



Kiara
College

YEAR 11 - 2016

**COURSE INFORMATION
HANDBOOK**

COURSE INFORMATION HANDBOOK

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*This handbook has been prepared in good faith from information available at the time of printing,
however, changes may occur.*

INTRODUCTION

This course selection guide contains information to help you decide which courses to study in Years 11 and 12. The options are many and the need for discussions with parents, teachers, counsellors and others is very important.

You should consider your choices wisely. You should think about interests, abilities, school course choices and intentions

Forward planning is essential if you are to make the most of their opportunities. The following guidelines may be helpful:

1. Relate courses to current career information It is helpful to have a few career choices in mind before choosing courses.
2. Find out about courses Read the course descriptors carefully and talk to teachers.
3. Be prepared to ask for help and seek information There are many people to talk to and there are websites provided in this handbook.

Student Responsibilities

Enrolment in senior schooling carries certain obligations regarding behaviour, attendance, dress, attitude and effort. You may be required to attend and participate in Period 0 or Period 6 classes. The Good Standing Policy and Assessment Policy that Year 11 and 12 students are required to follow will be outlined to you at the beginning of the school year.

Course Selection Process

Our aim is for all students to enrol in the pathway and courses that best suit your interests, abilities and future. As such, we run a comprehensive course selection process.

Course Selection Interviews

You and your parents may request an interview with a Course Counsellor to discuss choices and pathways to best address strengths and goals. It is important that preliminary course selections (and reserves) are submitted on time. Your course preferences are crucial to the timetabling process.

Finalising Pathways and Course Selection

It is your responsibility to ensure that course selections qualify you for any future course or desired career and that these courses are within your abilities.

Kiara College offers a range of courses and certificates for 2016. However, like all schools, the courses offered will only run if there are a sufficient number of students interested in enrolling in the course. In order to increase curriculum offerings and provide greater choice to students in the local community, course delivery may be through our collaborative alliance with other schools. If you chose a course that is not viable in 2016 or the course is offered through flexible delivery, you will be contacted regarding your choices.

STUDENT OPTIONS

Pathways

Generally, the pathway and courses chosen in Year 11 are a commitment for two years. It is advisable to follow a Year 11 course through to the end of Year 12.

We offer the following pathways for students:

- University Entrance Pathway
- Training/Employment Pathway

University Pathway

- All students must study an English and a Maths Course.
- This pathway is available to students who achieve A and B grades in Year 10 classes and who satisfy the requirements for NAPLAN/OLNA for literacy and numeracy.
- You select six courses, with a minimum of four ATAR courses in Year 11.
- In addition to the four ATAR courses, you may enrol in up to two Stage 1 or 2 courses or Certificates.
- External examinations for university entrance are conducted by the School Curriculum and Standards Authority for Year 12 course in November of your final year ie Year 12.
- You need to be aware of the universities' specific prerequisite courses. These courses must be satisfactorily studied in Year 11 and Year 12 for entry.

Training/Employment Pathway

- If you wish to attend TRAINING WA (State Training Provider) or enter the workforce after senior schooling you need to select six courses or a combination of courses and certificates.
- You must study an English and a Maths Course.

It is very important when selecting a course that attention is paid to minimum entry requirements, the semester reports, Year 9 NAPLAN and Year 10 OLNA results. Courses will only run if there are sufficient student numbers.

CAREER AND EDUCATION WEBSITES

The information gained from the following list of websites may help you determine their post-school options.

Apprenticeships and Traineeships

www.trainingwa.wa.gov.au/apprenticentre

Australian Defence Force Academy

www.defencejobs.gov.au

Australia wide job search

www.jobsearch.gov.au

Career research

www.careersonline.com.au

Centrelink

www.centrelink.gov.au

Curtin University

www.curtin.edu.au

Edith Cowan University

www.ecu.edu.au

Job Resources Australia

jobsearch.gov.au/

Murdoch University

www.murdoch.edu.au

My Future

www.myfuture.edu.au

OZJAC link

www.curriculum.edu.au

Training WA (TAFE course information)

www.trainingwa.wa.gov.au

Tertiary Institutions Services Centre

www.tisc.edu.au

University of Notre Dame

www.nd.edu.au

University of Western Australia

www.uwa.edu.au

Vacancies Australia wide

www.seek.com.au

Western Australian Government (go to 'Education and Training')

www.wa.gov.au

UNIVERSITY REQUIREMENTS

Information about applying to the universities will be sent to Year 12 students at their schools in August 2016. Application will be via the TISC website.

For detailed information about university admission requirements, you and parents should refer to the appropriate *Admission Requirements for School Leavers* brochure produced by the Tertiary Institution Service Centre (TISC). These brochures can be downloaded from www.tisc.edu.au.

Alternative Entry to University

There is a selection of alternative entry pathways to university for students who fulfil certain criteria. You and your parents can contact the universities directly for information on courses and admission requirements. University websites have specific sections for prospective/future students, parents and guardians.

TRAINING PROVIDERS

Training WA offers courses for vocational education and training, apprenticeships and traineeships, support for workplace learning and courses for business and industry.

If you are interested in applying for Training WA courses you are strongly advised to access the latest information from www.trainingwa.wa.gov.au where you will find detailed information on the website.

If you need to explore career options and obtain extra help, please contact the Career Centre:

166 Murray Street
Perth City
8.30am to 4.30pm Monday to Friday

Phone: 132398 or 9224 6500

Email: career.centre@dtwd.wa.gov.au

Website: <http://www.careercentre.dtwd.wa.gov.au/Pages/CareerCentre.aspx>

WACE REQUIREMENTS

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

To achieve a WACE from 2016, a student must satisfy the following:

General requirements

- demonstrate a minimum standard of literacy and a minimum standard of numeracy
- complete a minimum of 20 units or equivalents as described below
- complete at least four Year 12 ATAR courses (excluding unacceptable combinations) or complete a Certificate II (or higher) VET qualification. Note: the partial completion of a Certificate III or higher VET qualification may meet this requirement according to predetermined criteria.

Breadth and depth

Students must

- complete a minimum of 20 units or the equivalent. This requirement must include at least:
 - a minimum of ten Year 12 units or the equivalent
 - two completed Year 11 units from an English course and one pair of completed Year 12 units from an English course
 - one pair of Year 12 units from each of List A (arts/languages/social sciences) and List B (mathematics/science/technology).

Achievement standard

Students must achieve 14 C grades in Year 11 and Year 12 units, including at least six C grades in Year 12 units (or equivalents).

Unit equivalence

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

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

For VET qualifications:

- a Certificate I is equivalent to two Year 11 units
- a Certificate II is equivalent to two Year 11 and two Year 12 units
- a Certificate III or higher is equivalent to two Year 11 and four Year 12 units
- a partially completed Certificate III or higher is equivalent to two Year 11 and two Year 12 units (credit only allocated if the criteria for partial completion is met).

Achievement of a WACE

Courses units/programs from these groups contribute to the achievement of a WACE: ATAR, General, Foundation, VET industry specific courses, VET qualifications and endorsed programs. Preliminary course units do not contribute to the achievement of a WACE. WACE courses are grouped into List A (arts/languages/social sciences) and List B (mathematics/science/technology). Students studying for a WACE are required to select at least one Year 12 course from each of List A and List B. Appendix 3 lists the subjects as List A and List B. Schools choose to offer courses that meet the needs and interests of their students in line with the resources they have available. You are able to select across a range of courses at a range of cognitive levels to suit your skills and post school aspirations. If you think you will be heading to university once you finish Year 12, you should enrol in at least four ATAR courses. The rank is used by universities as a selection mechanism. More information about the ATAR is available at the TISC website at <http://www.tisc.edu.au/>.

If you do not complete the course requirements to achieve an ATAR you will need to achieve a minimum of a Certificate II qualification. ATAR, General and Foundation courses are offered at two year levels – Year 11, comprising Units 1 and 2, and Year 12, comprising Units 3 and 4. The different certificates (I, II and III) available through VET industry specific courses are packaged as two or four units. Permission for a student to change courses is a school decision; however, for a student to achieve course unit credits, a change can only be made early in Year 12, before the cut-off date set by the Authority; or in Year 11 early in the year after the completion of Unit 1, or at the end of Year 11 after the completion of Unit 2. A student who withdraws from a VET industry specific course does not achieve course unit credits.

The Western Australian Statement of Student Achievement

A Western Australian Statement of Student Achievement is issued to all Year 12 students who complete any study that contributes towards a WACE. It lists all courses and programs students have completed in Year 11 and 12.

Literacy and numeracy

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

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

You can demonstrate the minimum standard:

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

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

There are three assessment components:

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

COURSE CHARGES

Pursuant to the School Education Act 1999, subject charges for students in Years 11 and 12 are **compulsory** and must be paid for students to access their choices. Set out in this document are the estimated 2016 charges for each subject, however at the time of going to print these had not been ratified by the school's Finance Committee and School Council so **may vary** slightly. The school is willing to negotiate a payment plan to enable eased of payment. The course charges outlined in this handbook are subject to change without notice as they are approximations at this early stage. Some subjects will require the purchase of textbooks – amounts provided are estimates only.

COURSE INFORMATION

NOTE: Due to timetabling constraints, it may not be possible to timetable courses if they are only chosen by a very small number of students. Students need to select at least one course from List A and one course from List B.

LIST A COURSES			
BME	Business Management and Enterprise	GEO	Geography
CAE	Career and Enterprise	MUS	Music
CFC	Children, Family and Community	VAR	Visual Art
ENG	English		
LIST B COURSES			
APS	Animal Production Systems	HBS	Human Biological Science
AIT	Applied Information Technology	MAT	Mathematics
AET	Automotive Engineering and Technology	MDT	Materials Design and Technology
CHE	Chemistry	OED	Outdoor Education
FST	Food Science and Technology	PHY	Physics

It is very important when selecting a course that attention is paid to minimum entry requirements, your academic achievement and career paths.

The prerequisite for entry to ATAR Courses is a minimum B Grade in Year 10. You study one unit per semester.

The prerequisite for General Courses is a minimum C Grade. You study one unit per semester.

AGRICULTURE

ANIMAL PRODUCTION SYSTEMS: APS

Animal Production Systems General Units 1 and 2 \$35 per unit

In the Animal Production Systems General course you learn about and apply operational practices to selected animal enterprises. This practically orientated course provides you with skills and attitudes to carry out a range of activities involved in producing animals and animal products. You will complete practical skills and production tasks in the beef cattle enterprise, culminating in the Led-Steer Competition at the Perth Royal Show. You will also have the opportunity to develop skills related to the sheep industry.

ARTS

MUSIC: MUS

Music General Units 1 and 2 \$40 per unit

The Music General course encourages you to explore a range of musical experiences, developing your musical skills and understanding, and creative and expressive potential, through a selected musical context. The course consists of a written component incorporating Aural and Theory, Composing and arranging, Investigation and analysis, in addition to a practical component. The Aural and Theory content in the written component is generic, and can be adapted and extended to suit any selected context. The practical component consists of three different options and can be delivered in a different context, independent of the written component. You select only one option, and can choose to perform on an instrument or voice, submit a composition portfolio, or complete a production/practical project. The Music General course provides opportunities for creative expression, the development of aesthetic appreciation, and understanding and respect for music and music practices across different times, places, cultures and contexts. You listen, compose, perform and analyse music, developing skills to confidently engage with a diverse array of musical experiences both independently and collaboratively. Studying music may also provide a pathway for further training and employment in a range of professions within the music industry.

VISUAL ART: VAR

Visual Arts ATAR Units 1 and 2 \$60 per unit

In the Visual Arts ATAR course, students engage in traditional, modern and contemporary media and techniques within the broad areas of art forms. The course promotes innovative practice. Students are encouraged to explore and represent their ideas and gain an awareness of the role that artists and designers play in reflecting, challenging and shaping societal values. The Visual Arts ATAR course allows students to develop aesthetic understandings and a critical awareness to appreciate and make informed evaluations of art through their engagement of their own art practice and the work of others.

The course encourages students to develop problem-solving skills together with creative and analytical ways of thinking. This course leads to a written exam on completion of each unit and is suited to people who really like art and usually score A's and B's in Art and English and S&E subjects.

BUSINESS & IT

APPLIED INFORMATION TECHNOLOGY: AIT

Applied Information and Technology ATAR Units 1 and 2 \$25 per unit

The Applied Information Technology ATAR course provides you with the knowledge and skills to use a range of computer hardware and software to create, manipulate and communicate information in an effective, responsible and informed manner. You develop an understanding of computer systems; the management of data; and the use a variety of software applications to investigate, design, construct and evaluate digital products and digital solutions. You investigate client-driven issues and challenges, devise solutions, produce models or prototypes and then evaluate and refine the developed digital product and solution. The course offers pathways to further studies and a range of technology-based careers, and a set of skills that equip you for the 21st century and give you an appreciation of the impact of information technology on society.

Applied Information and Technology General Units 1 and 2 \$25 per unit

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

BUSINESS MANAGEMENT AND ENTERPRISE: BME

Business Management and Enterprise ATAR Units 1 and 2 \$25 per unit

The Business Management and Enterprise ATAR course focuses on business planning, marketing and growth, and opportunities provided for business by technology and the global environment. You examine factors that drive international business developments, the features and traits of successful management, and how businesses operate strategically to maximise business performance in a global setting. Through the consideration of real businesses and scenarios, you develop knowledge, understanding and skills that enable you to apply financial and business literacy, analyse business opportunities, evaluate business performance, identify and create opportunities, and make sound, ethical business decisions within a business environment. The course equips you to participate proactively in the world of business, behave responsibly and demonstrate integrity in business activities.

DESIGN AND TECHNOLOGY

AUTOMOTIVE ENGINEERING AND TECHNOLOGY: AET

Automotive Engineering and Technology General Units 1 and 2 \$45 per unit

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

MATERIALS DESIGN AND TECHNOLOGY: MDT

Materials Design and Technology General Units 1 and 2 \$55 per unit

The Materials Design and Technology General course is a practical course. You can choose to work with metal, textiles or wood, with the design and manufacture of products as the major focus. You have the opportunity to develop and practise skills that contribute to creating a physical product, while acquiring an appreciation of the application of a design process, and an understanding of the need for materials sustainability. You will learn and practise manufacturing processes and technologies, including principles of design, planning and management.

ENGLISH

ENGLISH: ENG

The study of English is compulsory in Years 11 and 12. There are two English Courses available to Year 11 students in 2016. In each of the English courses students study units 1 and 2 in Year 11 followed by units 3 and 4 in Year 12.

English: ATAR Course. Units 1 and 2 \$30 per unit

This course focuses on developing your analytical, creative, critical thinking and communication skills. ATAR English is designed to develop your facility with all types of texts and language modes and to foster an appreciation of the value of English for lifelong learning.

In Unit 1, students explore how meaning is communicated through the relationships between language, text, purpose, context and audience. Through responding to and creating texts, students consider how language, structure and conventions operate in a variety of imaginative, interpretive and persuasive texts. Study in this unit focuses on the similarities and differences between texts and how visual elements combine with spoken and written elements to create meaning.

Unit 2 sees you analyse the representation of ideas, attitudes and voices in texts to consider how texts represent the world and human experience. You will analyse how language and structural choices shape perspectives in and for a range of contexts. You will respond to and create your own texts in different modes and media. You will critically examine the effect of stylistic choices and the ways in which those choices position audiences for particular purposes, revealing and shaping attitudes, values and perspectives.

This course is recommended for students who intend to study at university post- secondary school.

Pre-requisites for students selecting the ATAR English course are a minimum of a B grade in year 10 English and having satisfied the OLNA literacy component in Year 10.

English: General Course. Units 1 and 2 \$30 per unit

This course focuses on consolidating and refining the skills and knowledge you require to become a competent, confident and engaged user of English in everyday, community, social, further education, and training and workplace contexts. This course is divided into two units, each of one semester duration. The units are delivered as a pair. Unit 1 focuses on your comprehending and responding to the ideas and information presented in texts while Unit 2 focuses on interpreting ideas and arguments in a range of texts and contexts.

This course is designed to provide you with skills that will empower you to succeed in a wide range of post- secondary pathways. The General course is recommended for students who intend to continue their education through State Training Providers.

HEALTH AND PHYSICAL EDUCATION

OUTDOOR EDUCATION: OED

Outdoor Education General Course Units 1 AND 2 \$60 per unit

The Outdoor Education General course is based on the experiential learning cycle. This cycle is made up of three stages: plan, do and review. Students plan for outdoor experiences, participate in these experiences and reflect on their involvement.

Activities may include: roping/abseiling, navigation, camp craft, expedition planning and sailing.

Students are required to attend two camps with each being a minimum of 2 days duration. Failure to attend these expeditions will result in an unsatisfactory grade. The cost of these camps IS NOT included in the course cost.

HUMANITIES AND SOCIAL SCIENCES

CAREER AND ENTERPRISE: CAE

Career and Enterprise ATAR Units 1 and 2 \$40 per unit

Career education has moved towards learning to manage and take responsibility for personal career development before even leaving school. The Career and Enterprise course equips students with the tools to head confidently into an uncertain future. It begins with recognising individual skills and talents, and moves on to using this understanding to find work and keep it. All aspects of work and workplaces are explored, from entry level to working globally. Changing technology, employment patterns and economic restructuring are realities of the rapidly changing world of work students will be entering. Learning to deal with constant change through adaptability, enterprise and lifelong learning are vital elements of the course, along with exploration of social, cultural and environmental issues.

Career and Enterprise General Units 1 and 2 \$40 per unit

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

How will this course help students in the future?

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

GEOGRAPHY: GEO

Geography ATAR Units 1 and 2 \$25 per unit

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

Geography is the study of physical and cultural environments from a spatial perspective. It provides you with the knowledge and skills to observe and describe places on the surface of the Earth and from a spatial perspective analyse and provide explanations on human and physical phenomena and their complex interactions. You develop a range of skills that help you to understand the physical world, interpret the past, scrutinise the present and explore sustainable strategies for the future care of places.

Unit 1

Students study natural hazards such as volcanic eruptions, earthquakes, cyclones, droughts and fire. They also study ecological hazards such as Ebola, malaria and whooping cough.

Unit 2

Students study mining (eg iron ore), food (wheat) or manufactured goods (eg computers, cars) or recreational tourism. They look at the diffusion of culture by studying fashion, sport, music, religion or architecture.

How will this course help students in the future?

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

The prerequisite for entry to ATAR Courses is a minimum B Grade in Year 10. You study one unit per semester.

Geography General Units 1 and 2 \$25 per unit

In the Geography General course you learn how to collect information from primary and secondary sources, such as field observation and data collection, mapping, monitoring, remote sensing, case studies and reports. Geography as a discipline values imagination, creativity and speculation as modes of thought. It develops your knowledge about the interconnections between places and explores the spatial patterns and processes related to environments at risk, and to the protection of such environments through management at local, regional and global levels.

The prerequisite for General Courses is a minimum C Grade. You study one unit per semester.

WORKPLACE LEARNING: WPL

Workplace Learning (WPL) \$180 for the year

The Workplace Learning course aims to prepare students for employment by providing them with knowledge that is valued in a work environment. Employability skills are developed over a lifetime and are valued in education, training, workplaces and the community. Participating in a supported structured workplace learning program based on employability skills and involving a number of different workplaces, assists students to make informed decisions about their futures.

How will this course help students in the future?

Employer's value generic work related skills that are transferable and vital to all forms of employment. These skills are often referred to as employability skills and are relevant for everyone who is seeking work or working.

Participation in a supported structured workplace learning program based on employability skills and involving a number of different workplaces assists students to make informed decisions. These decisions are important as students move from school to further education, training, employment and participation in the community.

HOME ECONOMICS

CHILDREN, FAMILY AND COMMUNITY: CFC

Children, Family and the Community General Units 1 and 2 \$77 per unit

The Children, Family and the Community General course focuses on factors that influence human development and the wellbeing of individuals, families and communities. You explore the health of individuals and communities and the protective and preventative strategies that impact on growth and development. They engage in shared research, examine goal setting, self-management, decision making, communication and cooperation skills when creating products, services or systems that will assist individuals, families and communities to achieve their needs and wants.

Contemporary Australian issues or trends relating to families and communities at the state and national level are examined in practical ways.

FOOD SCIENCE AND TECHNOLOGY: FST

Food Science and Technology General Units 1 and 2 \$88 per unit

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

MATHEMATICS

MATHEMATICS: MAT

Mathematics Specialist ATAR Units 1 and 2 \$30 per unit (Textbooks to be purchased ~ \$80)

This is an ATAR course and is taken along with Maths Methods. Students who wish to study engineering at university must take this course. You must be strong in maths to succeed in this course. Maths Specialist provides opportunities beyond those presented in the Mathematics Methods ATAR course and gets you to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. The Mathematics Specialist ATAR course contains topics in functions and calculus that build on and deepen the ideas presented in the Mathematics Methods ATAR course, as well as demonstrate their application in many areas. This course also extends understanding and knowledge of statistics and introduces the topics of vectors, complex numbers and matrices.

This course continues into Year 12 where students will enrol in Units 3 and 4. The Mathematics Specialist ATAR course is the only ATAR mathematics course that should not be taken as a stand-alone course. Students who enrol in Mathematics Specialist are also required to enrol in Mathematics Methods.

Mathematics Methods ATAR Units 1 and 2 \$30 per unit (Textbooks to be purchased ~ \$80)

The focus in this course is on the use of calculus and statistical analysis. The study of calculus provides a basis for understanding rates of change in the physical world, and includes the use of functions, their derivatives and integrals, in modelling physical processes. The study of statistics develops students' ability to describe and analyse phenomena that involve uncertainty and variation.

Students studying this course are expected to complete Units 3 and 4 in Year 12. Mathematics Methods is a good maths course to take for all careers that require University entrance except Engineering where you will need to take an extra maths specialist course.

Mathematics Applications ATAR Units 1 and 2 \$30 per unit (Textbooks to be purchased ~ \$80)

Mathematics Applications focuses on the use of mathematics to solve problems in contexts that involve financial modelling, geometric and trigonometric analysis, graphical and network analysis, and growth and decay in sequences. The course also covers the statistical investigation process for analysing different types of data such as univariate and bivariate data.

Students studying Maths Applications are expected to complete the course in Year 12 by studying Units 3 and 4.

Students cannot change from Maths Applications into Maths Methods Units 3 and 4 in the following year. Students who struggle in this course can drop down to Maths Essentials however that is not an ATAR course.

Mathematics Essential General Units 1 and 2 \$30 per unit (Textbooks to be purchased ~ \$80)

The focus in this course is using mathematics effectively, efficiently and critically to make informed decisions. It provides you with the mathematical knowledge, skills and understanding to solve problems in real contexts for a range of workplace, personal, further learning and community settings. This course provides the opportunity for you to prepare for post-school options of employment and further training at TAFE. This course will lead into Year 12 Units 3 and 4. This is not an ATAR course and you cannot start this course in Year 11 then transition to Maths Application 3 and 4 in Year 12.

Mathematics Foundation Unit 1 and 2 \$30 per unit (Textbooks to be purchased ~ \$80)

This is a General course which focuses on building your capacity and confidence to use mathematics to meet the numeracy standard for the WACE. It provides you with the knowledge, skills and understanding to solve problems across a range of contexts, including personal, community and workplace/employment. This course provides the opportunity for you to prepare for post-school options of employment but only limited access to further training. Foundation Maths is not the desired option for TAFE entry.

Students who attain a Level 1 numeracy grade in the OLNA assessment in Year 10 are recommended to do this course to further build their maths skills. Students taking this course must complete this course in Year 12 and undertake Units 3 and 4. You cannot switch to another Maths course from this one

SCIENCE

CHEMISTRY: CHE

Chemistry ATAR Units 1 and 2 \$35 per unit (Textbooks to be purchased ~ \$100)

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

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

HUMAN BIOLOGICAL SCIENCE: HBS

Human Biology ATAR Units 1 and 2 \$30 per unit (Textbooks to be purchased ~ \$100)

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

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

PHYSICS: PHY

Physics ATAR Units 1 and 2 \$25 per unit (Textbooks to be purchased ~ \$100)

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

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

CERTIFICATES

THERE IS A COST OF \$90-\$176 FOR THESE CERTIFICATES. SOME CERTIFICATES WILL BE COMPLETED OVER TWO YEARS AND OTHERS WILL BE COMPLETED IN ONE YEAR. AS TRAINING PACKAGES ARE CONTINUALLY UPDATED, SOME OF THE LISTED UNITS OF COMPETENCE MAY CHANGE.

CERTIFICATE II ANIMAL STUDIES ACM20110 (1 YEAR) \$90/YEAR

This qualification is a general pre-vocational qualification aimed for inclusion in a VET in Schools program or as an entry point into the animal care and management industry. It allows students to develop basic skills, knowledge and attitudes related to the production and marketing of selected farm products. This practical oriented course aims to develop a diversity of skills and attitudes in carrying out a range of activities including: animal production, farm machinery and equipment and meeting workplace employment requirements.

Units of competence include:

ACMOHS201A	Participate in occupational health and safety processes
ACMGAS201A	Work in the animal care industry
ACMGAS202A	Participate in workplace communications
ACMGAS203A	Complete animal care hygiene routines
ACMGAS204A	Feed and water animals
ACMGAS205A	Assist in health care of animals
ACMSUS201A	Participate in environmentally sustainable work practices
ACMGAS206A	Provide basic first aid for animals
ACMGAS208A	Source information for animal care needs
ACMGAS209A	Provide information on companion animals, products and services
ACMGAS210A	Prepare for and conduct a tour or presentation

CERTIFICATE II BUSINESS BSB20107 (1 YEAR) \$90/YEAR

The Certificate in Business will prepare you for a role within a business environment. It will provide you with the skills required to perform business-related tasks such as producing documents and building customer relationships. This will introduce you to a range of standard business software packages includes word processing, excel and database software. An industry recognised qualification, this course will lead to joining the workforce or further study. Units of competence include :

BSBCMM201A	Communicate in the workplace
BSBWOR204A	Use business technology
BSBWOR203A	Work effectively with others
BSBWOR202A	Organise and complete daily work activities
BSBOHS201A	Participate in OHS processes
BSBITU203A	Communicate electronically
BSBINM201A	Process and maintain workplace information
BSBINM202A	Handle mail
BSBINN201A	Contribute to workplace innovation
BSBITU101A	Operate a personal computer
BSBITU201A	Produce simple word processed documents
BSBITU202A	Create and use spreadsheets

CERTIFICATE II IN DANCE CUA20111 (2 years) \$110/YEAR

This certificate is designed to ensure that students meet Local Industry Standards to work in Performance and Dance related employment. Units of Competence include Practical and Theoretical components and include:

CUADAN201A	Develop Basic Techniques
CUAOHS101A	Basic Safe Dance Practices
CUAHS201A	Develop a Basic Level of Physical Conditioning
CUADAN203A	Perform Basic Jazz Dance Techniques
CUAPRF201A	Prepare Self for Performances
CUADAN208A	Perform Basic Street Dance Techniques
CUAOHS301A	Condition the Body for Dance Performances
CUFIND201A	Develop and Apply Creative Arts Industry Knowledge
CUADAN202A	Incorporate Artistic Expression into Basic Dance Performances
BSBWOR203A	Work Effectively With Others

CERTIFICATE III EDUCATION SUPPORT/TEACHER ASSISTANT: CHC30213 **(2 YEARS) \$110/YEAR**

This qualification reflects the role of workers in a range of education settings, including public and independent school and community education settings, who provide assistance and support to teachers and students under broad-based supervision. The Units of Competence will be negotiated with students.

CERTIFICATE II IN ENGINEERING MEM201050 (2 YEARS) \$90/YEAR

Minimum entry requirement for Furniture Making is to have completed a Year 10 Design and Technology course with a minimum pass of a C grade. If this pre-requisite is not achieved then entry is in consultation with a Design and Technology teacher. Units of Competence include:

MEM05006C	Perform brazing and or silver soldering
MEM15024A	Apply quality procedures
MEM14004A	Plan to undertake a routine task
MEM13014A	Apply principles of occupational health and safety
MEM05005B	Carry out mechanical cutting
MEM16008A	Interact with computing technology
MEM03003B	Perform sheet and plate assembly
MEM05004C	Perform routine oxy acetylene welding
MEM05012C	Perform routine manual metal arc welding
MEM07032B	Use workshop machines for basic operations
MEM18002B	Use power tools/hand held operations
MEM12023A	Perform engineering measurements
MEM18001C	Use hand tools
MEM14005A	Plan a complete activity
MEM16007A	Work with others in a manufacturing, engineering or related environ...
MEM15002A	Apply quality systems
MEM105050B	Perform routine gas metal arc welding
CPCCOHS1001A	Work safely in the construction industry

CERTIFICATE II HOSPITALITY: SIT20312 (2 YEARS) \$176/YEAR*

This qualification provides a pathway to work in kitchen operations in organisations such as restaurants, hotels, catering operations, cafes, coffee shops and institutions such as aged care facilities, hospitals and schools. This is a practical course and covers a range of competencies.

***Unit charge may change due to price increases**

CERTIFICATE II IN LIVE PRODUCTION AND SERVICES: CUA20213 **(2 YEARS) \$90-\$110**

This Certificate is designed for students who have an interest in Performing Arts and may be considering pursuing a career in the entertainment industry. This is a practical course which will cover front of house duties, ushering, lighting skills, audio skills, staging skills and bump in/bump out skills. Units of Competence include:

BSBWOR203B	Work effectively with others
CPCCOHS1001A	Work safely in the construction industry
CUFIND201A	Develop and apply creative arts industry knowledge
CUSOHS301A	Follow occupational health and safety procedures
CUAFOH201	Undertake routine front of house duties
CUAFOH202	Usher patrons
CUALGT201	Develop basic lighting skills and knowledge
CUASOU201	Develop basic audio skills and knowledge
CUASTA201	Develop basic staging skills
CUASTA202	Assist with bump in and bump out of shows

CERTIFICATE II IN SPORT AND RECREATION SIS2031O (2 YEARS) \$110/YEAR

You will develop skills and knowledge that will enable you to pursue your potential as athletes, coaches, officials and/or administrators, referees and fitness instructors. The content of the Certificate will be a mixture of theory and physical activity. The theory component will be directly related to the sports participated in during the course, which will, in turn, be determined by the teacher and the interests of the students. Units of Competence include:

BSBWOR202A	Organise and complete daily work activities
SISSSPT201A	Implement sports injury prevention
SISSSPT303A	Conduct basic warm-up and cool-down programs
SISXOHS101A	Follow occupational health and safety policies
SISXIND101A	Work effectively in sport and recreation environments
SISXEMR201A	Respond to emergency situations
SIUSXCAI101A	Provide equipment for activities
SISXCAI102A	Assist in preparing and conducting sport and recreation sessions
SISSTOU202A	Perform intermediate tactics and strategies of touch
SISSTOU201A	Perform the intermediate skills of touch

CERTIFICATE II SPORT AND RECREATION SIS2031O – BASKETBALL FOCUS (2 YEARS) \$110/YEAR

You will develop skills and knowledge that will enable you to pursue your potential as athletes, coaches, officials and/or administrators. The content of the Certificate will be a mixture of theory and physical activity. The practical component and the sole focus of this course will be on basketball, which will directly relate to the Certificate theory. Basketball will have an emphasis on team strategies and techniques. Units of Competence include:

BSBWOR202A	Organise and complete daily work activities
HLTFA301B	Apply first aid
SISXOHS101A	Follow occupational health and safety policies
SISXIND101A	Work effectively in sport and recreation environments
SISXEMR201A	Respond to emergency situations
SISXCA1303A	Plan and conduct sport and recreation sessions
SISSBSB201A	Teach fundamental basketball skills
SISBSB202A	Teach fundamental basketball tactics and game strategy
SISSOGP301A	Conduct games or competitions
SISSSPT303A	Conduct basic warm-up and cool-down programs

CERTIFICATE II IN TELECOMMUNICATIONS ICT2012 (1 YEAR) \$110/YEAR

Minimum entry requirement is a B grade in a Year 10 Design and Technology course and high achievement in English and Mathematics. This is a one year Certificate in Telecommunications which will enable you to obtain work as a Telecommunication, Audio/Video or Electronic Security Technician. Units of Competence include:

BSBCUS201A	Deliver a service to customers
BSBSUS201A	Participate in environmentally sustainable work practices
ICTCBL2016A	Joint metallic conductor cable on customer premises
ICTCBL2017A	Alter services to existing cable system
ICTCBL2136A	Install, maintain, modify customer premises communications cabling: ACMA Restricted Rule
ICTOHS2170A	Follow Occupational Health and Safety and environmental policy and procedures
ICTRFN2163A	Install a satellite antenna
ICTRFN2164A	Install a terrestrial antenna
ICTTEN2007A	Use electrical skills in telecommunications work
ICTTEN2105A	Install and test an internet protocol device in convergence networks
ICTTEN2140A	Use hand and power tools

CERTIFICATE II TOURISM SIT20112 (1 year) \$90/YEAR

This qualification provides a pathway to work in many tourism and travel industry sectors and for a diversity of employers including retail travel agencies, tour wholesalers, tour operators, attractions, cultural and heritage sites and any small tourism business requiring multi-skilled employees.

Units of Competence:

SITTIND201	Source and use information on the tourism and travel industry
SITXCCS202	Interact with customers
SITXCOM201	Show social and cultural sensitivity
SITXWHS101	Participate in safe work practices
SITXCCS201	Provide visitor information
SIRXSLS201	Sells products and services
SIRXSLS002A	Advise on products and services
SITTTSL302	Provide advice on Australian destinations
BSBCUS201B	Deliver a service to customers
SITXFSA101	Use hygienic practices for food safety
SITHFAB204	Prepare and serve espresso coffee

How will this course help students in the future?

Students develop relevant technical, vocational and interpersonal competencies suitable for employment and further training in tourism, as well as skills, knowledge and experiences that are transferable to other industry areas.

CERTIFICATE II IN VISUAL ARTS : VAR CUV20111 (2 YEARS) \$110/YEAR

A positive manner, good work ethic and enjoyment of Art are desirable. This Certificate is designed for students who enjoy Art, wish to pursue a career in the arts industry and may be considering attending Training. This is a practical course and covers a range of competencies with a focus on painting, clay and/or fashion design. Units of Competence include:

BSBCRT101A	Apply critical thinking techniques
BSBCRT301A	Develop and extend critical and creative thinking skills
BSBDES201A	Follow a design process
BSBOHS201A	Participate in OHS processes
BSBWOR203B	Work effectively with others
CUVACD101A	Use basic drawing techniques
CUVCER201A	Develop ceramic skills
CUVCER301A	Produce ceramics
CUVDIG201A	Develop digital imaging skills
CUVDRA201A	Develop drawing skills
CUVPAI201A	Develop painting skills
CUVPRI201A	Develop printmaking skills
CUVPRP101A	Use ideas and techniques for creative work
CUVPRP203A	Store finished creative work