasks
SCIENCE Core Skills

COURSE DESCRIPTION
Science A
An introduction to the branches of science, where students develop an understanding of the basic role of Science in our world.

Science B
A pre-SACE course to provide students with the skills for SACE Stage 1 science subjects.

COURSE CONTENT
Science A
The course is based around developing skills in the following areas:
• Laboratory techniques
• Conducting experiments and investigations
• Basic scientific research
• Writing reports
• Working collaboratively
• Critical thinking
• Evaluating information
• Presenting findings

Science B
Each semester has a focus on different aspects of Science in which the following are covered:
• Explaining scientific phenomena
• Reading and understanding scientific text
• Planning and investigation
• Conducting research
• Collating, representing and analysing data
• Evaluating scientific investigations
• Presenting findings

ASSESSMENT
Assessment includes a variety of tasks that cover student understanding and skills acquired. Individual and collaborative tasks are assessed.

TRADE SKILLS Core Skills

COURSE DESCRIPTION
This subject helps students improve their reading, writing, oral communication and numeracy through the development of practical trade skills.

COURSE CONTENT
The course helps students to gain experience and prepare for Stage 1 studies. The course includes:
• Workshop safety
• Use of hand tools and machinery
• Preparation of materials
• Reading and using technical drawings
• Numeracy skills used in trades for example, measuring and marking
• Production of projects

Workshop areas may include Woodwork, Metalwork, Electronics and Automotive.

ASSESSMENT
Assessment is continuous and school based. Students are assessed on their:
• Class work
• Practical skill development

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SACE Requirements

THE SACE
The South Australian Certificate of Education (SACE), has been designed to meet the needs and interests of today’s young people, as well as to make it relevant for employers who are increasingly looking to employ highly skilled workers.

Students need to achieve the compulsory literacy and numeracy requirements of the SACE. To do this they need to achieve a C grade or better in a range of English and Mathematics subjects.

Both Stage 1 and Stage 2 subjects are graded from A to E.

All students are expected to gain knowledge, skills, and attributes in the areas of communication, citizenship, personal development, work and learning.

Students need to earn 200 credits to successfully complete the SACE. Ten credits equates to one semester or six months of study in one subject.

LITERACY & THE SACE
Study at SACE level involves a range of reading, writing, speaking and listening tasks. To undertake SACE courses, students require literacy skills that enable them to engage with the learning and achieve success.

As a guide, if you have achieved a C grade or higher in a Stage 1 English or ESL class you should have the necessary literacy skills to study most Stage 2 subjects. There are some subjects however which require higher levels of literacy.

Teachers and counsellors discuss this with you during the recommendation and enrolment process.

For some SACE Stage 2 subjects, it is recommended that students have completed study at Stage 1 level.

This means that the learning in Stage 2 is based on learning in Stage 1.
COMPULSORY SUBJECTS

• **Personal Learning Plan** – 10 credits (Stage 1)
• **Literacy** – at least 20 credits from a range of English subjects or courses
• **Numeracy** – at least 10 credits from a range of Mathematics subjects or courses
• **Research Project** – an in-depth major project (10 credits at Stage 2)

Students also need other Stage 2 subjects totalling at least 60 credits.
The remaining 90 credits can be gained through additional Stage 1 or Stage 2 subjects, vocational training or SACE Board-recognised courses of a student’s choice.

Subjects
SACE subjects are grouped into the following curriculum areas:
• Business, Enterprise and Technology
• Cross-disciplinary
• English
• Health and Physical Education
• Humanities and Social Sciences
• Languages
• Mathematics
• Sciences

ASSESSMENT

All Stage 1 subjects are school assessed. Some may be externally moderated.

All Stage 2 subjects have a school assessed and an external assessment component. The school assessed component is externally moderated.

VOCATIONAL EDUCATION AND TRAINING - (VET) - IN SACE

Of the 200 credits required to complete the SACE, 180 can be gained through the recognition arrangements for VET within SACE. Within these 180 VET-based credits, students must also fulfil the literacy and numeracy requirements of the SACE.

The Personal Learning Plan and the Research Project are awarded the remaining 20 SACE credits. Students can use a vocational context in completing these subjects.
**SACE Requirements**

**ADULT STATUS**
An adult student is a person who is at least 18 years old on 1 January in the year he or she completes the SACE, and who has left school for at least one continuous year.

On re-entry, adult students will be awarded up to a maximum of 110 credits at Stage 1.

SACE completion requires:
- 60 credits from Stage 2 SACE Board-accredited subjects or VET courses
- Research Project for 10 credits
- 20 credits from other Stage 1 or Stage 2 Board-accredited subjects or VET courses
- Minimum literacy and numeracy requirements

Adults do not have to complete the Personal Learning Plan.

**ADULT EDUCATION POLICY**
Students aged 21 years and over at the time of enrolment are required to sign a SACE Pathways Plan. The plan is developed in partnership with the student and College and outlines the agreed learning pathway that the student intends to undertake to complete their SACE.
SACE = 200 CREDITS

For further information, visit www.sace.sa.edu.au
SACE Integrated Programs

SACE Integrated Programs are curriculum offerings in which subjects are grouped together and integrated.

Advantages of studying in this way include:

- The learning and assessment in each subject supports the learning and assessment in the other subjects in the program
- Working with the same group of students
- Working with a small group of teachers who support student learning across all subjects included in the program
- Student learning is developed around their own strengths and interests

Thebarton Senior College offers three SACE Integrated Programs:

**Stage 1 PC Gaming**
40 Stage 1 credits including the compulsory 20 literacy and 10 numeracy credits.

**Stage 2 SACE Completion Program**
SACE completion without an Australian Tertiary Admissions Ranking (ATAR).

**Stage 2 ATAR Program**
SACE completion with an ATAR for tertiary entry.

### PC GAMING
**SACE Stage 1**

**COURSE DESCRIPTION**
This course provides students with the opportunity to meet the SACE literacy and numeracy requirements through engaging with and studying PC games. Students can study for either one or two semesters with the possibility of earning 20 SACE credits per semester.

Students study four subjects.

### MEDIA STUDIES
**SACE Stage 1**

**COURSE DESCRIPTION**
This course examines how video games fit into mass media, the consumption of video games, what issues are specifically related to a gaming context, and issues shared across multiple media types. Students also examine how some game-related media is constructed and have an opportunity to create their own media.

**ASSESSMENT**
- Folio 40%
- Interaction Study 30%
- Product 30%

**FURTHER INFORMATION**
This course runs concurrently with Literacy for Work and Community Life B in Semester 2.

- Women in Media
- Violence in Media
- Advertising

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LITERACY FOR WORK & COMMUNITY LIFE A
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course emphasises playing, interpreting and critically analysing a range of video games. Students explore common themes and issues in the gaming world. It also involves oral presentations and writing for a variety of audiences.

COURSE CONTENT
- Games in the Media
- Themes in Video Games
- Cyberpunk

ASSESSMENT
Text Analysis 40%
Text Production 60%

FURTHER INFORMATION
This course runs concurrently with Numeracy for Work and Community Life in Semester 1.

LITERACY FOR WORK & COMMUNITY LIFE B
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course follows on from the Semester 1 class and continues to emphasise playing, interpreting and critically analysing a range of video games. Students continue to explore common themes and issues in the gaming world. More oral presentations and writing for a variety of audiences are completed.

COURSE CONTENT
- Superheroes and Origin Stories
- The Hero’s Journey
- Game Advocacy
- Themes in Video Games

ASSESSMENT
Skills and Application Tasks 30%
Folio 70%

FURTHER INFORMATION
This course runs concurrently with Literacy for Work and Community Life A in Semester 1.

NUMERACY FOR WORK & COMMUNITY LIFE
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course emphasises the study of mathematics in a gaming context, including using data in context and statistics. Students undertake survey-based research and communicate mathematical data to a variety of audiences.

COURSE CONTENT
- Communicating Mathematical Information
- Collating Data
- Infographics

ASSESSMENT
Skills and Application Tasks 30%
Folio 70%
SACE Integrated Programs

SACE COMPLETION PROGRAM
SACE Stage 2 70 credits

COURSE DESCRIPTION
This course gives students the opportunity to complete SACE and achieve TAFE eligibility, but does not provide entry into University (although a University pathway is still possible after further TAFE studies).

If an additional subject is undertaken in conjunction with the program an ATAR can be gained for University entrance.

COURSE STRUCTURE
The course consists of four subjects:

ENGLISH PATHWAYS
SACE Stage 2 20 credits
Students respond to oral and written texts and write their own.

WORKPLACE PRACTICES
SACE Stage 2 20 credits
This course develops knowledge and understanding of the nature, type and structure of workplaces. This includes topics such as the changing nature of work, industrial relations, legislation, workplace health and safety and current issues linked to workplaces.

WORKPLACE DOCUMENTS
SACE Stage 2 20 credits
This course aims to develop skills and confidence in using a range of information and communication technologies with a workplace focus. Students develop knowledge and skills in creating workplace documents using Microsoft Word, PowerPoint and Publisher.

RESEARCH PROJECT
SACE Stage 2 10 credits
Students complete the Research Project based on an area of personal interest.

ASSESSMENT
Assessment in each subject includes school and external assessment components. There are no examinations in this course.

PATHWAY
Successful completion will meet minimum entry requirements for a range of Certificate III or higher courses at TAFE.

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ATAR PROGRAM
SACE Stage 2 90 credits

COURSE DESCRIPTION
This course gives students the opportunity to complete their SACE and gain an ATAR for University entrance. The subjects are integrated so that the learning and assessment in each subject supports the learning and assessment in the other subjects included in the program.

COURSE STRUCTURE
The course consists of five subjects:

ENGLISH COMMUNICATIONS
SACE Stage 2 20 credits
In English Communications students read a range of educational, vocational and cultural texts.
Students learn to recognise the conventions of different text types for different purposes, audiences and contexts.
They use this learning in composing their own texts and in commenting on the texts they read.

OR

ESL
SACE Stage 2 20 credits
In this course, students develop their understanding, confidence and proficiency in the use of the English language, developing skills as critical readers, viewers, listeners, speakers and writers.

SOCIETY & CULTURE
SACE Stage 2 20 credits
Students develop skills in various approaches to, and methods of, investigating and analysing contemporary social issues. They become familiar with the limits and potential of these approaches and methods and with the ethical issues associated with them.
The choice of topics will reflect the experiences, backgrounds and interests that each student brings to their studies.

INFORMATION PROCESSING & PUBLISHING
SACE Stage 2 20 credits
Students apply practical skills and design principles to provide creative solutions to text-based communication tasks. They create both hard copy and electronic text-based publications and evaluate the development process.
Students use technology to design and implement information processing solutions and identify, choose and use the appropriate computer hardware and software to process and manage and communicate information in a range of contexts.
SACE Integrated Programs

HEALTH
SACE Stage 2  20 credits
Students learn about the factors that shape the behaviour and attitudes of individuals and groups in relation to healthy living and caring for themselves and the environment. They develop skills to consider how changing social structures, community values, environmental issues and new technologies affect the health and well-being of individuals and communities.

RESEARCH PROJECT
SACE Stage 2  10 credits
Students develop research skills and complete the Research Project based on an area of personal interest.

ASSESSMENT
Assessment in each subject includes school and external assessment components. There are no examinations in this course.

PATHWAY
Successful completion of this course enables students to meet the entry requirements for most tertiary courses.
Stage 1 Subjects

Accounting
Adult Literacy
Art
Art and the Community
Bicycle Safe Use and Maintenance
Biology
Business and Enterprise
Car Care
Chemistry
Child Studies
Computer Drawing
Computing
Design
Drama
English
English Pathways
English as a Second Language
ESL Pathways
Fitness for Women
Food and Hospitality
Food and the Community
Geography
Geology
Health Science
History
Humanities
Information Processing & Publishing
  Business
  Personal
Integrated Numeracy
Introduction to Trades
Legal Studies
Mathematical Applications
Mathematics Pathways
Mathematical Studies
Metal Machining
Numeracy for Work and Community Life
PC Gaming (see page 18)
Personal Learning Plan
Photography
Physics
Psychology
Recreation and Fitness
Science Pathways
Society and Culture
Stop Motion Animation
Textiles
Video Production
Volleyball
Volunteering in the Community
Welding
Women's Studies
Woodwork
Working in Australia
Workplace Practices
ACCOUNTING A & B
Business, Enterprise and Technology
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
The study of Accounting gives students opportunities to learn practical skills needed to record and understand financial business information.

COURSE CONTENT
Accounting A
- Role of accounting
- Financial reports (Statement of receipts and payments)
- Business documents
- Keeping cash journals

Accounting B
- Personal financial information (Budgeting)
- Classified final reports and analysis and interpretation of final reports
- Journals
- Double entry recording

ASSESSMENT
Skills and Applications Tasks 70%
Investigative Study 30%

FURTHER INFORMATION
Accounting A is not a prerequisite for Accounting B. The study of Stage 1 Accounting will be beneficial for the study of Accounting in Stage 2 and at tertiary level.

ADULT LITERACY A & B
English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This subject provides basic and functional language development. Knowledge of English is developed around everyday written, visual and multimedia texts.

COURSE CONTENT
Students build on their own experiences of daily life, work experiences and community participation to study topics related to:
- Media
- Social issues
- Consumer awareness
Students are supported in the creation of brochures, posters, ICT presentations and research reports.

ASSESSMENT
Text analysis 40%
Text production 60%
ART A & B
Arts
SACE Stage 1  10 or 20 credits

COURSE DESCRIPTION
In Creative Arts Art students choose to study an area of interest from the areas of painting, drawing and printmaking. They participate in the development and presentation of a product either individually or as a group. A focused exploration of skills related to the student's area of interest is completed.

Students also investigate other artists and their work and analyse works of art.

COURSE CONTENT
The following areas of study are covered:
- Creative Arts Process
- Development and Production
- Concepts in Creative Arts Disciplines
- Creative Arts in Practice

ASSESSMENT
Folio  40%
Product  60%

ART & THE COMMUNITY A & B
Cross-disciplinary
SACE Stage 1  10 or 20 credits

COURSE DESCRIPTION
Students prepare a contract of work to undertake a community activity at the end of the course. Students develop an individual program of learning around their interest, knowledge and skills.

COURSE CONTENT
Students plan, make decisions and develop their art work leading to a final presentation in the form of an exhibition at the end of the semester. Students also reflect on their work, learning and feedback received.

ASSESSMENT
- Contract of Work
- Reflection
BICYCLE SAFE USE & MAINTENANCE
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Confidently join the growing cycling population. This course will provide practical experience and skills training.

COURSE CONTENT
Learn to identify, maintain and repair bike parts and accessories. This course also provides practical on-road experience and knowledge of the rights and responsibilities of a road user.

ASSESSMENT
Practical 50%
Group Activity 20%
Folio and Discussion 30%

BIOLOGY A & B
Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This subject is intended for students who have an interest in Biology and may wish to continue with further studies in Biology at Stage 2.

COURSE CONTENT
Biology A
• Classification of animals
• Ecology
• Adaptation
• Use of microscopes
• Cell functions
• Cancer
• Human physiology

Biology B
• Micro-organisms
• Human physiology
• Plant adaptations
• Genetics

ASSESSMENT
Assessment includes written tests, experiment reports, oral presentations and issues analysis.

Skills and Application Tasks 60%
Investigations 40%

FURTHER INFORMATION
Prepares students for SACE Stage 2 Biology or Psychology.
BUSINESS & ENTERPRISE
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Students gain an understanding of business operations and how internal and external factors influence the performance of businesses. Students improve their knowledge and understanding of the contribution small businesses make to society.

COURSE CONTENT
• Business in Australia
• Nature and Structure of Business
• Business Enterprise

ASSESSMENT
Folio 50%
Practical 25%
Issues Study 25%

CAR CARE A & B
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students learn how to choose, buy and affordably run and maintain a motor vehicle. Topics include energy sources, automotive systems maintenance, simple fault finding and repair, finance and budgeting, personal consumer rights and obligations.

COURSE CONTENT
• Vehicle types and choices
• Fuel types and choices
• System identification and function
• Finance and budgeting
• Motoring organisations
• Pre-purchase inspection and consumer checks
• Owner's checks and maintenance schedules
• Subject specific literacy and numeracy

ASSESSMENT
Practical 40%
Group Activity 40%
Folio and Discussion 20%

FURTHER INFORMATION
This course provides a useful foundation for students contemplating a career or future study in the automotive industry.
CHEMISTRY A & B
Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Chemistry A provides basic chemical knowledge that can be applied to everyday situations. Chemistry B provides a more specific background for Stage 2 Chemistry.

COURSE CONTENT
Chemistry A
• Atomic nature of matter
• Periodic Table - metals and non-metals
• Elements and compounds
• Structure of materials - metallic, ionic and covalent bonding
• Petrol and organic chemistry
• Laboratory skills (including WHS)
• Writing formulae and balancing equations

Chemistry B
• Stoichiometry
• Balancing equations and writing formulae
• Acids and salts
• Intermolecular forces
• Redox reactions
• Metal reactivity and electrochemistry
• Organic compounds
• Laboratory skills

ASSESSMENT
Skills and Application Tasks 45%
Folio 55%

FURTHER INFORMATION
It is recommended that students wishing to proceed to Stage 2 Chemistry complete both Chemistry A and Chemistry B.

CHILD STUDIES A & B
Health and Physical Education
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students examine the period of childhood from conception to 8 years and issues related to the growth, health and well-being of children. They examine diverse attitudes, values and beliefs about childhood and the care of children, the nature of contemporary families and the changing roles of children in a contemporary consumer society.

COURSE CONTENT
There are three areas of study.
• The nature of childhood and the socialisation and development of children
• Children in wider society
• Children, rights and safety

ASSESSMENT
Practical 50%
Group work 20%
Investigative Study 30%
COMPUTER DRAWING
INVENTOR 3D MODELLING
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course provides skills for students wishing to do well in any Stage 1 or 2 Design and Technology course. Students use the 3D Auto Desk Inventor software to produce three dimensional models of real life objects. From the models they are able to view assembly sequences and print dimensioned drawings to Australian Industry Standards. Drawing skills provide a base for the manufacture of items in wood or metals.

COURSE CONTENT
• Use industry standard software
• Read and interpret technical drawings
• Develop technical trade specific language
• Project planning and production sequences
• Accurate marking out and measuring skills
• Create virtual 3D models of real objects
• Create virtual assembly sequences for projects
• Print industry-standard technical drawings
• Produce a ‘production diary’ of project design and development

ASSESSMENT
Skills and application task 40%
Folio 20%
Product 40%

FURTHER INFORMATION
Provides preparation for designing and production planning in all Design and Technology and VET subjects.

COMPUTING A & B
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
The computing skills gained in this course can be applied to all subjects. In Computing A students gain introductory skills in a range of software including a word processor, a spreadsheets package and brainstorming software. Students work individually and in groups toward a research goal and document their learning in a journal. In Computing B the focus is on software that improves literacy, research skills, thinking and organizational skills.

COURSE CONTENT A
• Establishing research goals
• Create Mind Maps
• Survey design principles
• Produce and interpret graphs
• Collect and analyse data
• Develop presentation skills
• Report findings
• Reflect on learning

COURSE CONTENT B
• Research
• Keyboard
• Report writing
• Translating
• Speed reading
• Speech recognition

ASSESSMENT
Practical 40%
Group Activity 30%
Folio and Discussion 30%
SACE Stage 1

**DESIGN A & B**
Arts  
SACE Stage 1  
10 or 20 credits

**COURSE DESCRIPTION**

**Design A**
Students develop skills in graphic design. Programs such as Photoshop and Illustrator are used. Students produce a Design Product through using the Design Process which involves idea generation and refinement of ideas.

**COURSE CONTENT**

**Design A**
Students produce one Design Product and build a folio of investigative, developmental and productive work to support their final product. Logos will be created in 3D using laser cutting technology.

The process involves: investigation, research, idea generation, refinement, production.

Students create a folder as a record of the skills they have learnt. Design practitioners are also studied.

**Design B**
Students develop skills in Eco Sustainable Architecture. They design a product and build models of their work by hand or by laser cutting technology. They use visual images and text to advertise the architectural product. Programs such as Photoshop and Illustrator are used.

**ASSESSMENT**

<table>
<thead>
<tr>
<th>Folio</th>
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<tbody>
<tr>
<td>Product</td>
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**DRAMA**
Arts  
SACE Stage 1  
20 credits

**COURSE DESCRIPTION**

Creative Arts - Drama allows students to explore acting techniques, as well as develop and apply these skills in a project of their choice. In addition it also provides students with the flexibility to explore other areas such as production, direction or script design.

**COURSE CONTENT**

The focus of this course is on Drama, exploring and analysing theories, techniques and performance genres. It also involves focussed study of current practitioners and performance to develop an understanding and appreciation for the way that arts contribute to and shape individuals and communities through creativity and expression.

**ASSESSMENT**

<table>
<thead>
<tr>
<th>Product</th>
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<tbody>
<tr>
<td>Investigation</td>
<td>40%</td>
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<tr>
<td>Skills Assessment</td>
<td>20%</td>
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</table>
ENGLISH A & B
English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course is designed to provide skills in reading and responding to a range of texts as well as in the crafting and the production of various text-types.

COURSE CONTENT
- Reading and responding to novels, short stories, poems, plays or films.
- Appreciation of how authors communicate their ideas through the deliberate selection of techniques and language strategies.
- Analysis of the concepts, values, ideas and beliefs being expressed.
- Identification of the ways authors use language strategies to influence the audience.
- Creation of own communications, both written and oral, by developing and experimenting with different skills and text-types.
- An Extended Study into either Connected Texts, Language or as negotiated.

ASSESSMENT
This subject is moderated to ensure students attain the required Literacy levels to satisfy the literacy requirements of SACE.

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<tr>
<th>Component</th>
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<tr>
<td>Text Production</td>
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<tr>
<td>Text Response</td>
<td>40%</td>
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<tr>
<td>Extended Study</td>
<td>20%</td>
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FURTHER INFORMATION
This course is designed for students from English-speaking backgrounds.

ENGLISH PATHWAYS A & B
English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students read, listen, speak, respond to and compose texts, using language to establish and maintain effective connections and interactions with people in different contexts.

COURSE CONTENT
Students read, respond to, and produce texts. Students connect with other people in many ways, using a variety of forms for different purposes. This connection is established by reading, viewing, composing, responding, listening and speaking. When students engage with texts they develop skills in locating, recording, analysing, synthesising and using knowledge that is relevant to the contexts within which they are working. Through the connections they make, students use language skills to interact with other people and to solve problems.

ASSESSMENT
This subject is moderated to ensure students attain the required Literacy levels to satisfy the literacy requirements of SACE.

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<tr>
<th>Component</th>
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<tbody>
<tr>
<td>Text Production</td>
<td>50%</td>
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<tr>
<td>Text Response</td>
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FURTHER INFORMATION
This course is designed for students from English-speaking backgrounds.
ENGLISH AS A SECOND LANGUAGE A & B

COURSE DESCRIPTION
The course is designed for students for whom English is an additional language or dialect.

COURSE CONTENT
Each semester course includes the Text Study and one of the Language Application options:

- **Text Study** – students explore a range of written, oral and visual texts constructed for different purposes and in a range of genres.
- **Language Application (Communication Study)** – students study written and oral texts as they are used in contexts beyond the classroom, and in particular, the use of texts to persuade, influence and instruct others.
- **Language Application (Investigative Study)** – students investigate a topic of personal interest by moving beyond the classroom to interview one or more people.

ASSESSMENT
One oral and one written task from each of the sections above.

- Oral tasks 50%
- Written tasks 50%

FURTHER INFORMATION
Students who have had more than 5 years of education in English in Australia or overseas, will have their written English assessed by the ESL Coordinator to confirm their eligibility for Stage 1 ESL.

ESL PATHWAYS A & B

COURSE DESCRIPTION
This course is designed for students who may have completed NAP or CEP courses and wish to continue developing their English language skills in an academic context and possibly access further SACE studies. It develops students’ abilities to understand, respond to and compose oral and written texts in a range of genres and situations.

COURSE CONTENT
Each semester, four assessment tasks from:

- **Text Analysis** – students analyse different structural and language features of one or more texts to understand the ways in which texts are constructed for specific purposes and audiences e.g. letters, brochures, arguments, narratives, reports.
- **Text Production** – students study topics related to work and community life and produce oral and written texts.

ASSESSMENT

<table>
<thead>
<tr>
<th>Task</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Text Analysis 1</td>
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<tr>
<td>Text Production 1</td>
<td>25%</td>
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<tr>
<td>Text Production 2</td>
<td>25%</td>
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<tr>
<td>Text Production 3</td>
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FURTHER INFORMATION
This subject is appropriate for students who wish to follow an academic pathway.

It is recommended that students also enrol in CEP Grammar and Writing and/or CEP Conversation and Pronunciation to complement this course.
FITNESS FOR WOMEN A & B
Health and Physical Education
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course includes practical activities and theory related to fitness, health and lifestyle. It is especially suited to students wanting to develop their personal fitness, and those intending to proceed to Stage 2 Physical Education.

COURSE CONTENT
Practical Topics
• Cardio and weight training program
• Basketball, volleyball, badminton sports
• Other recreational activities of interest to the class group

Folio Topics
• Principles/methods to develop fitness
• Role of diet for health and fitness
• Investigation of a sporting issue of personal interest

ASSESSMENT
Practical activities 60%
Folio tasks 40%

FOOD & HOSPITALITY A & B
Health and Physical Education
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students develop an understanding of the dynamic food and hospitality industry through developing skills in the use of technology and following safe work practices to prepare, store and handle food. They investigate and explore concepts associated with food production, trends in food and hospitality and healthy eating practices.

COURSE CONTENT
Students study topics within the following areas of study:
• Food, the Individual and the Family
• Local and Global Issues in Food and Hospitality
• Trends in Food and Culture
• Food and Safety
• Food and Hospitality Industry

ASSESSMENT
Practical work
Group work
Issues Investigation
FOOD & THE COMMUNITY A & B
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students choose their own area of interest in the field of food and work individually, or in a team, to develop their capabilities for personal development, learning, communication and work by working in the community. The community can be the school or the wider community.

COURSE CONTENT
Students decide on their own community activity either individually or in a group and chosen topics may include:
- Nutrition
- Food preparation and presentation
- Catering
- The dietary needs of particular groups
- Food hygiene
- Or any other food related topic that interests the student or group of students.

An individual or group contract of work is written or recorded and then the community activity is carried out. At the end of the community activity, feedback from the community is given and the students then write or record information which reflects on their learning.

ASSESSMENT
Contract of work
Folio
Reflection

GEOGRAPHY
Humanities and Social Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
The study of Geography deals with diverse environmental phenomena and human activities including natural hazards, landforms, tourism, economic development, agriculture and urban planning.

COURSE CONTENT
There are four key themes:
Location and Distribution
The development of geographical abilities in relation to local, national, and global patterns and interconnections. Use of spatial technology is a critical component.

Natural Environments at Risk
Involves an understanding of the four spheres of the natural environment (atmosphere, biosphere, hydrosphere and lithosphere) and how each of these is at risk from human activities.

People, Resources, and Development
The interplay of culture, economics, politics and other social considerations is critical to this theme.

Issues for Geographers
Involves an exploration of the geographical nature of some of the issues facing societies.

ASSESSMENT
Skills and Applications Tasks 30%
Inquiry 25%
Fieldwork 20%
Investigation 25%
**GEOLOGY A & B**  
**Sciences**  
**SACE Stage 1**  
**10 credits**

**COURSE DESCRIPTION**  
In Geology students learn about one of Australia’s largest industries. Geology explores the sciences of the Earth and involves a camp, field trips and practical experiences. Geology is part of the GeoFutures Education program, a partnership between Thebarton Senior College and members of the mining and gas/oil exploration industry. Geology also involves extensive use of mobile technology including iPads.

**COURSE CONTENT**

**GEOLOGY A**  
- Structure of the Earth  
- Plate tectonics  
- Natural disasters  
- The Rock Cycle  
- Minerals  
- Issues in mining and gas/oil exploration

**GEOLOGY B**  
- Geological time  
- Plate tectonics  
- The Rock Cycle and Minerals (recap)  
- Tectonic features  
- Structural features  
- Investigating volcanoes, earthquakes and tsunamis  
- Issues in Geology

**ASSESSMENT**

- Investigations Folio 75%  
- Field Investigation  
- Issues Investigation  
- Practical Investigation  
- Skills and Applications Tasks 25%

**FURTHER INFORMATION**

Geology A includes a compulsory camp in semester 1. Both Geology A & B include compulsory field trips and excursions involving walking and physical activity.

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**HEALTH SCIENCE**  
**Sciences**  
**SACE Stage 1**  
**10 credits**

**COURSE DESCRIPTION**  
The course is designed for students who want to improve their general scientific knowledge, skills and writing techniques.

**COURSE CONTENT**

- Health, safety and hygiene  
- Health care professions  
- Body systems  
- Fitness  
- Stress  
- Injuries, allergies and first aid  
- Nutrition  
- Disease and medication  
- The immune system

**ASSESSMENT**

Written and oral assignments, topic tests and practical work.

- Skills and Application Tasks 50%  
- Folio 50%

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*Back to Contents*
HISTORY
Humanities and Social Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
History involves the investigation of human experience over time. By studying past events, actions and phenomena, students gain an insight into human nature and the ways in which individuals and societies function. History builds understanding through the investigation of historical concepts and ideas such as change and continuity; historical empathy; power and its distribution; the causes and resolution of conflicts; rules and rulers.

COURSE CONTENT
The course involves developing the skills of historical inquiry and two historical studies. The historical studies chosen are selected, in negotiation with the students, from the following:
• First World War
• Industrial Revolution
• 20th Century Australia
• Vietnam War
• French Revolution
• Chinese Revolution
• Movements of the 20th Century (Women’s, Environmental, Union etc)
• Negotiated studies

ASSESSMENT
Folio 40%
Sources Analysis 20%
Investigation 40%

HUMANITIES A & B
English
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course explores the following topics: democracy and citizenship; human rights and the impact of colonialism.

COURSE CONTENT
Humanities A
• Democracy and citizenship
• The Australian political system
• Colonies and empires
• Human Rights
• Developing nations

Humanities B
• Australian migration
• Unions
• Sustainability and you
• My community

ASSESSMENT
Text production 75%
Text analysis 25%
INFORMATION PROCESSING & PUBLISHING – PERSONAL
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Information Processing and Publishing focuses on the application of practical skills to provide creative solutions to personal text-based communication tasks.
Students create both hard copy and electronic text-based publications and evaluate the development process.

COURSE CONTENT
• Personal Publishing
• Data Input
• Keyboarding
• Personal Letters
• Margin Headings
• Displays
• Tables
• Menu displays

ASSESSMENT
Practical Skills 50%
Product and Documentation 30%
Issues Analysis 20%

INFORMATION PROCESSING & PUBLISHING – BUSINESS
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Information Processing and Publishing focuses on the application of practical skills to provide creative solutions to business text-based communication tasks. Business Publishing combines the use of software and hardware with the elements and principles of design and an understanding of the processes and procedures involved in using information to produce business publications.

COURSE CONTENT
• Business Publishing
• Business letters
• Business reports
• Agendas
• Minutes of meetings
• Menus
• Advertisements
• Itineraries
• Business forms

ASSESSMENT
Practical Skills 50%
Product and Documentation 30%
Issues Analysis 20%
INTEGRATED NUMERACY  
Cross-disciplinary  
SACE Stage 1  
10 credits

**COURSE DESCRIPTION**  
This course is intended as a foundation course for students requiring further development of numeracy skills in order to progress to Stage 1 Numeracy for Work and Community Life. Integrated Numeracy will not satisfy the numeracy component of the SACE.

**COURSE CONTENT**  
Number and Operations  
- Place value  
- Multiplication, addition, subtraction and division  
- Fractions, decimals, ratio and percentages  
Measurement  
- Units of measurement  
- Measurement skills  
- Investigating measurement  
Financial Numeracy  
- Calculating wages  
- Loans and interest

**ASSESSMENT**  
- Practical Activity 20%  
- Group Activity 1 20%  
- Group Activity 2 20%  
- Folio and Discussion 40%

INTRODUCTION TO TRADES  
Cross-disciplinary  
SACE Stage 1  
10 credits

**COURSE DESCRIPTION**  
This course provides students with a solid preparation for further studies in Design and Technology and vocational courses in Building and Construction and Metal Trades.

**COURSE CONTENT**  
Students learn about workplace health and safety in trades areas. They develop practical, writing and mathematical skills to prepare them to undertake practical tasks in:  
- Woodwork  
- Metals  
- Building  
- Reading plans  
Students work independently and prepare and record data and procedures.

**ASSESSMENT**  
- Practical 50%  
- Group Activity 20%  
- Folio and Discussion 30%
LEGAL STUDIES
Humanities and Social Sciences
SACE Stage 1 10 credits

COURSE DESCRIPTION
The study of Legal Studies provides insight into law-making and the process of dispute resolution and administration of justice. Students evaluate the merits of the adversary system of trial and other forms of dispute resolution systems and processes. In addition, students investigate legal perspectives on contemporary issues in society.

Students examine the Australian legal system. They read and write about, discuss, analyse and debate issues. They use a variety of methods to investigate legal issues, including observing the law in action in courts through various media.

COURSE CONTENT
• Law and Society
• People, Structures and Processes
• Law Making

ASSESSMENT
Folio 50%
Issues Study 25%
Presentation 25%

MATHEMATICAL APPLICATIONS A & B
Mathematics
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course is intended as a first unit for students who wish to proceed to other Mathematical courses. Students who achieve a 'C' grade or higher will gain the required SACE Numeracy.

COURSE CONTENT
Mathematical Applications A
• Earning and Employment
• Earning wages, salaries and taxation
• Balancing books, fees and charges
• Spending and percentage calculations, discounts and GST
• Measurement
• Scale, ratio and time
• Perimeter, area, volume and capacity

Mathematical Applications B
• Saving and Borrowing
• Financial institutions
• Balancing books, fees and charges
• Investing
• Statistics
• Mean, median and reliability
• Spread of a distribution
• Conjectures from interval and categorical data
• Excel spreadsheets for graphing purposes
• Sampling of populations
• Data based investigation

ASSESSMENT
Skills and application tasks 65%
Folio tasks 35%
Mathematics Pathways A & B

SACE Stage 1 10 credits

**COURSE DESCRIPTION**
Mathematics Pathways allows students to develop their Maths skills with an emphasis on context and use in the workplace. The course allows students to choose from a range of areas which may include: nursing and health care, building and construction, beauty and hair dressing, child care, defence force and business. Students investigate mathematic skills in these areas and develop their understanding and abilities in a context in which they are interested. Students have chances to attempt sample questions from mathematic testing in these fields if they are considering future careers in these areas. Students who achieve a 'C' grade or higher will gain the required SACE Numeracy.

**COURSE CONTENT**

**Data in Context**
- Students study techniques in collecting, displaying and analysing data in their chosen context.

**Measurement**
- Students investigate and study techniques used in measurement in relation to their chosen context.

**Earning and Spending**
- Students investigate processes for calculating wages and basic financial numeracy with some reference to their chosen context.

**ASSESSMENT**
- Investigations Folio 25%
- Mathematics Investigation
- Skills & Applications Tasks 75%
  - SKA Task 1
  - SKA Task 2
  - SKA Task 3

Mathematical Studies A

SACE Stage 1 10 credits

**COURSE DESCRIPTION**
Mathematical Studies A may be taken concurrently with, or following, Mathematical Studies B. Graphs and graphic calculators will be used throughout this subject to solve problems.

**COURSE CONTENT**

**Statistics**
- Centre of a distribution
- Spread of a distribution
- Sampling
- Normal distribution

**Geometry and Mensuration**
- Right angled triangle geometry, Pythagoras’ theorem
- Solution of problems involving non-right angled triangles using Sine and Cosine rules

**2-D Coordinate Geometry**
- Distance, mid-point, gradient formulae, ratio, equations of straight lines
- Intersection of straight lines
- Equations of circles

**ASSESSMENT**
- Skills and application tasks 70%
- Folio tasks 30%

**FURTHER INFORMATION**
Students who wish to do Mathematical Studies at Stage 2 should do both Mathematical Studies A and B at Stage 1. Students wishing to do Specialist Mathematics at Stage 2 should also do Mathematical Studies C (Specialist Preparation).
MATHEMATICAL STUDIES B
Mathematics
SACE Stage 1 10 credits

COURSE DESCRIPTION
Mathematical Studies B may be taken concurrently with, or following, Mathematical Studies A. Graphs and graphic calculators will be used throughout this subject to solve problems.

COURSE CONTENT
Quadratics and other Polynomials
- The quadratic function
- Quadratic algebra
- Cubics and Quartics

Models of Growth
- Linear functions
- Exponential functions

Logarithms
- Rules, solving exponential equations
- Using Binomial Theorem

Functions and Graphs
- Linking algebraic and graphical representations of a relationship
- Sketching of linear, quadratic and other functions
- Graphs of cubic polynomials

ASSESSMENT
Skills and application tasks 70%
Folio tasks 30%

FURTHER INFORMATION
See Mathematical Studies A

MATHEMATICAL STUDIES C
SPECIALIST PREPARATION
Mathematics
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course is intended to provide prerequisite knowledge for students who wish to proceed to Specialist Mathematics at Stage 2.

COURSE CONTENT
Planar Geometry
- Similar Triangles and Congruence
- Circle Properties
- Cyclic Quadrilaterals

Vectors
- Operations
- Component Form
- Unit Vectors
- Vector Projection

Periodic Phenomena
- Observing Periodic Behaviour
- Sine Function
- Cosine Function
- Trigonometric relationships

ASSESSMENT
Skills and application tasks 70%
Folio tasks 30%

FURTHER INFORMATION
The Study of Stage 1 Mathematical Studies A and B is assumed for all students wishing to study Stage 2 Mathematical Studies and Mathematical Studies C is required for Stage 2 Specialist Mathematics.
METAL MACHINING
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Metal Machining is a skilled process that uses a range of workshop tools and equipment to research, plan, create and develop metal-based products. Students use a range of hand tools and workshop equipment including drilling machines, milling machines and metal turning lathes to manufacture a range of small components to be assembled for a project. Students also research the impacts of technology on people, society and the environment.

COURSE CONTENT
The practical aspects of the course are underpinned with theoretical knowledge about metal machining processes and materials which include various steel, brass and aluminum sections, such as round, flat and hexagonal bar stock. There is a strong emphasis on industrial and workshop safety and a focus on employability skills.

ASSESSMENT
Skills and application tasks 20%
Folio 20%
Product 60%

FURTHER INFORMATION
This course is valuable preparation for further workshop based courses at Stage 1 and 2 level as well as VET programs.

NUMERACY FOR WORK & COMMUNITY LIFE A & B
Mathematics
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course is intended as a first unit for students who wish to proceed to other mathematics courses. Students who achieve a ‘C’ grade or higher will gain the required SACE Numeracy credits.

COURSE CONTENT
The following topics are covered:
• Using electronic calculators (scientific and graphic)
• Spreadsheets (Excel)
• Fractions, decimals, percentages
• Calculation of discounts, GST and simple interest
• Group work investigations
• Units of measurements and applying the units in everyday situations
• Measuring shape and space
• Investigating wages and salaries.

ASSESSMENT
Skills and application tasks 70%
Folio tasks 30%
PERSONAL LEARNING PLAN
Cross-disciplinary
SACE Stage 1 10 credits

COURSE DESCRIPTION
Students have an opportunity to explore the five Capabilities of Learning, Communication, Personal Development, Work and Citizenship.

COURSE CONTENT
Capabilities
• Write a short autobiography
• Development of capabilities

Goal Setting
• Use the SMART template to set goals
• Develop short term and long term goals

Planning Future Pathways
• Complete an on-line career quiz
• Collect career and job information, for example, Career Expo
• Research further study and training pathways
• Complete subject selections for the next semester

Presenting the Plan
Deliver a short presentation, supported by media such as PowerPoint and the resources collected. Outline plans for further study and training.

ASSESSMENT
Folio 75%
Reflection 25%

FURTHER INFORMATION
The PLP is a compulsory component of the SACE and it must be passed at C grade or better to count as 10 credits.

PHOTOGRAPHY
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course introduces students to the hardware, software, literacy and assessment skills required to be successful in Stage 2 Photography.

COURSE CONTENT
Students develop skills in camera handling, composition, light and post processing in Photoshop. Students undertake skills tasks, and a major production. In their major production they develop a brief with guidance from the teacher.

ASSESSMENT
Skills and Application Tasks 20%
Folio 30%
Product 50%

Back to Contents
### PHYSICS A & B

**Sciences**  
**SACE Stage 1**  
**10 or 20 credits**

**COURSE DESCRIPTION**  
The course is designed as an introduction to Physics. It enables students to understand and appreciate the world around them. The focus is on concepts and experimental methods used to understand what happens in the physical world.

**COURSE CONTENT**  
**Physics A**  
- Waves and their properties  
- Light and sound  
- Static and current electricity  
- Electricity in the home  

**Physics B**  
- Kinematics – the study of motion of objects  
- Dynamics – the study of the interaction of objects  
- Newton’s laws of motion  
- Conservation Laws  
- Relativity

**ASSESSMENT**  
Written assignments, topic tests and practical work including the testing of hypotheses.  
- Skills and Application Tasks: 60%  
- Folio: 40%

**FURTHER INFORMATION**  
It is strongly advised that students wishing to study Stage 2 Physics complete both Physics A and Physics B.

### PSYCHOLOGY A & B

**Sciences**  
**SACE Stage 1**  
**10 or 20 credits**

**COURSE DESCRIPTION**  
This course is an introduction to the study of Psychology showing how it relates to our social world. Psychology builds on the scientific method by involving students in the collection and analysis of qualitative and quantitative data. It enables students to understand their own behaviours and the behaviours of others.

**COURSE CONTENT**  
**Psychology A**  
- Introduction to Psychology - a required background in the principles of research, the profession and ethics.  
- Social Influence - a study of films and experiments, persuasion and aggression.  
- Emotions - a study of the way people express their emotions and the causes of behaviour.  

**Psychology B**  
- Introduction to Psychology - a required background in the principles of research, some basic statistics, the profession and ethics.  
- Biological Basis of Behaviour - functions of the human brain and how the brain is studied.  
- Human Personal Development.

**ASSESSMENT**  
- Skills and applications tasks: 50%  
- Folio: 40%  
- Group work: 10%
RECREATION & FITNESS A & B
Health and Physical Education
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This course includes practical activities relating to fitness and sports activities, as well as a study of topical issues relating to fitness, health and sport. It is especially suited to students wanting to develop their personal fitness and particular sports abilities and those intending to proceed to Stage 2 Physical Education.

COURSE CONTENT
Practical Topics
- Cardio and weight training program
- Basketball, volleyball, badminton, soccer, and fitness conditioning
- Other recreational activities of interest to the class group

Folio Topics
- Methods to develop fitness
- Components of a healthy lifestyle
- How we learn sports skills
- Investigation of a sporting issue of personal interest

ASSESSMENT
- Practical activities 60%
- Folio tasks 40%

SCIENCE PATHWAYS A & B
Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Science Pathways A provides students with the skills required for SACE Stage 1 Physics, Chemistry and Psychology.

Science Pathways B provides students with the skills required for SACE Stage 1 Biology, Geology and Nutrition.

COURSE CONTENT
Each semester will focus on different aspects of science in which the following will be covered:
- Explaining scientific phenomena
- Reading and understanding scientific text
- Planning and investigation
- Conducting research
- Collating, representing and analysing data
- Evaluating scientific investigations
- Presenting findings

ASSESSMENT
Assessment will include a variety of tasks that cover students’ understanding and the skills acquired. Individual and collaborative tasks will be assessed.

- Folio 50%
- Skills and Application Tasks 50%
SACE Stage 1

SOCIETY & CULTURE
Humanities and Social Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students study the interactions of people, societies, cultures and environments. They learn about the ways in which societies constantly change and are affected by social, political, historical, environmental, economic and cultural factors. Students develop the ability to influence their own future by acquiring skills, values and understanding that enable them to participate effectively in contemporary society.

COURSE CONTENT
Students study two of the following topics. Selection of topics negotiated with the class:
- Cultural diversity
- Social issues
- Popular culture
- Sub-cultures
- Lifestyle diversity
- Social change
- Land and culture

ASSESSMENT
Sources Analysis 50%
Group Activity 25%
Investigation 25%

STOP MOTION ANIMATION A & B
Arts
SACE Stage 1 10 or 20 credits

STOP MOTION ANIMATION A
COURSE DESCRIPTION
Students design and develop products of StopMotion Animation.
They use both ready made objects and characters as well as hand made characters.
They begin with animation exercises using iStopMotion software, iMovie, Photography and traditional stop motion techniques.
Students keep records of the processes and outcomes and reflect on them.
They produce an animation of their own design as a final product.

STOP MOTION ANIMATION B
COURSE DESCRIPTION
StopMotion Animation B has an emphasis on character designing/making, story telling and producing a product in the form of an imaginative animation. The process of work is recorded.
In both courses a study and analysis of animators’ works is required. The course includes skills practise to support the production process.

ASSESSMENT
Product 50%
Folio 50%
## TEXTILES A & B
Cross-disciplinary  
SACE Stage 1  
10 or 20 credits

### COURSE DESCRIPTION
The course looks at textiles and how they are used in the community. The class develops community activities as a group as well as each student undertaking their own community activity. Students are able to further develop their skills in sewing, computer embroidery design and machining and the sewing and using of textiles in a variety of garments and articles.

### COURSE CONTENT
Students select their own community activity which could include:
- Garment construction – clothing for adults, children or babies
- Accessories for fashion – eg scarves, bags
- Household items – quilts, cushions, throw rugs
- Using woven or stretch textiles in a variety of ways
- Creative use of textiles including knitting and crochet

### ASSESSMENT
Practical Community Activity
- Contract of Work
- Folio
- Reflection

## VIDEO PRODUCTION
Business, Enterprise and Technology  
SACE Stage 1  
10 credits

### COURSE DESCRIPTION
This course introduces students to the hardware, software, literacy and assessment skills required in Video Production.

### COURSE CONTENT
Students develop skills in camera handling, movement, composition, light, audio capture, team work and mixing and editing in Adobe Premiere. Students undertake skills tasks, and a major production of a short film or advertisement. In their major production they develop a brief with guidance from the teacher.

### ASSESSMENT
- Skills and Application Tasks 20%
- Folio 30%
- Product 50%
VOLLEYBALL
Cross-disciplinary
SACE Stage 1 10 credits

COURSE DESCRIPTION
This course focuses on developing skills, knowledge and understanding relating to the sport of volleyball - as it is played locally, nationally and internationally.

COURSE CONTENT
Practical Topics
• Skill development - serving, passing, attacking, blocking
• Team play - attack and defence positioning
• Refereeing - rules and signals
• Basic coaching skills

Folio Topics
• How we learn skills
• Role of volleyball as a social/competitive sport
• Diary of personal progress
• Communication - relating to others; performance analysis

ASSESSMENT
One assessment task is required for each of the following:
  Practical achievement
game skills and performance 25%
Refereeing and coaching skills 25%
Group Activity – students plan and administer a competition 25%
Folio and discussion – students record of evidence of their learning 25%

VOLUNTEERING IN THE COMMUNITY
Cross-disciplinary
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students gain experience and knowledge about volunteering and have the opportunity to undertake a volunteer experience.

The course provides an overall understanding of the types of volunteering including both local and international opportunities.

COURSE CONTENT
Students are introduced to the value of being a member of the Rotaract Club for Global Peace – Australia and how they can use the skills they learn to support the club. This is not a compulsory requirement.

Students also gain knowledge about the variety of volunteering experiences available, how to prepare for volunteering, responsibilities of a volunteer, legal requirements of a volunteer, basic first aid information and preparing a personal resume and skills register.

Students have the opportunity to be considered for RYLA (Rotary Youth Leadership Award) – a 7 day residential leadership program which is fully funded by Rotary Clubs.

ASSESSMENT
  Contract of Work
  Folio of Work – structured record of evidence
  Reflection on contract completion
WELDING
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Metal Welding is a highly skilled process that is used in the manufacture of products ranging from home appliances through to bridges and high rise buildings. In this course students learn to use a range of workshop tools including cutting and measuring and marking out tools. Students also learn to use a range of power tools and machinery. Workshop welding processes include Oxy-acetylene welding (OAW), Resistance welding (Spot), MMAW (Arc) and GMAW (Mig). Students also use workshop tools and equipment to develop a range of skills and knowledge of materials and processes and apply these to the manufacture of a mechanics mobile workshop stool.

COURSE CONTENT
The practical aspects of the course are underpinned with theoretical knowledge about metal machining processes and materials which includes various steel, brass and aluminium sections, such as round, flat and hexagonal bar stock. There is a strong emphasis on industrial and workshop safety and a focus on employability skills.

ASSESSMENT
Skills and Application Tasks 20%
Folio 20%
Product 60%

FURTHER INFORMATION
This course is valuable preparation for further workshop based courses at Stage 1 and 2 level as well as VET programs. Some previous experience in workshop based studies would be useful.

WOMEN’S STUDIES A & B
Humanities and Social Sciences
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
This subject focuses on women's achievements both in Australia and internationally. Students have opportunity to research areas or issues that interest them and that affect women's empowerment for the future. Students look at women's rights and roles in various societies and how these effect their choices. Women's Studies is an interactive subject where students learn from each other through discussions, as well as written, visual texts and guest speakers. There are no prerequisites for Women's Studies A or B. Stage 1 Women's Studies builds research and analytical skills useful for future Stage 2 Humanities subjects.

COURSE CONTENT
• Gender Analysis Framework: Women, Gender and Social Identity
• Representations of Women in Cultural Texts
• Key Issues in Women's Studies (one issue study)

ASSESSMENT
Text Analysis 40%
Group Presentation 30%
Issues Analysis 30%
WOODWORK A & B
Business, Enterprise and Technology
SACE Stage 1 10 or 20 credits

COURSE DESCRIPTION
Students investigate, design and create products from solid timber and manufactured boards. Students analyse the impact of making these products on society and the environment.

COURSE CONTENT
There is a strong emphasis on workshop safety. Students use hand tools, hand held power tools, and stationary machines to make a variety of products. A number of different woodworking joints, and techniques are investigated. Skills tasks involve critiquing raw material types (i.e. solid timber vs. manufactured boards), and making a small set piece of furniture. These two tasks are designed to provide the student with the skills and knowledge to undertake the folio task, which is to research and design a piece of furniture. The construction task involves making the item designed in the folio task. In woodwork A the product is a small table, in woodwork B a small cabinet.

ASSESSMENT
Skills and Applications Tasks 20%
Folio 30%
Product 50%

FURTHER INFORMATION
Safety glasses, ear muffs, dust masks and aprons are supplied when needed. It is necessary for students to wear sturdy shoes at all times in the workshop.

WORKING IN AUSTRALIA
English
SACE Stage 1 10 credits

COURSE DESCRIPTION
This program is designed to enable students to develop their English language literacy skills while creating a portfolio that will help them identify potential study, work experience and career opportunities.

COURSE CONTENT
This is a functional literacy class where explicit modelling and targeted exercises are provided to support development of literacy skills. Students gain a greater understanding of their own skills, interests, personal qualities and attributes. They have an opportunity to develop the capabilities of communication, citizenship, personal development, work and learning. Students gain an appreciation of, and competence in, the literacy skills valued by employers. They improve their understanding of workplace health and safety and equal opportunity.

ASSESSMENT
Text Analysis 40%
Text Production 60%
WORKPLACE PRACTICES
Business, Enterprise and Technology
SACE Stage 1 10 credits

COURSE DESCRIPTION
Students develop knowledge, skills and understanding of the nature, type and structure of the workplace. Students can undertake learning in the workplace and develop their capabilities, interests and aspirations.

COURSE CONTENT
Focus areas of study:
• Industry and Work Knowledge
• Vocational Learning
• Vocational Education and Training (VET)

2 topics will be selected from:
• Future Trends in the World of Work
• The Value of Unpaid Work to Society
• Workers Rights and Responsibilities
• Career Planning
• Negotiated Topics.

ASSESSMENT
Folio 40%
Performance 30%
Reflection 30%
SACE Stage 2

Accounting
Art – Creative Arts
Automotive Technologies
Biology
Building and Construction
Business and Enterprise
Chemistry
Child Studies*
Classical Studies*
Community Studies
Design – Creative Arts
Drama – Creative Arts*
English as a Second Language
English as a Second Language Studies
English Communications
English Studies*
Food and Hospitality*
Furniture Construction*
Geography*
Geology*
Information Processing & Publishing*

Legal Studies*
Mathematical Applications
Mathematical Methods
Mathematics Specialist*
Mathematical Studies
Metal Technologies*
Modern History*
Nutrition*
Physical Education
Physics
Psychology*
Research Project
SACE Completion Program (see page 20)
ATAR Program (see page 21)
Scientific Studies
Society and Culture
Textiles
Textiles and Work
Tourism*
Video & Photography*
Women's Studies*

* Subjects marked with an asterisk are offered in the twilight timeslot of 4 - 7pm.
ACCOUNTING
Business, Enterprise and Technology
SACE Stage 2 20 credits

COURSE DESCRIPTION
Students acquire knowledge and skills related to the processes involved in recording, analyzing, and reporting accounting information for effective decision-making.

COURSE CONTENT
The Environment of Accounting
Types of business entities
Influences on accounting information
Users of accounting information
Accounting process

Financial Accounting
- The Accounting Equation
- Double entry
- Accounting reports
- Cash flow
- Analysis and interpretation of financial statements

Management Accounting
- Cash budgets
- Recording inventories
- Control over debtors and assets
- Decision making and report writing

ASSESSMENT
School-based Assessment
Skills and Application 50%
Report 20%
External Assessment (examination) 30%

FURTHER INFORMATION
This course prepares students for further study in the area of finance and business. A background in Accounting Stage 1 is desirable.

ART – CREATIVE ARTS
Arts
SACE Stage 2 20 credits

COURSE DESCRIPTION
This subject gives students the opportunity for specialized study within the Arts area. Students participate in the development and presentation of creative art products. They analyze and evaluate products in different contexts and gain an understanding and appreciation of the ways in which creative arts contribute to, and shape the lives of individuals and communities.

COURSE CONTENT
Product
Students develop and produce two art products in their chosen art discipline eg painting, drawing, printmaking, sculpture, ceramics, installation, photography. A record of the creative process, including annotation and analysis, is developed.

Investigation
Students investigate an area of practice that is of interest to them, and a related practitioner. They can present one investigative report of 2,000 words, or two individual investigations of 1,000 words each.

Practical Skills
Students conduct a focused exploration, application and evaluation of skills appropriate to their preferred area of the creative arts. The Evaluation is 2,000 words written or 12 minutes oral.

ASSESSMENT
School Assessment
Product 50%
Investigation 20%
External Assessment
Practical Skills 30%
AUTOMOTIVE TECHNOLOGIES
Cross-disciplinary
SACE Stage 2 20 credits

COURSE DESCRIPTION
A practical course designed for students to develop skills and understanding of modern automotive applications.

COURSE CONTENT
Practical examination of the parts that make up the power, electrical, braking, and steering systems of the motor vehicle. Students gain skills and knowledge in maintenance and repair. Practical activities include:
- Vehicle servicing
- Small engine disassembly and reassembly
- Electrical circuit fault finding and repair

ASSESSMENT
School Assessment
  Practical 30%
  Group Activity 20%
  Folio and Discussion 20%
External Assessment
  Project 30%

BIOLOGY
Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
Biology as a Stage 2 subject is organised so that intended student learning is related to a key idea or concept. It is designed to give students a broader appreciation of aspects of living organisms from the cellular level through to ecosystems. The impact of human activities on the environment and other organisms is explored. Students develop investigative and evaluative skills through laboratory and research based activities.

COURSE CONTENT
Stage 2 Biology is organised around the following four themes:
- Macromolecules – Polysaccharides, lipids and proteins, DNA structure and function, genes and gene expression, humans can manipulate DNA
- Cells – Cell theory, cell structure and function in unicellular and multicellular organisms, cell cycle, energy transformations in cells
- Organisms – Hierarchical structure of multicellular organisms, role of specialised structures, asexual and sexual reproduction, impact of human lifestyle choices
- Ecosystems – Biotic and abiotic interactions in communities, trophic levels and energy, cycling of resources, natural selection and speciation, human practices and the environment

ASSESSMENT
School-based Assessment
  Investigations Folio 40%
  Skills and Applications Tasks 30%
External Assessment
  Examination 30%

FURTHER INFORMATION
Stage 1 Biology is recommended.
Can lead to a range of Science courses at University.
SACE Stage 2

BUILDING & CONSTRUCTION
Cross-disciplinary
SACE Stage 2 20 credits

COURSE DESCRIPTION
This is a practical-based course that has a wide range of activities designed to develop and improve knowledge and skills in the construction area.

COURSE CONTENT
Activities may include:
- Workplace health and safety
- Demolition and recycling
- Carpentry skills
- Basic bricklaying
- Wall construction
- Wall frame cladding and flushing

ASSESSMENT
School Assessment
- Practical 30%
- Group Activity 20%
- Folio and Discussion 20%
External Assessment
- Project 30%

BUSINESS & ENTERPRISE
Business, Enterprise and Technology
SACE Stage 2 20 credits

COURSE DESCRIPTION
Business and Enterprise focuses on learning about the theory of running and managing a successful business enterprise. This course covers business issues locally and globally. Students have the opportunity to investigate a current business issue and also to evaluate the impact and effect of business enterprises on the economy, communities and the environment.

COURSE CONTENT
Students complete the study of a core topic and two option topics.

Core Topics
- The Business Environment
- Business in Australia
- The Nature and Structure of Business
- The Business Enterprise

Option Topics
- People, Business and Work
- Business, Law and Government

ASSESSMENT
School-based Assessment
- Practical 20%
- Folio 30%
- Issues Study 20%
External Assessment
- Report 30%

FURTHER INFORMATION
Background in Stage 1 Business and Enterprise, Legal Studies, Accounting or Economics is recommended.
CHEMISTRY
Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
Chemistry is organised so that each intended student learning is related to a key idea or concept. Within the study of these chemical ideas and concepts, students develop their chemistry investigation skills through practical investigations and critical analysis of chemistry issues.

COURSE CONTENT
Elemental and Environmental chemistry
• Periodic table, nature's cycles, environmental issues

Analytical techniques
• Volumetric analysis, chromatography and atomic absorption spectroscopy

Using and controlling reactions
• Heat in reactions, electrochemistry, rates and equilibrium, metal production

Organic and biological chemistry
• Functional groups and series, proteins, triglycerides, sugars

Materials
• Polymers, silicates, cleaning agents

ASSESSMENT
School based Assessment
  Investigations Folio 40%
  Skills and Applications Tasks 30%

External Assessment
  Examination 30%

FURTHER INFORMATION
Successful completion can lead to a range of Science and Engineering courses at university. Stage 1 Chemistry is recommended.

CHILD STUDIES
Health and Physical Education
SACE Stage 2 10 or 20 credits

COURSE DESCRIPTION
This subject focuses on children’s growth and development from conception to 8 years. Students critically examine attitudes and values about parenting and caregiving and gain an understanding of the growth and development of children. Childhood is a unique, intense period of growth and development. Children's lives are affected by relationships with others; intellectual, emotional, social and physical growth; cultural, familial and socio-economic circumstances.

COURSE CONTENT
There are 5 areas of study:
• Contemporary and Future Issues
• Economic and Environmental Influences
• Political and Legal Influences
• Sociocultural Influences
• Technological Influences

ASSESSMENT
School-based Assessment
  Practical 50%
  Group Activity 20%

External Assessment
  Investigation 30%
SACE Stage 2

CLASSICAL STUDIES
Humanities and Social Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
This course looks at Greek and Roman classical worlds, including literary texts from the period. As part of this subject, students undertake an externally marked study on an area of the classical world that interests them.

COURSE CONTENT
• Roman History, 70-28 BC
• Roman Poetry
• Greek and Roman Material Culture, 7th Century BC to 2nd Century AD

ASSESSMENT
School-based Assessment
Folio 40%
Essays 30%
External Assessment
Special Study 30%

COMMUNITY STUDIES
Cross-disciplinary
SACE Stage 2 20 credits

COURSE DESCRIPTION
Students work on a project of their own choice to support their learning goals. Community Studies is designed to be flexible and fit in with other commitments. The project designed allows students to network with people in the community and develop a range of different skills.

COURSE CONTENT
Students choose one of the following areas:
• Arts
• Communication
• Food
• Health and Recreation
• Science and Technology
• Work

ASSESSMENT
School-based Assessment
Folio 70%
External Assessment
Reflection 30%

FURTHER INFORMATION
At Stage 2 Community Studies contributes to SACE completion but does not contribute to an ATAR. Students may enrol or convert from another subject to Community Studies during the first half of the year.
DESIGN – CREATIVE ARTS

Arts
SACE Stage 2 20 credits

COURSE DESCRIPTION
This subject gives students the opportunity for specialized study within the Design area. Students participate in the development and presentation of creative arts products. They analyze and evaluate products in different contexts and gain an understanding and appreciation of the ways in which creative arts and design contribute to, and shape the lives, of individuals and communities.

COURSE CONTENT
Product
Students develop and produce two design products in their chosen design discipline. A record of the creative process, including annotation and analysis, is required.

Investigation
Students investigate an area of practice of interest to them and a study of design practitioners.

Practical Skills
Students conduct a focused exploration, application and evaluation of skills appropriate to their preferred area of the creative arts.

ASSESSMENT
School Assessment
Product (two products) 50%
Investigation (two investigations) 20%

External Assessment
Practical Skills (one practical skills task) 30%
ENGLISH AS A SECOND LANGUAGE

Course Description

In this course, students develop their understanding, confidence and proficiency in the use of the English language, developing skills as critical readers, researchers, viewers, listeners, speakers and writers. It further develops the knowledge and competence gained in Stage 1 ESL.

Course Content

Students undertake tasks within the following areas of study:

Communication Study
- Oral – from speech, TV segment, advertising presentation, demonstration
- Written – from formal letter, newspaper, magazine article, pamphlet

Text Production
- Responses to fictional and non-fiction texts
- Oral – class presentation or discussion with teacher
- Written – from narrative, journal entry, essay, reflection, letter, report or description

Language Application
Students produce one oral report and one written evaluation based on an interview or a mentoring activity.

Investigation
External Assessment. Students write a written report on a contemporary issue of their choice and present an oral reflection.

Assessment

School-based Assessment
- Communication Study 20%
- Text Production 30%
- Language Application 20%

External Assessment
- Investigation 30%

Further Information

Students who have had more than 5 years of education in English in Australia or overseas, will have their written English assessed by the ESL Coordinator to confirm their eligibility for Stage 2 ESL.
ENGLISH AS A SECOND LANGUAGE STUDIES

English
SACE Stage 2

COURSE DESCRIPTION
This course develops skills in using English mainly for study purposes. As students read and view a variety of texts, they develop skills in locating key ideas as well as synthesizing and expressing them in their own words, both orally and in writing. They also develop research, oral presentation and listening skills and produce formal written texts eg essays, reports and business letters.

COURSE CONTENT

Issue Analysis
- An interactive discussion with the teacher on an issue
- A written response to the issue

Text production
- An essay in response to an issue in a text
- A piece of creative writing in response to a text

Investigation
- Written presentation on the topic of the investigation (essay or report)
- Tutorial (oral) on the topic of the investigation

ASSESSMENT

School-based Assessment
- Issue Analysis 20%
- Text Production 20%
- Investigation 30%

External Assessment
- Examination (External Assessment) 30%
  (Listening comprehension paper and written paper)

FURTHER INFORMATION

Students who have had more than 5 years of education in English in Australia or overseas, will to have their written English assessed by the ESL Coordinator to confirm their eligibility for Stage 2 ESL Studies.
ENGLISH COMMUNICATIONS

English
SACE Stage 2 10 or 20 credits

COURSE DESCRIPTION
This course is designed to expand students’ skills in reading and responding to a range of texts as well as in the crafting and production of various text-types. Students investigate and apply the conventions, techniques and language strategies used to communicate in written, spoken and multi-modal texts.

COURSE CONTENT
Text Analysis
Students demonstrate the ability to understand, analyze and effectively discuss three different text types – Prose narrative/Poetry or Song/Film. One of these is presented as an oral text.

Text Production
Students demonstrate the skills and knowledge needed to produce examples of different types of texts, such as recount, exposition and writing to entertain. One of these texts is produced as a timed piece under supervision.

Communication Study
Students undertake a study into one form of communication and discuss skills in the production of a second form of communication.

Folio
Students select and produce one form of Text Production and one example of Text Analysis to showcase their personal skills.

ASSESSMENT
School Based Assessment
Text Production 20%
Text Analysis 20%
Communication Study 30%

External Assessment
Folio 30%

ENGLISH STUDIES

English
SACE Stage 2 20 credits

COURSE DESCRIPTION
This course offers students the opportunity to extend their knowledge and understanding of literature. The course focuses on the analysis of quality texts, encouraging students to extend the scope of their reading and viewing.

COURSE CONTENT
An in-depth study of shared novels, poetry, plays and film.
The analysis of texts using critical thinking skills. Students are required to develop informed opinions and find evidence to support their point of view.
The ability to construct logical and convincing arguments.
Opportunities for students to develop and demonstrate their use language for a range of purposes.

An Individual Study that requires each student to select two appropriate texts to analyze and compare in an extended essay.

ASSESSMENT
School-based Assessment
Text responses including an Individual Study 50%
Oral and written text production 20%

External Assessment
Three hour examination 30%
FOOD & HOSPITALITY  
Health and Physical Education  
SACE Stage 2  
20 credits

COURSE DESCRIPTION
This course focuses on the impact of the food and hospitality industry on Australian society and examines the contemporary and changing nature of the industry. Students develop skills in using technology and safe work practices in the preparation, storage and handling of food and complying with current health and safety legislation. They investigate and discuss contemporary food and hospitality issues and current management practices and explore concepts such as the legal and environmental aspects of food production, trends in food and hospitality, consumer protection and the nutritional impact of healthy eating.

COURSE CONTENT
Students study topics within the following five areas of study:
• Contemporary and Future Issues
• Economic and Environmental Influences
• Political and Legal Influences
• Socio-cultural Influences
• Technological Influences.

ASSESSMENT
School-based Assessment
Practical  50%  
Group work  20%

External Assessment
Investigative Study  30%

FURNITURE CONSTRUCTION  
Business, Enterprise and Technology  
SACE Stage 2  
20 credits

COURSE DESCRIPTION
This course provides opportunity for students to demonstrate knowledge and practical skills associated with using systems, processes and resistant materials. This is a woodwork based subject where students design and construct a medium sized piece of furniture.

COURSE CONTENT
Students use a range of manufacturing techniques such as tools, machines, and/or systems to convert resistant materials into useful products.
The course develops wood machining skills, using a wide range of power tools and machines.

ASSESSMENT
School-based Assessment
Skills and Applications  20%  
Product  50%

External Assessment
Folio  30%

FURTHER INFORMATION
Students may be required to purchase some furniture construction materials as required for larger projects.
GEOGRAPHY
Humanities and Social Sciences
SACE Stage 2  20 credits

COURSE DESCRIPTION
Students develop an understanding of the spatial interrelationships between people, places and environments. Students pose and seek answers to questions of what, where, who, why, how, and when about their world. The discipline of geography deals with diverse environmental phenomena and human activities, including population, landforms, tourism, globalisation, resources, agriculture, hazards and urban planning.

COURSE CONTENT
Core Topic
Population, Resources, and Development
Students are introduced to the processes involved in population change. Students become aware of the impacts of population and consumption on the environment. Water is used as a case study.

Option Topics
Students will have the opportunity to explore 2 of the following topics:
- Urbanisation
- Tourism
- Coasts
- Environmental Hazards
- Globalisation

ASSESSMENT
School-based Assessment
Fieldwork  25%
Inquiry  20%
Folio  25%

External Assessment
Examination  30%
COURSE DESCRIPTION
This course has been developed as part of the GeoFutures program in consultation with the mining and exploration industry. The course includes industry speakers and can lead to further study of geology at university level.

COURSE CONTENT
Geology Stage 2 includes 4 topics:

The Rock Cycle
- Minerals
- The cycle of change
- Regional processes

Global Patterns and Process
- Global Patterns
- Global Processes

The History of Earth
- Uniformitarianism
- Rock relationships
- The Geological Time Scale
- Geological Mapping and remote image interpretation

Geological Hazards
- Civil Engineering
- The importance of resources
- Sustainable future

ASSESSMENT
School-based Assessment
- Investigation/Folio Tasks 40%
- Skills and Applications Tasks 30%

External Assessment
- Examination (External Assessment) 30%

FURTHER INFORMATION
Stage 2 Geology will include compulsory field trips and excursions involving walking and physical activity.
INFORMATION PROCESSING & PUBLISHING
PERSONAL AND BUSINESS DOCUMENTS
Business, Enterprise and Technology
SACE Stage 2 20 credits

COURSE DESCRIPTION
Students are introduced to designing and producing personal and business documents using Word and Excel. Skills developed are suitable for further study, personal communications and employment. Basic keyboarding skills are assumed.

COURSE CONTENT
Practical tasks completed include letters, reports, tables, financial statements, budgets, newsletters, programs and itineraries.
Social, legal and ethical issues considered may include such topics as:
  • Confidentiality
  • Retraining
  • Multiskilling
  • Workplace health, safety and welfare
  • Intellectual property
  • Security

ASSESSMENT
School-based Assessment
  Practical 40%
  Theory 30%
External Assessment
  Product and Documentation 30%

FURTHER INFORMATION
Previous software knowledge and experience is an advantage.

LEGAL STUDIES
Humanities and Social Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
This course provides students with the chance to learn about the Australian legal system from the local level to its global connections, its origins and functions. The course focuses on the Australian Constitution, examines the key concepts of parliamentary democracy and how the legal system deals with civil and criminal disputes. Students learn how laws are made and enforced and the legal issues affecting Australian citizens. Students are expected to take a critical view of the legal system as well understanding its strengths.

COURSE CONTENT
  • The Australian Legal System
  • Constitutional Government
  • Law-making
  • Justice Systems

ASSESSMENT
School Assessment
  Folio 50%
  Inquiry 20%
External Assessment
  Examination 30%

FURTHER INFORMATION
Completion of Stage 1 Legal Studies is desirable.
MATHEMATICAL APPLICATIONS
Mathematics
SACE Stage 2 10 or 20 credits

COURSE DESCRIPTION
This course covers a range of mathematics relevant to both personal and business use. Students explore, describe and explain aspects of the world around them using mathematical problem-solving skills. The use of a graphics calculator is required in this course.

COURSE CONTENT
Semester 1
• Investments and Loans
• Share Investments

Semester 2
• Statistics and Working with Data
• Mathematics and Small Business

ASSESSMENT
School-based Assessment
   Skills and Applications Tasks 30%
   Folio tasks 40%
External Assessment
   Examinations 30%

FURTHER INFORMATION
Casio calculators are available for hire from the Library for a refundable fee.

MATHEMATICAL METHODS
Mathematics
SACE Stage 2 20 credits

COURSE DESCRIPTION
This course contains topics from Statistics, Calculus and Matrices and Systems of Linear Equations.

COURSE CONTENT
• Statistics
• Normal Distribution
• Central Limit Theorem
• Binomial Distribution
• Confidence Intervals
• Sampling distributions
• Modelling
• Linear models
• Exponential and power models
• Modelling from data
• Calculus
• Rates of change
• Rules, finding derivatives
• Differentiation rules
• Applications
• Linear Programming
• Properties of regression models
• Linear Programming
• Matrices
• Addition and subtraction
• Matrix multiplication
• Powers
• Networks, Dominance and Transition
  Matrices

ASSESSMENT
School-based Assessment
   Skills and application tasks 45%
   Folio tasks 25%
External Examination 30%
COURSE DESCRIPTION
This course contains topics from Trigonometry Preliminaries, Polynomials and Complex Numbers and Vectors and Geometry.

COURSE CONTENT
- Trigonometry Preliminaries
- Trig graphs
- Properties of trig graphs
- Identities
- Complex Numbers
- Complex number operations
- Inductive arguments
- Polar Form and Argand diagrams
- DeMoivre's theorem
- Polynomials
- Operations
- Fundamental Theorem of Algebra
- Quadratic Iterations
- Vectors and Geometry
- 3-D vectors
- Lines and Planes
- Geometry of circles and tangents
- Vector proofs
- Calculus
- Functions of time
- Uniformly and non-uniformly varying quantities
- Related rates, velocity and tangents
- Derivatives of circular functions
- Calculus of trig functions
- Differential equations including separable differential equations
- Systems of differential equations and cyclic behaviour

ASSESSMENT
School-based Assessment
Skills and application tasks 45%
Folio tasks 25%
External Examination 30%

FURTHER INFORMATION
Students must also do Stage 2 Mathematical Studies.
MATHEMATICAL STUDIES
Mathematics
SACE Stage 2  20 credits

COURSE DESCRIPTION
This course contains topics from Systems of Equations, Matrices, Introductory Calculus, Differential Calculus, Applications of Calculus, Exponential and Integral Calculus and Statistics.

COURSE CONTENT
Systems of Equations
Solution of systems of equations, matrices
Calculus
Introductory Calculus, modelling, rates of change, limits, derivative function, simple rules and chain rule, product and quotient rule, tangents and normals.
Applications of Calculus
Rates of change, curve properties, optimisation, exponential and logarithmic functions, integration.
Statistics (Normal Distribution)
Normal distribution, sample means, hypothesis testing, confidence intervals.
Statistics (Binomial Distribution)
Pascal's Triangle, probabilities, normal approximation, hypothesis testing, confidence intervals.

ASSESSMENT
School-based Assessment
- Skills and application tasks 45%
- Folio tasks 25%
- External Examination 30%

METAL TECHNOLOGIES
Business, Enterprise and Technology
SACE Stage 2  20 credits

COURSE DESCRIPTION
Metal Technologies includes a broad range of metal-based processes that involve the use of workshop tools and equipment to research, plan, create and develop metal-based products. Students use a range of hand tools and workshop equipment including drilling machines, metal turning lathes, metal folding machines and welding processes to manufacture a 'benchtop barbeque'. Students also research the impacts of technology on people, society and the environment.

COURSE CONTENT
The practical aspects of the course are underpinned with theoretical knowledge about metal working processes and materials including various steel, stainless steel and plastic materials sections, such as plate, flat and round bar stock. There is a strong emphasis on industrial and workshop safety and a focus on employability skills.

ASSESSMENT
School-based Assessment
- Skills and Applications 20%
- Product 50%
External Assessment
- Folio 30%
MODERN HISTORY
Humanities and Social Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
In this subject, students investigate people, places, events, and ideas in the history of modern societies. They learn to apply the skills of historical inquiry, including critical analysis. They construct reasoned historical arguments based on a critical understanding of evidence from sources, reflect on and evaluate the impacts of individuals and events.

COURSE CONTENT
Revolutions and Turmoil
Social and Political Upheavals since c. 1500 with a focus on the Russian Revolution.

An Age of Catastrophes
Depression, Dictators, and the Second World War, c. 1929–45, with a focus on Adolf Hitler and Nazi Germany.

ASSESSMENT
School-based Assessment
- Folio (essays, source analyses) 50%
- Individual essay 20%
External Assessment
- Exam 30%

NUTRITION
Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
Nutrition students explore up-to-date scientific information on the role of nutrients in the body as well as on social and environmental issues related to nutrition.

COURSE CONTENT
Core Topics
- The Fundamentals of Human Nutrition
- Diet, Lifestyle and Health
- Food Selection and Dietary Evaluation
- Food, Nutrition and the Consumer

Option Topics
One topic from:
- Global Nutrition and Ecological Sustainability
or
- Global Hunger

ASSESSMENT
School-based Assessment
- Investigations Folio 40%
- Skills and Applications Tasks 30%
External Assessment
- Examination 30%
PHYSICAL EDUCATION
Health and Physical Education
SACE Stage 2 20 credits

COURSE DESCRIPTION
This course involves undertaking three sports practical activities, as well as studying the three topics of exercise physiology, skill acquisition and the biomechanics of sports performance.

COURSE CONTENT
Practical Topics
- Basketball, volleyball, and badminton (or preferred alternative)
- Optional negotiated activity for elite-level sports student

Folio Topics
- Energy systems and fitness components in sport
- Training principles and methods to improve performance
- How we learn sports skills
- The biomechanics of sports performance
- Investigation of a contemporary sports issue

ASSESSMENT
School-based Assessment
- Practical activities 50%
- Folio tasks 20%

External Assessment
- Examination 30%

FURTHER INFORMATION
Previous experience with some of the above practical sports would be beneficial.

PHYSICS
Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
Stage 2 Physics is organised into four sections, as shown below. Each section is divided into four topics. Each topic includes one application, which is an integral part of study in this subject.

COURSE CONTENT
- Motion in Two Dimensions
- Electricity and Magnetism
- Light and Matter
- Atoms and Nuclei

ASSESSMENT
School-based Assessment
- Investigations Folio 40%
- Skills and Applications Tasks 30%

External Assessment
- Examination 30%

FURTHER INFORMATION
Successful completion of this course can lead to a range of Science and Engineering courses at university.
PSYCHOLOGY
Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
This course studies the concepts of Psychology from the Biological, Personal, Cognitive and Social perspectives. The course looks at how psychology works as a profession, ethics and research structures and general theories that are used to explain our behaviour. Students need to understand that psychological evidence, theories, and principles address four levels of explanation of human behaviour — the biological, basic processes, person, and sociocultural levels.

COURSE CONTENT
• Introduction to Psychology - a required background in the principles of research, the profession and ethics
• Social Influence
• Learning
• Personality
• States of Awareness
• Healthy Minds

ASSESSMENT
School-based Assessment
  Skills and applications tasks 40%
  Folio - 2 Research investigations 30%
External Assessment
  Examination 30%

RESEARCH PROJECT
Cross-disciplinary
SACE Stage 2 10 credits

COURSE DESCRIPTION
Students choose and research a topic based on an area of interest.

In the Research Project students choose a research topic that is based on an area of interest, and one or more capabilities (Literacy, Numeracy, Information and Communication Technology Capability, Critical and Creative Thinking, Personal and Social Capability, Ethical Understanding, and Intercultural Understanding).

Students use the research framework as a guide to developing their research and applying knowledge and skills specific to their research topic. They create an outcome, evaluate the research processes used and reflect on the relevance of the chosen capability (or capabilities) to themselves and their research project.

ASSESSMENT
School-based Assessment
  Folio 30%
  Research outcome 40%
External Assessment
  Evaluation 30%

FURTHER INFORMATION
The Research Project is a compulsory subject of the SACE.

Students must complete the 10-credit Stage 2 Research Project with a C grade or better.
SCIENTIFIC STUDIES
HEALTH SCIENCE
Sciences
SACE Stage 2 20 credits

COURSE DESCRIPTION
Health Science is designed for students interested in pursuing careers in health care and nursing. The course allows students to improve their general scientific knowledge, skills and writing techniques in a health context. There are opportunities to hear from professionals working in the Health Science field and information is provided to support students pursuing tertiary study.

COURSE CONTENT
Health Care in Australia
- Issues in Health Care
- Indigenous Health

Human Physiology & Anatomy
- Body systems
- The immune system
- Human anatomy

Health Treatment & Prevention
- Injuries, allergies and first aid
- Stress and mental health
- Disease and medication
- Fitness and Nutrition
- Health safety and hygiene

Health Care Professions & Pathways
- Nursing pathways
- Heath Care pathways
- Preparing for the workforce

ASSESSMENT

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SACE Stage 2

**SOCIETY & CULTURE**
*Humanities and Social Sciences*

SACE Stage 2 20 credits

**COURSE DESCRIPTION**
Students study the interactions of people, societies, cultures and environments. They learn about the ways in which societies constantly change and are affected by social, political, historical, environmental, economic and cultural factors. Through course activities students develop social inquiry skills and are expected to participate in group activities and primary research to develop these skills.

**COURSE CONTENT**
At least one topic from each of the following three will be studied. Activities and content within each of these topics is flexible and will be negotiated with the class to ensure relevance and interest.

*Culture*
- Cultural Diversity
- Youth Culture

*Contemporary Challenges*
- Social Ethics
- People and the Environment

*Global Issues*
- A Question of Rights
- People and Power

**ASSESSMENT**
School-based Assessment
- Folio 50%
- Interaction 20%

External Assessment
- Investigation 30%

**TEXTILES & WORK**
*Cross-disciplinary*

SACE Stage 2 20 credits

**COURSE DESCRIPTION**
Students use their previous knowledge and skills using sewing machines, overlockers and embroidery machines to undertake community projects related to work that uses textiles.

**COURSE CONTENT**
Students may consider setting up their own business, making and repairing clothing or assisting charities and government agencies in the provision of textile based items. The course also involves learning about health and safety with home businesses, teaching others in the community and the financial and legal requirements of setting up your own business. Students maintain a folio of their work throughout the course and make a presentation of their work.

**ASSESSMENT**
School-based Assessment
- Contract of Work
- Folio of Work – structured record of evidence
- Reflection on contract completion
- Presentation of community project to an audience

**EXTERNAL ASSESSMENT**
Folio is externally moderated.

**FURTHER INFORMATION**
Experience in operating sewing machines, overlockers and embroidery machines is desirable.
TEXTILES
Cross-disciplinary
SACE Stage 2  10 or 20 credits

COURSE DESCRIPTION
This course is designed for students who have an interest in design and construction using textiles. The work involves the community outside of the school and is presented to a community audience for feedback. The course looks at the characteristics of textiles and their place in the community.

COURSE CONTENT
Students:
• Develop their skills and knowledge working with textiles
• Use sewing machines and overlockers
• Use Computer Embroidery machines
• Develop and use design in embroidery
• Make garments and accessories
• Make items for community groups eg kindergartens, childcare centres, volunteer organisations
• Use woven and stretch textiles in a variety of ways
• Incorporate different forms of textiles
• Use varied techniques including knitting and crochet
• Learn how to design for purpose
• Examine the functionality of textiles

ASSESSMENT
School-based Assessment
  Contract of Work
  Folio of Work - structured record of evidence
  Reflection on contract completion
  Presentation of community project to an audience
External Assessment
  Folio is externally moderated

TOURISM
Humanities and Social Sciences
SACE Stage 2  20 credits

COURSE DESCRIPTION
This course explores the operations and structures of the tourism industry, sustainable tourism and the traveller’s perceptions and interactions with the host community.

COURSE CONTENT
Three topics selected from:
• Applications of technology in tourism
• The economics of tourism
• Establishing a tourism venture
• Indigenous people and tourism
• Management issues of local area tourism
• The impacts of tourism
• Marketing tourism
• Responsible travel
• Special interest tourism
• The role of governments and organisations in tourism
• Tourism industry skills
• Negotiated topic

ASSESSMENT
School-based Assessment
  Practical  25%
  Folio  20%
  Investigative Study  25%
External Assessment
  Examination  30%
VIDEO & PHOTOGRAPHY
Business, Enterprise and Technology
SACE Stage 2      20 credits

Students in this course can choose to complete learning and assessment in either Video Production or Photography.

COURSE DESCRIPTION
This course teaches students hardware, software and planning skills in video production or photography.

COURSE CONTENT
In Video Production students develop skills and knowledge in project planning and management, camera handling, lighting, media capture, shot selection, editing and post-production.

In Photography students develop skills and knowledge in: camera handling, composition, light, file management and post processing using Camera Raw and Photoshop.

In both Video and Photography, students undertake skills tasks, and create two productions. One production is in response to a provided brief the other in response to their own brief.

ASSESSMENT
School-based Assessment
  Skills and Applications  20%
  Product Design and Development  50%

External Assessment
  Folio  30%

WOMEN’S STUDIES
Humanities and Social Sciences
SACE Stage 2      20 credits

COURSE DESCRIPTION
Students look at the world from the perspectives of women. Students examine the construction of gender and how being a woman or a man may influence an individual’s experiences and expectations. They explore the diversity of women’s experiences and their relationships to others. They also study gender representation in cultural texts.

COURSE CONTENT
- Representations of Women in Cultural Texts
- Health and Well-being
- Women’s Struggles, Achievements and Empowerment
- Women, Culture and Society
- Negotiated Issue

ASSESSMENT
School-based Assessment
  Text Analysis  20%
  Essay  20%
  Folio  30%

External Assessment
  Issues Analysis  30%

FURTHER INFORMATION
Women’s Studies is available to female and male students.
The Skills Centre

The Skills Centre is a centre of excellence for vocational training courses.

There are nationally recognised qualifications delivered in a range of industry areas. Some of these courses are even offered in flexible mode, utilising the Thebarton Online Moodle site to allow enrolments from near and far.

VET training can be used for SACE completion. Every 35 nominal hours (shown in brackets next to the units of competence for each certificate) is equal to 5 SACE credits. Check for SACE level and the latest nominal hours at http://www.sace.sa.edu.au/subjects/recognised-learning/recognition-register/vet-recognition-register.

Thebarton is a Registered Training Organisation (RTO), accredited to deliver nationally recognised training in the areas of Business, Business Administration, Community Services 1, Information Technology and English Proficiency.

Other nationally recognised training in Construction, Community Services 2 and Engineering, Metal Trades and Plumbing are accredited by the Master Builders Association and TafeSA respectively.
## The Skills Centre

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*subjects are eligible for the government funded Skills for All subsidies (enrolment conditions apply)

** competencies from selected training packages
CERTIFICATE II BUSINESS
BSB20112
50 Stage 1 credits
Course Length 10 weeks

COURSE DESCRIPTION
In this course students work in an office environment called a Simulated Business. This prepares the learner to work in jobs such as a clerical assistant, receptionist, office administrator or personal assistant. Activities are hands-on with development of skills and knowledge reinforced through written and oral presentations. Training in word processing and spreadsheet skills are acquired in dedicated training sessions (subjects).

Software used includes:
- MS Office – Word, Excel, Outlook, Publisher
- MYOB (Mind Your Own Business)

COURSE CONTENT
The subjects studied include:

Simulated Business – Unique Simulated Business
A simulated business run by students with help from the teacher and a real business partner. It offers a training environment to enhance the development of business, technical and interpersonal skills. The products and services are traded as in a real business although no actual transfer of money or goods takes place. Students issue invoices, keep financial records, pay employees, transfer monies and develop skills in decision-making, group dynamics and working with others.

Word Processing Intro
Correct keyboard techniques are developed including proofreading, file management and document layout.

Spreadsheets
An introduction to using spreadsheets for personal and business applications is provided. Students create and use spreadsheets, use simple formulae, absolute and relative cell references, built in functions, create charts, customize basic settings, print and save.

continued next page
Business

CERTIFICATE II BUSINESS
BSB20112
50 Stage 1 credits
Course Length 10 weeks

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UNITS OF COMPETENCE
(Nominal hours shown in brackets)

Core
BSBWHS201A Contribute to the health and safety of self and others (20)

Electives
BSBCUS201B Deliver a service to customers (40)
BSBINM201A Process and maintain workplace information (30)
BSBINM202A Handle mail (15)
BSBCMM201A Communicate in the workplace (40)
BSBWOR202A Organise and complete daily work activities (20)
BSBWOR203B Work effectively with others (15)
BSBWOR204A Use business technology (20)
ICAICT203A Operate application software packages (60)
BSBITU102A Develop keyboard skills (40)
BSBITU101A Operate a personal computer (20)
BSBITU201A Produce simple work processed documents (60)
BSBITU202A Create and use spreadsheets (30)
BSBIND201A Work effectively in a business environment (30)

PATHWAY
This course is a pathway to Certificate III in Business Administration.
CERTIFICATE III BUSINESS ADMINISTRATION
BSB30412
70 Stage 2 credits
Course Length 10 weeks

COURSE DESCRIPTION
In this course students work in an office environment called a Simulated Business. This provides preparation for work in jobs such as a clerical assistant, receptionist, office administrator or personal assistant. Activities are hands-on with development of skills and knowledge reinforced through written and oral presentations. Dedicated training in Advanced Word Processing, Desktop Publishing, PowerPoint and Database skills are acquired in dedicated training sessions (subjects).

Software used includes:
• MS Office – Word, Excel, Outlook, Publisher, Access
• Adobe InDesign CS6
• MYOB (Mind Your Own Business)

COURSE CONTENT
The subjects studied include:

Simulated Business – Unique Simulated Business
A simulated business run by students with help from the teacher and a real business partner. It offers a training environment to enhance the development of business, technical and interpersonal skills. The products and services are traded as in a real business although no actual transfer of money or goods takes place. Students process payroll, organise schedules, design and produce business documents and develop skills in decision-making, group dynamics and working with others.

Word Processing Advanced
Keyboard speed and accuracy is further developed. Documents are keyed, retrieved, edited, formatted, saved and printed. File management including storage and location of data and log-on procedures is included. Documentation includes displays, tables, mail merges and reports using multi-level numbering.

Databases
An introduction to using the database application, Microsoft Access, to design, create and set table attributes, customize basic settings, retrieve information using queries, create reports for printing and create forms for data entry.

Desktop Publishing
Students use Desktop Publishing software (Adobe InDesign CS6) to apply the principles of design and layout in completing tasks including brochures, posters, leaflets, newsletters, letterheads and business cards.

PowerPoint
Using Microsoft PowerPoint students learn to create a slideshow; add, select, copy, delete and move text images and graphics; customize basic settings; sequence a slideshow; use various effects such as animation, transition and on screen navigation tools, save and print the presentation in various forms.

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CERTIFICATE III BUSINESS ADMINISTRATION
BSB30412
70 Stage 2 credits
Course Length 10 weeks

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UNITS OF COMPETENCE
(Nominal hours shown in brackets)

Core
BSBITU307A Develop keyboarding speed and accuracy (50)
BSBWHS201A Contribute to health and safety of self and others (20)

Administration
BSBITU302B Create electronic presentations (20)
BSBITU301A Produce spreadsheets (35)
BSBITU303A Design and produce text documents (90)
BSBITU306A Design and produce business documents (80)
BSBITU309A Produce desktop published documents (50)
BSBADM307B Organise schedules (15)
BSBFIA302A Process payroll (30)
BSBWRT301A Write simple documents (30)

Electives
BSBITU203A Communicate electronically (20)
BSBITU301A Create and use databases (30)
BSBCUS301B Deliver and monitor a service to customers (35)
BSBINM301A Organise workplace information (30)

PATHWAY
This course is a pathway to higher business courses at TAFE.
CERTIFICATE I WORK PREPARATION (COMMUNITY SERVICES)

CHC10108
20 Stage 1 credits
Course Length 2 semesters

PREFERRED BACKGROUND
This course is suitable for students who are exiting from the New Arrivals Program and/or studying English Proficiency Certificate II, Core Skills or ESL Pathways.

COURSE DESCRIPTION
This course covers topics suitable for students who might wish to follow the Community Services Pathway but who do not yet have the language skills to enter the pathway at Certificate II Community Services. It is suitable for those students who want to improve their communication skills.

COURSE CONTENT
Students do practical projects, group work and case studies. This course is preparation for Certificate II and higher Certificates in areas such as, community work, youth work, child care, aged care and disability services.

UNITS OF COMPETENCE
(Nominal hours shown in brackets)
BSBCMM101A  Apply basic communication skills (40)
CHCCS211B  Prepare for work in the community sector (55)
HLTWHS200A  Participate in WHS processes (20)
Additional unit to be advised (30)

PATHWAY
This course is a pathway to Certificate II Community Services.
CERTIFICATE II COMMUNITY SERVICES
CHC20112
30 Stage 1 credits and 70 Stage 2 credits
Course Length 2 semesters

PREFERRED BACKGROUND
Literacy and numeracy suitable for Stage 2 subjects.

COURSE DESCRIPTION
This nationally accredited course is designed for people who enjoy working with others in a caregiver role in areas such as child care, disability care, aged care, youth work, primary health care, nursing, community work or dental assistant.

COURSE CONTENT
Students complete the following Stage 2 subjects.

Human Development
This course is designed to give students an understanding of all aspects of human development with guest speakers, group tasks, discussions, community visits and independent research.
Topics studied include:
• Human life span (infancy, childhood, adolescence and ageing)
• People with disabilities
• Lifelong Learning

Assessment (20 SACE credits) consists of:
School Assessment
  Practical Tasks 30%
  Group Activity 20%
  Folio and Discussion 20%
External Assessment
  Individual Project 30%

Workplace Practices
The course includes class time, community visits, guest speakers and investigations, as well as work experience for approximately 60 hours.
Topics include:
• Work in Australian society (paid and unpaid)
• Industrial relations, including Work Health and Safety (WHS); working conditions; the role of unions
• Issues in the community services industry
• Finding employment; career planning.

Assessment (20 SACE credits) consists of:
School-based Assessment
  Folio 25%
  Performance 25%
  Reflection 20%

External Assessment
  Investigative Study 30%
Workplace Documents
This course aims to develop skills and confidence in using a range of information and communication technologies with a community services and work focus. There is an emphasis on technology, independent and group work. It is preferable if students are familiar with basic computer operations.

Software used:
- Microsoft Word - letter of application, report display and layout
- Microsoft Powerpoint - group presentation task
- Microsoft Publisher - three fold brochure

Assessment (20 SACE credits) consists of:
School Assessment
Practical Tasks 30%
Group Task 20%
Portfolio and Discussion 20%

External Assessment
Individual Project 30%

Research Project
Students choose a topic of interest linked to their chosen sector in the community services pathway to research. Students learn and apply research processes and the knowledge and skills specific to the research topic. A record of research is maintained and an evaluation completed.

Assessment (10 SACE credits) consists of:
School-based Assessment
Folio 30%
Research Outcome 40%

External Assessment
Evaluation 30%

Communication Studies (VET)
Students study communication skills for personal and workplace use. Students develop skills in conflict resolution and learn how to work appropriately in a team setting. Opportunities for applying knowledge and skills are provided by undertaking practical tasks, both within the College and in the wider community.

VET Competencies
Competencies from Certificate II are delivered in the following subjects:
- Workplace Practices
- Workplace Documents
- Research Project
- Communications Studies (VET)

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CERTIFICATE II COMMUNITY SERVICES
CHC20112
30 Stage 1 credits and 70 Stage 2 credits
Course Length 2 semesters

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UNITS OF COMPETENCE
(Nominal hours shown in brackets)

Core
CHCCS211B Prepare for work in the community sector (55)
CHCCOM201C Communicate with people accessing the services of the organisation (15)
CHCORG201C Follow policies, procedures and programs of the organisation (15)
CHCORG202C Work with others (15)
HLTWHS200A Participate in WHS processes (20)

Electives
CHCADMIN201D Undertake basic administrative duties (15)
CHCGROUP201C Support the activities of existing groups (20)
CHCGROUP302D Support group activities (20)
CHCNET301D Participate in networks (20)
CHCCD307D Support community resources (30)
HLTAID003 Provide first aid (18)

FURTHER INFORMATION
Students must undertake work experience as part of this course. To complete the full certificate all units need to be successfully completed.

PATHWAY
This course is a pathway to further study at Certificate III or higher in more specialized areas of Community Services.
CERTIFICATE I GENERAL CONSTRUCTION
Construction Focus
CPC10111
40 Stage 1 credits
Course Length 2 semesters

COURSE DESCRIPTION
In this practical-based course students participate in a wide range of activities designed to develop and improve knowledge and skills in many building and construction trade areas.

Students become familiar with a wide range of construction tools and equipment.

Students work in a simulated work environment as well as participate in work placements on building sites.

COURSE CONTENT
Practical activities include:
• Safety on the worksite
• Workplace communication
• Demolition, recycling and reuse
• Introduction to carpentry skills
• Basic bricklaying
• Timber-framed wall construction
• Wall frame cladding, flushing and painting
• Basic roofing
• Cubby house construction

White Card training is undertaken through Master Builders Association, which will give students the authority to access building sites as needed.

It is recommended that Trade Maths and Trade Communications be studied in conjunction with this course.

Construction Industry Training Board training booklets are completed to demonstrate knowledge and understanding of the theory behind the practical activities. This requires some work at home outside of the normal College time allocation.

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CERTIFICATE I GENERAL CONSTRUCTION
Construction Focus
CPC10111
40 Stage 1 credits
Course Length 2 semesters

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UNITS OF COMPETENCE
(Nominal hours shown in brackets)

Core Units
- CPCCCM1012A Work effectively and sustainably in the construction industry (20)
- CPCCCM1013A Plan and organize work (20)
- CPCCCM1014A Conduct workplace communication (20)
- CPCCCM2001A Read and interpret plans and specifications (36)
- CPCCCM2005B Use construction tools and equipment (96)
- CPCCVE10011A Undertake a basic construction project (16)
- CPCCOHS1001A Work safely in the construction industry (6)
- CPCCOHS2001A Apply WHS requirements, policies and procedures in the construction industry (20)

Elective Units
- CPCCCM1015A Carry out measurements and calculations (20)
- CPCCCM2006B Apply basic levelling procedures (8)
- CPCCCM2004A Handle construction materials (20)

FURTHER INFORMATION
There is a strong emphasis on safety and students are expected to wear appropriate clothing and footwear at all times. On work placement, students are required to provide and wear steel capped safety boots.

PATHWAY
Apprenticeship in a related industry and completion of a Trade Certificate III in domestic, commercial and construction industries.
CERTIFICATE I GENERAL CONSTRUCTION – PLUMBING FOCUS
CPC10111
40 Stage 1 credits
Course Length 2 semesters

COURSE DESCRIPTION
This course provides excellent insight and background for students considering a trade-based career with a particular emphasis on plumbing trades. Thebarton has modern well equipped workshops that allow training to be delivered in a simulated workplace environment. Apart from the practical and theoretical subjects, students also complete 20 days work placement in an appropriate workplace setting.

COURSE CONTENT
Students undertake a range of practical workshop-based activities designed to complement the theoretical and underpinning knowledge aspects of the course. Students also gain familiarity with a range of commonly used hand and power tools, particularly those used in the plumbing trades. Activities undertaken include:
- Oxy-acetylene welding processes for the heating, annealing and silver brazing of copper tubing
- Sheet metal work associated with roofing and roof plumbing
- Basic carpentry and timber framing

There is a strong emphasis on a range of employability skills including attendance, punctuality, teamwork, initiative and positive attitudes. Students also need to comply with strict WHS guidelines.

UNITS OF COMPETENCE
(Nominal hours shown in brackets)
CPCCOHS1001A Work safely in the construction industry (White Card) (6)
CPCCCM1013A Plan and organise work (20)
CPCCCM1014A Conduct workplace communication (20)
CPCCCM1015A Carry out measurements and calculations (20)
CPCCVE1011A Undertake a basic construction project (16)
CPCCCM2001A Read and interpret plans and specifications (36)
CPCCCM2004A Handle construction materials (20)
CPCCCM2005B Use construction tools and equipment (96)
CPCCCM2006B Apply basic levelling procedures (8)
CPCCCM1011A Undertake basic estimation and costing (16)
CPCCCM1012A Work effectively and sustainably in the construction industry (20)

PATHWAY
Certificate III Trade level qualification in Plumbing. Diverse career options include gas fitting, fire sprinkler installation, domestic or commercial roof plumbing, air conditioning, pipe fitting and drainage.
CERTIFICATE II INFORMATION, DIGITAL MEDIA & TECHNOLOGY (ONLINE)
ICA20111
60 Stage 1 credits

Course Length Full year (equivalent to 2 subjects per semester)

COURSE DESCRIPTION
This introductory course provides fundamental skills and knowledge for individuals to safely perform foundation digital literacy tasks using a personal computer and a range of software applications and digital devices.

This is an online course, however there are some components which require session attendance. Students wishing to study offsite require daily access to an internet connected computer with a Browser, MS Office and an email account they can access from home.

Students require daily access to:
- An internet enabled computer with an Internet Browser and MS Office
- Software suitable for photo, video and sound editing
- An email account

(Students are able to access this equipment at the College if not available at home)

COURSE CONTENT
Students learn to use social media tools like Facebook, Google+, Flickr, Blogger and YouTube to collaborate with others and explore their own interests. The skills required to prepare and edit photo images, web video and podcasts to enable sharing via social media tools is a focus of this course. The skills required to use Microsoft Office applications such as Word, Excel and Outlook to prepare format and share documents for a variety of business needs are also developed.

Basic computer maintenance skills including managing the operating system, filing system and connecting peripherals are also developed as well as those required for problem solving IT issues and configuring software applications such as virus protection and productivity software.

Students also acquire the skills required to work effectively in an IT environment and develop knowledge and understanding of environmentally sustainable work practices and workplace health and safety processes.
## UNITS OF COMPETENCE
(Nominal hours shown in brackets)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICAWEB201A</td>
<td>Use social media tools for collaboration and engagement</td>
<td>(20)</td>
</tr>
<tr>
<td>ICAICT204A</td>
<td>Operate a digital media technology package</td>
<td>(40)</td>
</tr>
<tr>
<td>CUFDIG303A</td>
<td>Produce and prepare photo images</td>
<td>(20)</td>
</tr>
<tr>
<td>ICAICT203A</td>
<td>Operate application software packages</td>
<td>(60)</td>
</tr>
<tr>
<td>BSBSUS201A</td>
<td>Participate in environmentally sustainable work practices</td>
<td>(20)</td>
</tr>
<tr>
<td>ICAICT202A</td>
<td>Work and communicate effectively in an IT environment</td>
<td>(40)</td>
</tr>
<tr>
<td>BSBWHS201A</td>
<td>Contribute to health and safety of self and others</td>
<td>(20)</td>
</tr>
<tr>
<td>ICASAS202A</td>
<td>Apply problem solving techniques to routine IT malfunctions</td>
<td>(20)</td>
</tr>
<tr>
<td>ICASAS203A</td>
<td>Connect hardware peripherals</td>
<td>(20)</td>
</tr>
<tr>
<td>ICASAS205A</td>
<td>Maintain IT system integrity</td>
<td>(20)</td>
</tr>
<tr>
<td>ICAICT201A</td>
<td>Use computer operating systems and hardware</td>
<td>(60)</td>
</tr>
<tr>
<td>ICAICT206A</td>
<td>Install software applications</td>
<td>(20)</td>
</tr>
<tr>
<td>CUFSOU204A</td>
<td>Perform basic sound editing</td>
<td>(30)</td>
</tr>
<tr>
<td>ICAICT308A</td>
<td>Use advanced features of computer applications</td>
<td>(40)</td>
</tr>
</tbody>
</table>

## PATHWAY
Further study in Information Technology (Certificate III or higher).
CERTIFICATE III INFORMATION, DIGITAL MEDIA & TECHNOLOGY
ICA30111
5 Stage 1 credits and 60 Stage 2 credits
Course Length 1 semester

PREFERRED BACKGROUND
Successful completion of Certificate II Information Technology or equivalent.

COURSE DESCRIPTION
Entry to this course requires demonstrated vocational experience using a range of information technologies, completion of Certificate II or its equivalent, or recommendation for the course by a staff member.

This qualification provides skills and knowledge for students to be competent in a wide range of general information and communications technology (ICT) technical functions and to achieve a degree of self-sufficiency as an advanced ICT user. The competencies include techniques in installing and configuring hardware and operating systems, supporting users by troubleshooting software, hardware and peripheral faults, producing digital images for the web and building and maintaining websites. A person with these competencies would have skills in working effectively within an IT environment and a knowledge of environmentally sustainable work practices, workplace health and safety processes and copyright and privacy concerns.

COURSE CONTENT
There are four subjects in this course. Students complete one of the elective subjects. Students may elect to complete this course online.

Core
Core topics include workplace health and safety, sustainability, security and copyright and documentation required by users.

Install & Configure
In this subject, the focus is on computer hardware, optimising operating systems and supporting users. Networking or Web Technologies are offered in alternate semesters.

Multimedia VET (Elective)
In this subject students gain an understanding of Web Technologies including maintenance, review, development and implementation of web sites.

Networking (Elective)
In this subject students learn to manage users, groups and permissions on a network. They also learn to resolve network problems and create and manage a small office/home network.
## UNITS OF COMPETENCE
(Nominal hours shown in brackets)

### Core
- **BSBWHS304A**  Participate effectively in WHS communication and consultative processes (20)
- **BSBSUS301A**  Implement and monitor environmentally sustainable work practices (40)
- **ICAICT202A**  Work and communicate effectively in an IT environment (40)
- **ICAICT418A**  Contribute to copyright, ethics and privacy in an IT environment (40)
- **ICAICT301A**  Create user documentation (20)
- **ICAWEB201A**  Use social media tools for collaboration and engagement (20)

### Install and Configure
- **ICAICT302A**  Install and optimize operating system software (20)
- **ICASAS301A**  Run standard diagnostic tests (20)
- **ICAICT303A**  Connect internal hardware components (20)
- **ICASAS303A**  Care for computer hardware (20)
- **ICASAS305A**  Provide IT advice to clients (40)
- **ICASAS306A**  Maintain equipment and software (20)

### Multimedia VET
- **ICAWEB301A**  Create a simple markup language document (30)
- **ICAWEB302A**  Build simple websites using commercial programs (40)
- **ICAWEB303A**  Produce digital images for the web (30)
- **CUFDIG304A**  Create visual design components (90)

### Networking
- **ICANWK301A**  Provide network systems administration (60)
- **ICANWK302A**  Identify and resolve network problems (50)
- **ICANWK304A**  Administer network peripherals (20)
- **ICANWK305A**  Install and manage network protocols (40)
- **ICASAS307A**  Install, configure and secure a small office home office (50)

### FURTHER INFORMATION
Students are expected to do reading, preparation for class and written assessment work online through on the College moodle.

### PATHWAY
Further study at Certificate IV Information Technology.
CERTIFICATE IV IN INFORMATION TECHNOLOGY
ICA40111
130 Stage 2 credits
Course Length 2 semesters

PREFERRED BACKGROUND
Completion of a Certificate III in Information Technology is desirable.

COURSE DESCRIPTION
In this course, students participate in a wide range of activities designed to develop and improve skills and knowledge in the IT industry. Topics covered include game design, app creation, programming and computer support. Students also complete their Stage 2 Research Project during the course. This is a full time course that provides for Stage 2 completion and direct entry tertiary pathways.

COURSE CONTENT
Semester 1
- Systems Maintenance
- Design
- Graphical User Interfaces
- Programming Skills

Semester 2
- Working in 3D
- Game Design
- Game Development (includes Stage 2 Research Project)
- Mobile App Development

UNITS OF COMPETENCE
(Nominal hours are shown in brackets)

Core Units
BSBWHS304A Participate effectively in WHS communication and consultative processes (20)
BSBSUS301A Implement and monitor environmentally sustainable work practices (40)
ICAICT202A Work and communicate effectively in an IT environment (40)
ICAICT401A Determine and confirm client business requirements (40)
ICAICT418A Contribute to copyright, ethics and privacy in an IT environment (40)
Elective Units
Programming
ICAPRG407A  Write scripts for software applications  (40)
ICAPRG427A  Use XML effectively  (50)
ICAPRG406A  Apply introductory object-oriented language skills  (60)
ICAICT420A  Develop client user interface  (40)
ICAPRG409A  Develop mobile applications  (50)
IT Support
ICASAS414A  Evaluate system status  (20)
ICASAS425A  Configure and troubleshoot operating systems software  (40)
ICAICT421A  Connect, maintain and configure hardware components  (40)
ICASAS426A  Locate and troubleshoot IT equipment, system and software faults  (40)
Digital Games
ICAGAM412A  Design interactive media  (40)
ICAGAM408A  Use 3-D animation interface and toolsets  (40)
ICAGAM410A  Develop 3-D components for interactive games  (50)
ICAGAM402A  Identify and apply principles of games design and game playing  (40)
ICAGAM405A  Write story and content for digital games  (30)
ICAGAM401A  Produce an interactive game  (60)
Digital Media Technologies
ICADMT401A  Create visual design components for digital media  (40)
Web Design and Development
ICAWEB414A  Design simple web page layouts  (50)
Project Management
ICAPMG401A  Support small scale IT projects  (60)
PATHWAY
Successful completion of this course allows students to apply for IT undergraduate courses at university or Diploma courses at TAFE.
CERTIFICATE I METAL TRADE SKILLS
Certificate I in Engineering (Mechanical and Fabrication)
MEM10105
Up to 40 Stage 1 credits
Course Length 2 semesters

COURSE DESCRIPTION
This course has been designed for students wishing to pursue a career in the Metals and Engineering trades and related Industries including Mining. The refurbished Trade Training Centre at Thebarton has modern well equipped workshops that allow training to be delivered in an industrial context. Students will investigate a range of career opportunities available and undertake work placements to provide further insights.

COURSE CONTENT
There is a strong emphasis on safety and students develop sound workshop practices and skills through the application of a range of foundational hand tool skills. Students also use a wide range of workshop equipment including:
- metal working lathes and milling machines
- metal cropping and punching machines
- MIG, Arc and TIG welding machines
- grinders

UNITS OF COMPETENCE
(Nominal hours shown in brackets)

Core
MEM 13014A  Apply Principals of OHS in the Work Environment (10)
MEM 14004A  Plan to Undertake a Routine Task (10)
MEM 15024A  Apply Quality Procedures (work placement) (10)
MEM 16007A  Work with others in a Manufacturing, Engineering or related Environment (10)

Elective Units
MEM 05006C  Perform Brazing and or Silver Soldering (20)
MEM 05012C  Perform Routine MMAW (20)
MEM 11011B  Undertake Metal Handling (20)
MEM 12023A  Perform Engineering Measurements (30)
MEM 12024A  Perform Computations (30)
MEM 16006A  Organise and Communicate Information (20)
MEM 16008A  Interact with Computing Technology (20)
MEM 18001C  Use Hand Tools (20)
MEM 18002B  Use Power Tools/Hand held Operations (20)
MEM 20105  Unit for Certificate II in Engineering (20)
MEM 05050B  Perform Routine GMAW (20)
MSAENV272B  Participate in environmentally sustainable work practices (30)
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