



# the Canberra College

*an ACT Government College*



# 2015 Handbook

*Canberra College provides a co-educational,  
comprehensive and inclusive curriculum  
for a wide range of students.*

*This handbook will give you guidance on what  
the college has to offer. The Canberra College is  
committed to support you in your transition from  
secondary education to life after school.*

*Further information regarding the college is available  
on our website at [www.canberrac.act.edu.au](http://www.canberrac.act.edu.au)  
or by contacting the College on 6205 5777.*

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2013  
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**YITONG TAO**  
2013, *Digital Photograph*



# Welcome to the Canberra College

Canberra College has high expectations of all its students in academic performance, behaviour and service to the wider community. Our community values and caters for its diversity through a variety of academic pathways which acknowledge intercultural understanding, learning abilities and styles. We are proud of our status as an International Baccalaureate World School and seek to develop a global perspective as we prepare our students for the world of today and tomorrow. All students study for an ACT Year 12 Certificate while some undertake additional awards such as the IB Diploma, nationally recognised training packages, Australian School Based Apprenticeships (ASBAs), the Big Picture program or our Futures program.

We promote our values of respect, social justice, individuality, honesty and equity. As a community we keep these at the forefront of our operations as a moral compass in our daily life. We celebrate diversity and excellence in the multiple learning pathways offered to our students. To support our students to excel and achieve their intended goals, dedicated specialist teachers enhance the broad curriculum in state of the art facilities. The improvements in the learning environment continues to be a priority of the college. Our new Performing Arts Centre with a fully equipped professional theatre had its first full year of operation in 2013. CCCares, a national award winning

program, offers the opportunity for young parents to complete their Year 12 Certificate and gain vocational qualifications in a supported environment. This was recognised with the attainment of the VET in Schools Award for 2013. The ACT Government is now creating a world first by funding a new \$14 million facility for CCCares at the Woden Campus. Construction has commenced and should be finalised by Day 1 2015.

Life as a student at Canberra College abounds with opportunities and challenges. These may include activities such as performing at the Adelaide Fringe Festival, working on projects with villagers in Borneo, participating in Science Olympiads, completing the IB Diploma, representing the college in sport, singing at our annual Talent Quest, attending Writing or Psychology camps, providing table service at the Canberra Cystic Fibrosis "Twilight in the Jungle" evening, debating, completing an ASBA in Electrotechnology, whale watching at Montague Island, studying extension units at the ANU Secondary College, caving at Wee Jasper or competing in a team at the University of Canberra Maths Day.

The Canberra College maintains a genuine partnership between students, teachers and parents to ensure the success of each individual student now and into the future.

**George Palavestra**

*Principal*

# College Information

## Student Services

The Student Services team includes an Executive Teacher, three Student Advisors, administrative officers and a School Psychologist. They work in conjunction with the Careers and Work Experience team. The Student Services team works with students to:

- assist in the transition to pathways beyond school, including gaining university or CIT entrance, apprenticeships, traineeships or the world of work
- coordinate course selection for new and continuing students
- provide assistance with academic, social or personal concerns for students and stakeholders
- monitor packages, points and absences

The Student Services team works as a liaison between students, parents and staff; the Student Services area is open throughout the school day for appointments and casual drop-ins.

## iGroup (Information Group) and Student Meetings

iGroups meet each Wednesday for 15 minutes. **This is compulsory for all students.** iGroup teachers communicate to students various college notices such as sporting events, excursions, career and study opportunities. The iGroup teachers monitor student attendance and that study packages are on track for completion. They also ensure that students' personal details are updated. They are the first port of call for students who are experiencing difficulties.

Student Year Meetings occur regularly and are a forum for guest speakers, presentations and the acknowledgment of student achievements. The meetings are run by members of the Student Leadership Group (SLG).

## Choosing Your Courses

The best guides to course selection at college are your interests and successes to date. Most students coming to the College have not yet decided on a career. Even those who have strong ideas need to keep their

options open. Things change in the work force, at universities and in the lives of students. Some students will need to include specific subjects based on tertiary prerequisites and students can check this through Student Services or Careers.

Students are expected to enrol in 5 subjects at the beginning of Year 11. Not all courses need to be studied with an eye for getting into a particular career or course. There are other reasons such as learning something new and following up on an interest. Students who embark with enthusiasm and readiness to work at their best usually find that most subjects are enjoyable. That's not to say that schoolwork is always easy or fun!

### *Application for University Entrance*

Application for places in all public universities in NSW and ACT is made through the University Admission Centre (UAC). Entry to particular courses is competitive and offers of a place are made on the basis of a ranking called the Australian Tertiary Admission Rank (ATAR). When each course quota is filled and the cut-off is established, no other applications are accepted. Students must accept an offer of a place by the due date otherwise the offer will lapse.

The UAC Guide, which contains course information cut-offs from previous years and application procedures, is issued to students in August of their final year. Information sessions on course selection and application procedures are run by the College to help students with their applications.

For states other than NSW and ACT, students must obtain the application forms and cut-off information from the relevant admission centres. For addresses and contact numbers, refer to the UAC Guide or the Careers Office at the college.

### *Prerequisite Subjects for University Entrance*

As well as meeting the ATAR cut-off, some tertiary courses require students to have studied certain subjects or gained a minimum standard of attainment in Year 11 and 12. This is referred to as prerequisite

study or assumed knowledge. Details of courses requiring this knowledge and achievement levels are in the UAC Guide. This information is also available in the Year 10 guide, University Entry Requirements for 2015, distributed to all high schools. Both publications are available on the web at <http://www.uac.edu.au>. Press 'Schoolink' and then press the link 'University Requirements 2015 - Year 10 Booklets'.

### *Special Entrance Requirements for University Entrance and CIT*

Some University and CIT courses such as Art, Drama, Music and Design, require students to have relevant skills, experience and folios of work in addition to obtaining a Year 12 Certificate. Students may be required to attend interviews, auditions and special testing as part of the application for each course. The UAC Year 10 Booklet and the UAC Guide contain information detailing these requirements. The Student Services/Careers Advisors can provide current information for any course.

### *Scholarships and Cadetships for University Entrance*

Students requiring financial assistance to undertake tertiary study should consider applying for a cadetship or scholarship. These are advertised in the major metropolitan newspapers and application is made directly to each university or industry group. An offer of assistance is based on academic achievement and cadetship applicants are required to sit a test and have an interview. Details are available from the Student Services and Careers Advisors.

### *Application to the Canberra Institute of Technology (CIT)*

Applications for places in higher level courses such as Advanced Diploma and Diploma courses are made by postal enrolments in response to newspaper advertisements. A Year 12 Certificate is required and attendance at Information Sessions run by CIT (again advertised in newspapers) is essential for some courses. Students wishing to enter a Certificate Course will need a Year 10 Certificate and should apply directly to CIT in person. Sessions are run to assist students with course information and their applications.

### *Australian School Based Apprenticeships (ASBAs)*

An Australian School Based Apprenticeship (ASBA) is a system of training to help students gain entry into their chosen industry. Students are able to enter into a traineeship on a part time basis whilst remaining at school. ASBAs are available in a number of industries. Students can consult the staff in the Careers Office about these.

### *Apprenticeships and Traineeships*

Students looking for on-the-job training should consider an apprenticeship or traineeship to develop personal work skills and job specific skills. Employers offering these training programs advertise in the daily newspapers and are listed at Centrelink and with private providers. Information is available from Student Services/ Careers Advisors.

### *Early Exit Program – Students studying for a Year 12 Certificate*

Students who have gained 17 standard units for an Accredited package by the end of their third semester or middle of their fourth semester may apply to be released from the College ahead of other Year 12 students. Having qualified for a Year 12 Certificate, these students may then decide to enter the next stage of their career studying at CIT or commencing full time work. Early Exit Program students are invited to the Year 12 Graduation, Year 12 Breakfast and Formal.

## **Certificate Requirements**

The following five documents are available which report studies undertaken at the Canberra College.

### *Year 12 Certificate*

This Certificate is issued at the end of Year 12 showing results obtained in all units completed. It is issued by the ACT Board of Senior Secondary Studies. To receive this certificate at the end of Year 12, students must satisfactorily complete 17 standard units with at least three accredited minors from different course areas in their package. (See Glossary)

### ATAR Statement

Students who wish to go on to tertiary study will also be given this statement which shows each student's ranking compared to all other students in the ACT, plus an Aggregate Score. It is issued by the ACT Board of Senior Secondary Studies.

This statement entitles those who qualify for it to be considered for admission by Australian tertiary institutions. The ATAR shows the University Admission Rank compared to all other students in the ACT, which is the criterion used for tertiary entrance, and the Aggregate Score which is the score from which the University Admission Rank is derived.

To receive this statement students must complete a study program from A, T, H, M, C, E, R and V Courses (see Glossary) which accrue a minimum of 20 standard units. There must be at least 18 T & A standard units and these must be arranged into courses to form either:

- five major courses
- four major courses and one minor course
- three major courses and three minor courses (of these, at least three major and one minor must be T courses)
- in addition, students must sit the ACT Scaling Test (AST).

### Australian Qualifications Framework – Cert I and Cert II

Students who successfully complete Vocational Courses (V Courses), including participation in Structured Work Placements where applicable ('on the job training') will be granted a nationally recognised Certificate I or Certificate II under the Australian Qualifications Framework.

## Employment Pathways

The College provides Vocational Education and Training, which is responsive to the changing needs of students in today's workforce. Students can select work based programs which are designed to articulate into further study and assist students to obtain employment upon graduation. The courses have been developed in partnership with industry, unions and employers.

As a nationally accredited Registered Training Organisation (RTO), the College is able to provide structured work-based training which has been approved at a national level. Students are able to graduate with full or partial VET qualifications that are recognised across Australia.

### Vocational Education Involves:

- Courses that are developed for students to meet the needs and standards of local industry (employers)
- Courses which are competency based; students demonstrate their skills in a workplace environment
- Courses which may have a period of on-the-job training with an employer

### Students who undertake Vocational (V) Courses

- Gain practical work related skills that employers recognise
- Gain credit transfer and/or advanced standing into other training courses
- Gain a nationally recognised vocational qualification in addition to the ACT Year 12 Certificate
- Make valuable contacts with employers
- Try out a possible career before finishing Year 12
- Prepare themselves for the world of work



## An Overview of Certification

### Year 12 Certificate

- requires at least 17 Standard Units  
can be A, T, H, M, C, E, R or V
- Including at least 3 minors
- Suitable for entry into CIT,  
Traineeships, Workforce &  
New Apprenticeship

### University entrance needs an ATAR which requires

### ACT Scaling Test

20 Standard Units including  
at least 18 A, T, H, M, C, E  
or V standard units.

This could be 5 Majors OR  
4 Majors and 1 Minor OR  
3 Majors and 3 Minors

Including at least  
3 T majors and  
1 T minor to satisfy  
ATAR requirements

# Course Selection

## Glossary of Terms

The following table explains terms that apply to courses at the Canberra College.

### *Accredited (A) Course*

An 'A' course provides a general education and is designed to meet the needs of students studying in Years 11 and 12. It does not contribute to a student's ATAR calculation.

### *Competency based (C) Course*

A 'C' Course provides vocational education but can't contribute to ATAR calculation. Only one 'C' or 'E' course can be included in the minimum requirements for Year 12 certification.

### *Vocational (E) Course*

'E' classification is given to a Board registered course, Vocational program Industry 1, which leads to a nationally recognised vocational qualification (Certificate or Statement of Attainment) and is delivered by an external Registered Training Organisation. Only one 'C' or 'E' course can be included in the requirements for Year 12 certification.

### *Higher education (H) Course*

An 'H' course is designed and accredited by an Australian higher education provider. On successful completion of the course, students will be given recognition towards an undergraduate degree with that provider.

### *Modified (M) Course*

An 'M' course provides appropriate educational experiences for students with specific disabilities.

### *Registered (R) Unit/Course*

An 'R' course is designed to provide learning experiences in personal development, recreational, community and work related activities.

### *Tertiary accredited (T) Course*

A 'T' course provides the study skills and knowledge considered necessary for higher education and further study. Scores obtained in a designated number of 'T' courses are used to calculate a student's ATAR.

### *Vocational (V) Course*

These courses are industry approved and will give advanced standing in some CIT and TAFE courses. Students can gain a nationally recognised Certificate I or Certificate II if the course is fully completed.

### *Major Course*

A minimum of three and a half semester units is required for a major course.

### *Double Major*

A minimum of seven semester units is required for a double major course.

### *Major/Minor*

A minimum of five and a half semester units is required for a major/minor course.

### *Minor Course*

A minimum of two semester units or equivalent is required for a minor course.

### *Half Semester Unit (Quadrimester)*

A half semester unit has a value of 0.5.

### *Semester Unit*

A standard semester unit has a value of 1.0.

### *ACT Scaling Test (AST)*

The ACT Scaling Test is a test designed to obtain information about students' aptitude for study at post-secondary level. It measures quantitative and verbal reasoning through multiple choice components, a short response test and an extended written response to a set topic. The results are used by the BSSS to scale course scores and thus provide parity between colleges and courses.

### *Australian Tertiary Admission Rank (ATAR)*

ATAR is a percentile rank which compares the performance of one student with other Year 12 students. It is used as the basis for entrance to universities.

## Package Planner

You may find it useful to fill in this sheet in order to get a clear picture of which subjects you should choose for Years 11 and 12. Fill it out in pencil so that you can make changes easily.

My goals at college are:.....  
 .....

My career goal is: .....  
 .....

To reach my career goal I need a :  Yr 12 Certificate only  
 Tertiary package

Therefore, my study package should be something like this .....

<b>Year 11</b>	<b>Subject 1</b>	<b>Subject 2</b>	<b>Subject 3</b>	<b>Subject4</b>	<b>Subject 5</b>	<b>Subject 6*</b>
<i>Semester 1</i>						
<i>Semester 2</i>						
<b>Year 12</b>	<b>Subject 1</b>	<b>Subject 2</b>	<b>Subject 3</b>	<b>Subject4</b>	<b>Subject 5</b>	<b>Subject 6*</b>
<i>Semester 1</i>						
<i>Semester 2</i>						

\* 5 subjects per semester is a minimum

### Checklist

In my package, have I selected courses I will enjoy and do well in?.....

How many 'T' courses have I chosen?.....

How many 'A' courses have I chosen?.....

I will have majors in: .....

I will have minors in: .....



## Courses Offered in 2015

### Arts

Art (T/A/IB)  
 Ceramics (T/A/IB)  
 Certificate II Live Production, Theatre and Events (C)  
 Dance (T/A)  
 Drama (T/A/IB)  
 Jazz (T)  
 Media (T/A)  
 Certificate II in Creative Industries (Media)  
 Music (T/A)  
 Music Industry (C)  
 Photography (T/A/IB)

### Commerce, Library & Social Sciences

Accounting (T/A)  
 Business Administration (A/V)  
 Business (T/A)  
 Social and Community Work (A/V)  
 Economics (T/IB)  
 Legal Studies (T/A)  
 Global Studies (T/A)  
 Psychology (T/A/IB)  
 Sociology (T/A)

### Humanities

English (T/IB)  
 English for Academic Purposes (T)  
 Essential English (A) (Australian Curriculum)  
 ESL (English as a Second Language) (T/A)  
 History (T/A/IB)  
 Ancient History (T/A) ( Australian Curriculum)  
 Modern History (T/A) ( Australian Curriculum)  
 Theory of Knowledge (T)

### Hospitality & Food Studies

Food and People (A)  
 Food Science & Management (T)  
 Hospitality Studies (A/V)  
 Tourism Studies (A/V/T)

### Special Programs

**Big Picture**

**Futures**

**CC Cares**

### IT

Information Technology (T/A/V)  
 IT - Network Stream (A/T/V)  
 IT - Applications Stream (A/T/V)  
 IT - Programming Stream (T/V)

### Languages

Chinese (T)  
 French (T/IB)  
 German (T/IB)  
 Italian (T)  
 Japanese (T/IB) (Others IB by negotiation)

### Mathematics

General Mathematics (A)  
 Mathematical Applications (T)  
 Mathematical Methods (T/IB)  
 Maths Studies (IB)  
 Specialist Mathematics (T/IB)  
 Maths SL (IB)  
 Maths HL (IB)

### Physical Education

Exercise Science (T/A)  
 Outdoor Education (A)  
 Physical Education (A)  
 Sport (R)  
 Sports Development (A)  
 Sports Studies (T/A)  
 Sports Science (T/A)

### Sciences

Biology (T/A/IB)  
 Chemistry (T/IB)  
 Environmental Systems and Societies (IB)  
 Science (A)  
 Physics (T/IB)  
 Pre-Med (R)

### Technology

Automotive Technology (A)  
 Design & Graphics (T/A)  
 Textiles & Fashion (A/V/M)  
 Furniture Construction (A)  
 Metal Engineering (A)  
 CAD & 3D Animation (T/A)

Key: A = Accredited Course, T = Tertiary Course, V = Vocational Course, C = Competency Based, M = Modified, IB = International Baccalaureate Course, R = Registered Unit.

# Assessment & Certification

## Assessment

Assessment in all courses at Canberra College is internal, continuous and cumulative. There are no external examinations. Student performance over a range of assessment tasks is taken into account when arriving at unit grades and course scores (for T courses) completed at minor, major, major/minor and double major level.

The assessment instruments used vary from course to course and sometimes from unit to unit. They are defined in course frameworks and fully described in course documents approved at the time of accreditation.

## Course outlines

Course Outlines are available in the College library or from the Executive Teachers in each faculty. The written Course Outline describes:

- the objectives of the course
- the content of the course
- the criteria for the course
- the course score calculations
- moderating and scaling procedures

Typical assessment methods include written tests, oral presentations, essays and assignments, research work, reports, practical work and other measures appropriate to the material being studied. In some units, assessments may be based partly on material encountered during excursions. Detailed copies of all college courses, accredited by the BSSS, are available from the college as well as on line from the BSSS website.

## Unit Outlines

At the beginning of each unit, every student receives a copy of the Unit Outline which describes:

- the unit objectives
- the unit content
- attendance requirements
- the assessment tasks and the due dates
- grade descriptors

## Unit Grades

For every successfully completed T or A unit, students are awarded an A-E grade for that unit, with A being the highest grade. In some courses, such as Registered courses (R), students receive P (pass) grades. Students are advised of the criteria for grades at the beginning of each unit.

The ACT Board of Senior Secondary Studies provides a set of grade descriptors for each course studied. These grades are used by all colleges in the ACT system and appear on the ACT Year 12 Certificate.

The grade descriptors have been based on the following models.

- A. Awarded to those students who have very high achievement in all aspects of the unit of study. They understand the most difficult ideas of the unit, demonstrate initiative, can identify and solve problems and are able to communicate their ideas clearly.
- B. Awarded to those students who have achieved a high level of understanding in the unit studied and are able to apply the skills learned in the unit to a wide range of problems.
- C. Awarded to those students who understand most of the important ideas and have learned many of the skills covered in the unit to a level which would allow them to continue appropriate study in the area or to carry out work requiring these skills.
- D. Awarded to those students who know the basic terminology of the area of study, have learned some of the skills and understand some of the important ideas covered in the unit.
- E. Awarded to those students who although having met the requirements for attendance and completion of work, have learned few of the skills covered by the unit.

To complete a unit satisfactorily, students must comply with the College's expectations with regard to attendance and with the requirements for completion of work in that unit. Students who do not comply with these requirements will not be assessed and receive a void (V) grade.

## Appeals

Students have rights of appeal at every stage of the assessment process: against the procedures by which marks are given as the result of individual assessment tasks, against unit grades and scores or course scores. Detailed advice about appeals and appeal procedures is available from the ACT Board of Senior Secondary Studies website. They are also available from the Assessment Coordinator or from the Student Assessment Handbook and iGroup teachers.

## Breaches of Academic Discipline

Since college assessments are used for a number of public purposes, it is essential that their integrity be maintained. Attempts to subvert that integrity by any form of dishonest dealing or misrepresentation with respect to any part of the assessment process, including any form of plagiarism, are regarded very seriously by both the College and the Board of Senior Secondary Studies. A copy of the Departmental plagiarism policy is available on request.

## Recognition

Recognition may be awarded in specified units where a student has studied work deemed by the College to be the equivalent of Year 11 or 12 studies in units offered by the College.

## Status

The College may award status in specified units when a student is unable to complete work because of illness or misadventure. Status is awarded in these circumstances only if a student has completed insufficient assessment in a unit to justify the award of a grade on the A to E scale.

## Variation to Assessment

Variation to Assessment is the process by which allowance may be made to vary normal assessment procedures for a student who, as a result of misadventure or illness, has been disadvantaged in terms of assessment for part of a semester unit.

Any claim for variation to assessment must be supported by a medical certificate and/or by a recommendation from the College Counsellor.

## ACT Scaling Test (AST)

All Year 12 students who require an aggregate score and percentile ranking for tertiary entrance must sit for the ACT Scaling Test. The ACT Scaling Test is used to scale the students' course scores including the best three tertiary majors and 0.6 of the next best tertiary course score and these are combined to form the students' Aggregate Scores. The Australian Tertiary Admission Rank (ATAR) is a percentile ranking calculated from the Aggregate Scores. Since individual and college results depend on the students' performance in the AST, students are expected to attend every AST practice and preparation session offered.



# Additional Programs

Canberra College offers access to a wide range of special programs including:

- [IB Diploma Programme](#)
- Nationally Certified Vocational Education and ASBAs
- [ANU Secondary College](#) (*NB This program may change name in 2014*)
- [Big Picture](#)
- Pre-Med Program
- Sports Academy
- [CCCaeres](#)

## International Baccalaureate (IB) Diploma Programme

This is an internationally recognised program. Students receive the IB Diploma or Certificate on completion of the academic and community requirements of the course, which are detailed under the IB DIPLOMA section of the handbook.

The key purpose of the program is to develop students into critical thinkers and global citizens who are committed to improving society.

Students studying the IB Diploma will receive two separate ATARS; one for their ACT year 12 Certificate studies and one from the IBO on completion of all assessments and examination at the end of year 12. The higher of the scores is counted for admittance to further studies in Australian tertiary institutions. Further information can be accessed on the URL <http://www.ibo.org>

## Registered Training Organisation – Vocational Education

The College has Registered Training Organisation (RTO) status. RTO status allows us to offer and deliver vocational education courses and services and issue nationally recognised qualifications through the BSSS (the Board of Senior Secondary Studies).

The College offers a comprehensive vocational education program. Training packages may be offered from the list below:

[Business Administration](#) (see Commerce and Legal Studies)

[Community Services](#) (see Community Services)

[Hospitality](#) (see Hospitality & Food Studies)

[Information Technology](#) (see Information Technology)

[Music Industry](#) (see Arts)

[Tourism](#) (see Tourism Studies)

Please consult Faculty Areas in the table of contents for information about these vocational courses.

Vocational Education provides students with the relevant industry skills and knowledge to gain certification for articulation into CIT courses or directly into further employment.

The structure of the course is as follows:

Students complete a year 11/12 package at Tertiary/ Accredited level, adding their vocational studies to help them complete gain a year 12 qualification. Students successfully undertaking vocational studies will:

- be deemed competent against a National Training Package and receive a nationally recognised certificate.
- often be required to complete a Structured Work Placements, as part of the National Training Package that they are enrolled in.

## Vocational Education

The Canberra College has developed a comprehensive vocational education curriculum in order to provide students with the relevant skills, knowledge and attitudes necessary for their entry into employment, training and further education.

Vocational education and training (VET) is a term used to describe education and training arrangements designed to prepare people for work or to improve the knowledge and skills of people who are already working. It also describes one of the three major sectors of education and training, the other two being school and higher education sectors.

VET programs offer students a wide range of educational experiences directly involved with work and career opportunities. These can range from Certificate 1 through six levels of the Australian Qualifications Framework, to Advanced Diplomas.

### *Recognition of Prior Learning*

If a student has experience that may be relevant to a vocational course that they intend to enrol in, they are entitled to seek acknowledgement of this experience through the 'Recognition of Prior Learning', known as 'RPL'.

If you apply for RPL you will be asked to supply evidence to support your application. This evidence may include examples of relevant life experiences, work experiences, details of study or training, and references from people who can confirm your claim. You will be given guidance about the collection of evidence as well as an Information Kit. RPL can only be given to a whole unit of Competency and therefore you must address all the elements and criteria in the document provided by the teacher.

Your application will be considered by teachers at the College and you will probably be asked to come for an interview to give you an opportunity to itemise your experiences and skills and relate them to the course.

If your application is successful, it will mean that you will be exempt from parts of the course, and you may be able to complete the vocational aspects of your course in a shorter time.

RPL is available to all students who enrol in a vocational course at the College.

### *Credit Transfer for Students*

Students with vocational qualifications from the Canberra College are entitled to Credit Transfer in relevant courses to other Registered Training Organisations (RTOs). Credit Transfer ensures that students do not need to repeat training for competencies that they have already achieved. Students can therefore save themselves course fees and training time. This also ensures that replication of certification will not occur.

Students will usually need to produce their vocational certificate in order for credit transfer to be arranged.

Australian School Based Apprenticeships (ASBA) An

Australian School Based Apprenticeship opens a lot of new doors for students and business. Year 11 and 12 students can spend up to two full days per week on-the-job and complete their Year 12 Certificate along with a nationally recognised certificate (usually a Certificate II). Apprenticeships are flexible, offering both the student and the employer many options for completion of on-the-job training. It is a mutual agreement between the trainee and the employer. The College has access to a wide range of employee networks within the ACT and can assist in the facilitation of Australian School Based Apprenticeships

ASBA features include:

- a Training Contract which links to an industrial award or agreement, signed by an employer and the student in employment based training (if the student is under 18 parent/guardian signature is required)
- the training component is undertaken by a Registered Training Organisation (RTO), such as the school/college or by another public or private training provider, eg: CIT
- attainment of a senior secondary certificate and a VET qualification as part of the student's Year 12 package
- attendance at school/college, work and training

### *Nationally Recognised Qualifications*

- Certificate II ASBA Training Contract consists of a minimum of 11 hours per week with a minimum of 8 hours per week on the job training and a minimum of 3 hours off the job structured training (Theory)
- Cert III min 15 hours – this is broken into 12 hours on the job training and 3 hours of structured off the job training (Theory)

### *Why you should consider an ASBA*

- You gain a nationally recognised qualification at the appropriate certificate level
- It makes you stand out from a crowd
- It gives you valuable on the job experience and work contacts
- It contributes to further training in your chosen industry area
- In many cases it can lead to full time employment – traineeships/apprentices after you leave college
- You get credit towards your ACT Year 12 Certificate
- You get paid a national training wage

ASBAs are available in a wide variety of industries including:

Animal Studies	Horticulture
Panel Beating	Hospitality
Building & Construction	IT
Business Administration	Library
Desktop Publishing	Multimedia
Electro-Technology	Music
Engineering	Pharmacy
Floristry	Retail
Hairdressing	Sports Administration

## ANU Extension

The ANU Extension Program provides students with a taste of the university learning experience, and an opportunity to study courses using facilities and staff located on the ANU campus. Courses are developed and delivered by ACT college teachers and ANU staff. Students who successfully complete the program will gain credit towards their studies at ANU in each of the subject areas completed. Completed units will also be listed on the Year 12 Certificate and a completed program can be counted towards the ATAR.

Classes have been offered in Mathematics, Physics, Conservation Biology, Chemistry, Astro Physics & Engineering and Japanese. Under current arrangements, when completed, the course presented at ANU will be equivalent to a Minor. In the case of Mathematics, the result for the ANU course will be merged with results from a Major-Minor at the student's home college to form a Double Major. For Chemistry, Physics, Biology and Japanese students will complete a Major in the home college and a Minor at ANU.

All students in Year 10 (2014) with a confirmed enrolment at an ACT Government secondary College for 2015 and who intend to study at least one of the subjects offered, at the highest level when they enrol at the college, will be able to apply. Students must normally have studied the subject at the highest level available at their current high school and achieved 'A' grades or equivalent standard. Students may apply at the end of their Year 10 studies on linet. Students are selected in Term One and classes start in Term Two.

## Big Picture

Enrolling in a Big Picture Education Package is an important step in a style of lifelong learning and enquiry that focuses on problem solving, individualised learning programs and working in an authentic real world model. "All the components that make up the student's learning experience - the curriculum; the learning environment; the use of time during the school day; the choice of workshops or college classes; the focus and depth of investigation through the Big Picture learning goals - is developed based on the student's individual interests, talents, and needs".

<http://www.bigpicture.org>

An LTI (Learning through Internship) allows students to explore their interests in real world setting with an expert mentor to guide them. Students are linked carefully from the school to internship and an ILP (Individual Learning Plan) by an advisory teacher who works with them as an individual to set their goals each semester. Students are supported by a literacy class and a numeracy class and all classes have a maximum of 15 students. The learning goals in all classes are focused on skills that support the projects and tasks that are undertaken on the internship, with a mentor.

These learning goals are based on knowledge of self and individual aspirations or personal qualities. Students will be required to use real world strategies to communicate in a variety of forums and using a range of strategies including technology, writing speaking and listening. They will present work to a panel and will demonstrate how they conducted their study project at the internship. This will involve using empirical and quantitative reasoning; using mathematical and scientific thinking in the real world. The study, related to their interest is based in social reasoning; how do the perspectives of others influence your work in the real world?

Canberra College Big Picture is committed to helping students to gain direction, personalise their learning, connect them with the world beyond school and to ultimately ensure that the post school destination is one that suits them. We can negotiate around CIT placement, potential enrolment in the UPP at the University of Canberra and, of course, direction straight into employment.

## Pre-Med Program

This program helps to prepare students for careers in the health professions. These include careers in nursing, medicine, paramedics, dentistry, physiotherapy, pharmacy and many others. The course delivers professional information and careers advice to support students seeking university, CIT or employment pathways into the health professions.

## Sports Academy

This program caters for competitors, coaches and officials in a range of sports who have the talent, potential, commitment and desire to develop their performance and involvement in a particular sport to a high level.

Entry to the program can be gained by application to the Sports Academy Coordinator and enrolling in the Sports Development Course. Generally, the applicant must be involved in a club and spending time outside of school training, competing and preparing. Students spend 75% of their course time competing in and training for their chosen sport either with the College or with a local club. The remainder of the course includes:

- fitness testing and training principles
- cross-training and coaching certification
- goal setting and career targeting

Participants benefit from the program through:

- access to a local gym
- access to expert advice
- assistance with study programs

## CCCaes

The Canberra College in partnership with ACT Education & Training Directorate, ACT Health and significant government and non-government community agencies, provides an education and support program for pregnant and parenting students and young carers in the ACT and surrounding districts.

CCCaes, endeavours to provide a best practice model for pregnant and parenting students to access education in the ACT. CCCaes offers Year 12 Certification; goal oriented learning packages, on-line learning, vocational education and employability skills within a mainstream ACT Government College context.

In past years the program has also been recognised by numerous awards, including the Australian

Government's National Awards for Quality Schooling, the 2013 ACT VET in Schools Award and in November 2009, the program was recognised for its achievements as the inaugural Schools First National Impact Award winner.

CCCaes provides holistic health, education and welfare support and connections for young people that assist them to optimise their outcomes in our society.

The ACT Government in its commitment to teenage parents has funded the building of a new facility at the Canberra College Woden Campus. The new CCCaes is expected to be completed for the commencement of the school year in 2015.

### CCCaes Program Outline

CCCaes operates from 8.30am until 4.00pm every week day, in an open plan learning environment. We have classrooms, kitchens, playrooms, sleep rooms, change rooms, a medical suite, gymnasium and outside play areas on site. CCCaes offers transportation to students and their children from their homes to school and back again each school day.

CCCaes uses Personalised Learning Plans to:

- develop the social and emotional intelligences needed to become connected to their chosen community
- improve students' literacy, numeracy and IT skills
- work to develop an awareness of local and global issues
- provide a supportive environment which encourages young people to identify and manage their personal circumstances
- design Pathways Plans with young parents to develop the necessary skills and personal strengths they need to become marketable and employable in the future
- to assist our young people to become financially independent

CCCaes works in partnership with a wealth of services and agencies to support our young people.

### Our program offers:

- On-line curriculum
- Vocational Education
- Classroom based learning
- Access to community with the assistance of our community liaison officer
- Take home learning packages

- MACH nurse clinics x 4 each week
- Monthly antenatal nurse visits
- Advocacy and support programs
- Daily transport assistance in our 12 seater buses
- Road Ready - driver training in our dual control vehicle under instruction from our fully qualified driving instructor
- Fit for work program
- Dress for success program
- Adjunct care child-minding model
- Playgroup
- Cooking facilities + lunch and morning tea program
- Emergency food and clothing relief
- Adopt-a grandparent program
- Excursions
- Post-school transition options with assistance given by our employment consultants



# Behavioural Sciences

The Behavioural Sciences area offers T and A courses in Psychology and Sociology.

**Psychology.** The study of Psychology provides a comprehensive understanding of individuals, families and communities. Psychology explores common human experiences both across and within cultures. It promotes objective thinking and evidence based research, drawing on various methods of enquiry as the basis for exploring understanding and interpreting human behaviour. Psychology provides a repertoire of research methodology, analysis and communication skills vital for careers that involve working with people.

**Sociology** focuses on a study of society and social behaviour and questions the 'common-sense' or 'natural' view of social experience.

**Behavioural Studies** is an interdisciplinary course consisting of a combination of units from Sociology and Psychology adding up to a Major, Major/Minor or Double Major.

## Psychology (T/A)

The following are the list of units. These are offered on a rotation.

- *Infancy to Adulthood*
- *Abnormal Psychology*
- *Sensation & Perception*
- *Mental Abilities*
- *Personality*
- *Attitudes and Prejudice*
- *Learning and Memory*

### Excursions—Action Learning/Research

During the course of study students may have the option of participating in four excursions based in action learning principles which are linked to choices in assessment.

These excursions are:

- Taronga Park Zoo, Sydney (day trip)
- Nan Tien Temple, Wollongong (day trip)
- Psychology Skills Camp, Birrigai, ACT (overnight)
- The 'Street Retreat', Sydney (overnight)
- Jewish Museum of Sydney (day trip)

Year 11 Semester 1 students choose *Infancy to Adulthood*.

## Sociology (T/A)

*Units are offered on a rotation*

Sociology encourages students to be creative and critical thinkers, skilled communicators and ethical decision makers, as well informed members of community and global culture.

There is a strong emphasis on discussion and class interaction. Content includes the theoretical principles of sociology, local and global case studies presented through lectures, seminars, case studies, media, guest speakers, excursions, surveys and individual projects.

Units may be selected from the following areas and are offered on rotation. It is also possible to combine majors in Sociology and Psychology to form a Behavioural Science Major or Double major (*requires approval from Student Services or SLC Class Faculty*).

### List of Units

- *Sociology and Power*
- *Sociology of Roles and Relationships*
- *Sociology of Religion*
- *Sociology of Health and Medicine*
- *Sociology of Media, Youth and Culture*

Year 11 Term 1 students choose *Sociology and Power*.

# Commerce & Legal Studies

These courses aim to develop the student's understanding and appreciation of the role of businesses, consumers and governments in the contemporary Australian economy. All courses aim to provide students with the opportunity to develop their analytical, oral and written communication skills. All students studying these courses will be encouraged to examine potential employment, self employment and further study opportunities.

## Accounting (T/A)

Accounting is an information system, providing financial information about a business organisation. It provides the basis for effective and efficient decision-making in any business. This course will prepare students for a career in business, including particular vocations in the accounting area, and will form a basis for tertiary study. Students will be equipped to play a more effective part in their community, in business, and in sporting and social groups.

The first unit is compulsory and the following three units must be studied in sequential order. It is strongly recommended that the students complete the final standard unit if they intend to study accounting at a tertiary institution.

### List of Units

- *The Accounting Purpose and Process*
- *Recording Information and Procedures*
- *Measuring Profit and Cash Flow*
- *Analysis of Business Decisions*

Accounting (T/A) is available as a Minor, Major and some units may be combined with some units from Economics or Business to form a Commerce Major.

It is recommended that a student begin with *The Accounting Purpose and Practice* unit, later unit choices can be *Recording Information and Procedures*, *Measuring Profit and Cash Flow* and *Accounting Controls*

## Business (T/A)

A study of business enables students to appreciate and experience the wide range of occupations that are available in the business world. The course also encourages students to consider creating their own employment and to develop an entrepreneurial attitude to their future. Each of the four units provides an opportunity to study potential business opportunities in the Australian economy, the expanding opportunities for export in the global economy.

This course provides an excellent background for any business/commerce course at university or another tertiary institution, as well as preparing students for the workforce.

### List of Units

- *Small Business and Globalisation*
- *Marketing & Business Management*
- *Economics and Industrial Relations*
- *Financial Management & the Business Plan*

Year 11 Semester 1 students choose *Small Business and Globalisation*. Later units are *Marketing and Business Management*, *Economics and Industrial Relations* and *Financial Management and the Business Plan*.

## Business Administration (A/V)

This course provides students with the relevant skills, knowledge and attitude required for entry into further employment, training, or education in the office and clerical field. Students can gain a nationally recognised vocational Certificate II in Business. Structured work placements and ASBA (Australian School Based Apprenticeship) opportunities will be provided through contact with local businesses and companies.

### List of Units

- *Working in Business Administration 1*
- *Working in Business Administration 2*
- *Working in Business Administration 3*
- *Working in Business Administration 4*

## Economics (T)

The Economics course is primarily concerned with economic literacy, which involves understanding the economic forces which underlie major political and social issues. By studying Economics, students will be better equipped to make considered judgements as workers, consumers, taxpayers and voters.

Emphasis is placed on developing a continuing interest in and an understanding of, the contemporary economic problems facing Australia and the world, such as inflation, high interest rates, unemployment, balance of payments, economic growth and development, environmental issues and globalisation.

### List of Units

- *Introduction to Economics*
- *Theory of the Firm and Market Failure*
- *Development and Trade Economics*
- *Macro Economics-Theories and Issues*

Year 11 Semester 1 students choose *Introduction to Economics*. Later units are *Macro Economics-Theories and Issues*, *Development and Trade Economics* and *Theory of the Firm and Market Failure*.

## Commerce (T/A)

This is an interdisciplinary course. A minimum of a minor in each of Accounting, Business or Economics can be combined to form a commerce Major, Major/Minor or Double Major. There are specific requirements of students seeking to undertake Commerce as a course and it is a requirement that prospective students seek advice from the faculty.

## Legal Studies (T/A)

These units aim to give the student an understanding of law, legal institutions, legal processes and legal reasoning. The emphasis in the course is on rights, responsibilities and reasoning in the context of Australian society. The course aims to provide students with the opportunity to develop their analytical, oral and written communication skills.

### List of Units

- *Legal Systems & Australian Law*
- *Human Rights & Family Law*
- *Crime & Justice*
- *Consumer Law and Torts*

### Course Patterns

- The units are not sequential. However, students are advised to study *Legal Systems and Australian Law* — as an overview before taking other units
- Flexible entry and exit points are provided.
- Students who intend to continue the study of Law or related courses at a tertiary institution are strongly recommended to complete a Major in this course
- Students may begin study in a T unit and, may continue in an A level to complete the Legal Studies A course.

### Suggested Implementation Patterns

These suggestions apply for both T and A Courses:

In Year 11 it is recommended that the following sequence of units is studied: Sem 1: *Legal Systems & Australian Law* and Sem 2: *Crime & Justice*

In Year 12 it is recommended that students choose from the following units: Sem 3: *Human Rights & Family Law* and Sem 4: *Consumer Law and Torts*



**EMMA HODGES**, *Just another Day for the Rich*, 2013.  
Gouache and gold acrylic on paper, 297 x 420 cm

# Community Services

## Social and Community Work (A/V)

Community Services at the Canberra College introduces students to all of the following: an overview of the community services sector, childcare, aged care and disability and youth work.

This course is suitable for T/A/V students interested in health issues. It provides a great career pathway to the CIT. It is an excellent introduction for students interested in areas of health such as medicine, nursing, physiotherapy or occupational therapy.

The course is meant to stimulate personal and social awareness to encourage self care and practical abilities in the areas described.

Students who are deemed competent in the relevant units of competency, and who complete one or more Structured Workplace Learning units in the specialist area (eg. Aged Care, Child Care or Disability Care), will be awarded a Certificate II in Community Services which is a nationally recognised vocational qualification.

All units are one semester in length and all units have early exit and late entry at the end/beginning of each term.

ASBAs (Australian School Based Apprenticeships) in areas such as childcare, aged care and disability are available in this course of study.

### List of Units

- *Understanding Community Services*
- *Disability and Aged Care Work*
- *Children's Play*
- *Issues in Youth Work*

Please note that students may enrol in Social and Community Work without any prior knowledge or experience and may complete the units as part of a Year 12 Certificate without doing the vocational placements.



MATTHEW KWAN, 2013, *Digital Photograph*

# Dance

## Dance (T/A)

Dance Studies (T) is designed to cater for students interested in pursuing a career or tertiary study in Dance. It is also designed to cater for students who are aiming at tertiary studies in dance related areas, such as performing arts, community arts and dance therapy.

Dance classes are held in our new dance studio in CCPAC.

As part of this course, it is expected that students will perform in the Youth Dance Festivals and give dance performances at various venues. Dance students also perform at Canberra College events such as Open Night and Year 12 Graduation.

Dance Studies (A) is designed to cater for those students with a keen interest in dance who would like to develop their skills in a variety of dance styles. It is aimed at those students with a view to progressing to the Dance Studies (T) Course or courses run in the community, as well as those students who value dance as an art form and as a medium for enjoyment and personal development. It is also designed for those students aiming at tertiary study where a background in dance is seen as an advantage, such as performing arts, teaching, community arts and dance therapy.

**PLEASE NOTE:** The content of the T and A Courses is similar, but the depth of analysis and conceptual understanding in both the theory and practical work expected of students studying the T Course is greater.

### List of Units

- *Dance – Foundations*
- *Dance and the Media*
- *Dance – History*
- *Dance in the Community*
- *Contemporary Dance*
- *Dance Studies – Self Directed*
- *Dance Studies (T) only*

- *Dance – Theatrical Styles*
- *Dance in Our Time*
- *World Dance*
- *Dance in Australia*
- *Dance – Production*

### Course Patterns

This course is non-sequential. These units are usually studied as semester length units (value one standard unit). Studying them as half units may also be an option.

Minor	Students must include Dance — Foundations OR Dance History
Major	Students must include Dance — Foundation AND / OR Dance History
Major/Minor	Students must include Dance — Foundation AND / OR Dance History
Double Major	Students must include Dance — Foundation AND / OR Dance History

### Prerequisites

It is recommended that those students wanting to do **Dance Studies (T)** have some previous dance experience. All students are expected to have a strong interest in dance and a commitment to Dance as a valid subject area.

It is recommended that those students wanting to do **Dance Studies (A)** have some previous dance experience.

All students are expected to have a strong interest in dance.

Year 11 Semester 1 students choose either *Dance Foundations* or *Dance History*.



in

# Drama

## Drama (T/A)

The Drama Course develops students' skills in all areas of performance such as acting, directing, playwriting, improvisation and technical theatre. Reading, writing, speaking and listening are fundamental to this course. Drama students taking the course at a T level are prepared for general tertiary study as well as specialised drama study. Both Drama T and Drama A challenge students and support them to develop self confidence and theatre skills that will allow them to pursue theatre careers and acting in both a professional and non-professional capacity. There is ample opportunity for involvement in college drama productions which are performed locally at the college, and are toured interstate to festivals such as the Adelaide Fringe Festival. Drama students are also encouraged to access live theatre in and around the Canberra region.

Drama students are involved in annual trips to Sydney and Adelaide to participate in practical performance workshops and to attend the Adelaide Fringe Festival and WomAdelaide.

The course revolves around a strong commitment to performance and students have the opportunity to work both in the new professional college theatre, CCPAC drama studio and in other venues within the community.

In Drama, the A and T units are differentiated through the design of appropriate assessment tasks that are weighted to the requirements of the *Performing Arts Framework*.

### List of Units

- *Actor and Director*
- *Modern and Classical Tragedy*
- *Comedy*
- *Dramaturgy In Action*
- *Devised Theatre*
- *Political Theatre*
- *Australian Theatre*
- *Sound and Light Design*
- *Design for the Stage*
- *Theatre Flashpoints*

- *The Director*
- *Theatre Production and Performance*
- *Dramatic Explorations*
- *Independent Study Unit (T Unit only)*
- *Taking it to the Stage*
- *Theatre around the World*
- *Masked Performance*
- *Theatre for Young People*
- *Performing Shakespeare*
- *Voice and Movement*
- *Realism versus Expressionism*
- *Ensemble Production*
- *Experimental Theatre*
- *Community Theatre*
- *The Golden Ages of Classic Theatre*

### Course Patterns

One Drama, one Media or one Theory of Knowledge standard unit may be included in an English T Major or Major/Minor; or one unit from two of these courses in a Double Major.

Year 11 Semester 1 students are encouraged to choose either *Dramatic Explorations* (T) or *Dramatic Explorations* (A) depending on their package needs. (Not compulsory)

## Certificate II Live Production, Theatre and Events

This course is designed for students interested in working behind the scenes in live production and theatre. While developing a broad range of current technical industry skills students will develop employability skills including: team work, customer service, communication, organisational skills, problem solving and risk management skills. The course covers an understanding of lighting, sound and stage management. Students will learn how to record and operate lighting cues using standard and advanced techniques, and how to repair and maintain lighting equipment. Students will also undertake studies in sound, including selecting and managing microphones and other input sources, mixing live audio and the installation, repair and maintenance of audio equipment.

# English

**NB. In 2015 the content and unit names in English may vary from below. The English course may include the Australian Curriculum content.**

Both T and A courses are offered in English. Each course aims to develop critical thinking, problem solving, literacy and communications skills of all students. Individual course and unit counselling is a key factor in the teaching of English at the Canberra College so that students are offered advice on choosing a balanced course and one that fits their individual interests.

## English (T)

The English (T) course offers a wide range of semester units, allowing for students' choice and interests. Students entering Year 11 will enrol in an introductory unit, which supports and consolidates the development of skills in essay writing and literary analysis.

For Semester 2, students will be able to choose from units offering a wide range of genres. These units will enable them to explore and enhance their own literary and cultural heritage, and further develop their written and oral communication skills.

### Course Patterns

One Drama, one Media or one Theory of Knowledge standard unit may be included in a T Major or Major/Minor or one unit from two of these courses in a Double Major.

English (T) is available as a Minor, Major, Major/Minor and Double Major.

In Semester 1, Year 11 students choose one of the introductory units below:

Students who choose Responding to Literature 1 have essay writing skills which may need refinement.

Students who choose Responding to Literature 2 should be proficient or have advanced skills in essay writing.

### English Assessment Tasks

There are three main task types set in English units and these are: Responding, Creating and Investigating. The assessment items assigned within these categories may be oral, written or creative in nature.

#### *Responding to Literature 1*

This unit is suitable for students who need further practice to improve their essay writing and literary analysis skills.

Various forms of literature will be studied. These include novel, drama, poetry, short stories, and films as well as everyday texts such as newspapers and magazine articles.

#### *Responding to Literature 2*

This unit is recommended for students who are already competent in essay writing and literary analysis skills.

Various forms of literature will be studied. These include novels, drama, poetry, short stories and film.

*In semester 2, all units may be combined Year 11 and 12 classes.*

### Year 12 and Semester 2 – List of Units

- *Aboriginal Literature*
- *Literature from Other Lands*
- *And The Beat Goes On...*
- *Literature of War and Peace*
- *Australian Literature*
- *North American Literature*
- *Children's Literature*
- *Lives and Times*
- *Book to Film*
- *Novels*
- *Plays*
- *Poetry*
- *Crime Fiction*
- *English Language*
- *Comedy and Satire*
- *Romantics, Rogues and Reformers*
- *Shorter Literary Forms*



- *Speculative Fiction*
- *Shakespeare: Poet and Playwright* *This unit may also be included in a Drama course.*
- *Images of Sport*
- *Social Commentators*
- *Issues*
- *Women in Literature*
- *Journeys and Quests*

### Writing Units

- *Advanced Writing*
- *Writers' Workshop*



## Essential English Integrating the Australian Curriculum

Essential English caters for students who require a general course to enable them to become more confident in the use of the English language. All modules are semester in length (1.0 Standard Unit). Students continuing their education at CIT should seek career advice about prerequisites as some specific CIT courses require English (T) as a major.

### Course Patterns

Essential English is available as a Minor and Major.

### List of Units

In Semester 1, Year 11 Essential English students enrol in the following units:

#### *Unit 1 – Comprehending and Responding*

This unit focuses on students comprehending and responding to the ideas and information presented in texts drawn from a range of contexts. Emphasis is placed on the communication of ideas and information both accurately and imaginatively.

In Semester 2, Essential English students enrol in Unit 2 *Making Connections*. In Year 12 students will enrol in Essential English Unit 3 *Understanding Perspectives* and Unit 4 *Local and Global*.

#### *Additional support with Information Literacy and ICT Skills*

This program is provided by teacher-librarians, and offers students an opportunity to develop their research and information literacy skills, enhancing their capacities as independent learners and users of information technology. Flexible delivery allows students to complete this program in their own time.

## Theory of Knowledge (T)

Theory of Knowledge is the study of Philosophy which is the search for truth. The course involves an introduction to basic philosophical questions, the investigation of logical argument, theories of science, history and aesthetics and the basis of moral and political judgements. Theory of Knowledge includes a program of excursions and guest speakers and seeks answers to questions such as: How do we know what we know? What is the purpose of existence? What is happiness?

The course is open to all students and may be completed as a full major or as a minor. Theory of Knowledge can also form part of an English major. Students undertaking the study of TOK in years 11 and 12 need to demonstrate and maintain a high standard in English and have a strong interest in studying philosophical issues at a deep level.

### List of Units

- *Introduction, Reason, Emotion & the Self*
- *Ways of Knowing*
- *Language, Meaning & Ethics*
- *Aesthetics and Truth*

### Course Patterns

Students are advised to take units in sequence, but you can join the course at any time

All units are required for a Major

One Theory of Knowledge standard unit may be included in an English T Major or Major/Minor.

Theory of Knowledge (T) is available up to a Major only

## English as a Second Language (ESL)(T/A)

There are T and A courses, as well as registered units, offered to students who come from a non-English speaking background and who want to improve their English language skills.

ESL is a class for students whose English is below the level of the average English speaker. This is a class for students who need to learn more English. This class is accepted by universities instead of English (T). This class prepares students for studies at TAFE/CIT and University.

Students are interviewed and tested when they enrol at Canberra College. If their English language skills are inadequate for English studies, these students will be placed in ESL for Academic Purposes (EAP) and not English (T). There are three levels of EAP. Students will be placed in one of these levels depending on their proficiency in writing, listening, speaking and understanding English.

### Course Patterns

- A major in EAP is made up of 3.5 standard units of EAP or 2.5 standard units of ESL and 1 standard unit of English.
- A minor in EAP is made up of 2 standard units of EAP.
- ESL (A) is available to students and will be taught concurrently with EAP(T).

## Course Description – ESL for Academic Purposes (EAP)

### EAP 1 - 4

Students will study research skills such as note taking and paragraph writing. They will learn to write essays and reports on a range of subjects.

### EAP 5 - 8

Students in this level will review research skills such as note taking, using the library and referencing. They will study different types of essays. Students examine arguments in essays and in debates.

### EAP 9 - 12

Students in this level will study Australian and World Literature. They will be introduced to literary analysis in English.



**FONT FAITHAKHAM**, *Ceramic Vessel*, 2013. White earthenware with majolica decoration, 26 x 18 x 23 cm

# Textiles & Fashion

## Textiles and Fashion (T/A)

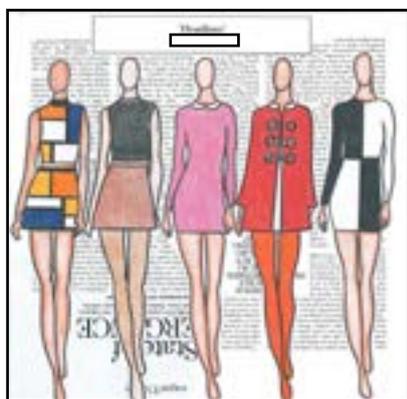
Textiles and Fashion Design are broad and evolving areas in society. It is a multi-disciplinary study of the innovative use of materials which includes fibres and fabrics, which students manipulate to create garments, wearable art, furnishing or decorations.

Students study the influence of society, culture, industry and design utilising materials whilst exploring environmental sustainability in addition to local, national and global ethics and social justice issues. Textiles and Fashion encompasses the latest or most admired styles, shapes and forms in clothing and interiors; it is constantly evolving. In these courses students will have opportunities to develop their creative potential through the medium of fashion and textiles design technology.

Previous experience sewing garments and using machinery is desirable but not essential. **All units are subject to availability.**

### List of Units

- *Design Applications*
- *Fashion Design and Illustration*
- *Fashion Industry*
- *Working with Textiles*
- *Marketing a Designer Label*
- *Textiles for Interiors*
- *Designing for Clients*
- *Design for Performance – Costumes & Sets*
- *Recycle and Reuse*
- *Fashion, Textiles and Society*
- *Textiles and Fashion - Negotiated Study*
- *Sewing for Fun (Registered Unit)*



# Global Studies

## Global Studies T/A

Are you looking for a course that:

- i. Gives you a greater understanding of yourself, your culture and your values?
- ii. Provides you with a sound general knowledge of Australia and our relationships with the rest of the world?
- iii. Gives you the skills to analyse and critically evaluate these relationships?
- iv. Encourages you to develop a world view?
- v. Gives you a chance to look into politics and international relations?

Global Studies is the study of political, economic, social and cultural relationships of the world. The course content encourages global perspective and provides students with the background to study other cultures in relation to their own, including concepts of identity and belonging. This interdisciplinary course explores global issues, global communities, global challenges and change.

The Global Studies course teaches students to think critically about key global issues and to develop an understanding of international politics, global economic forces, intercultural relationships, international cooperation, and global citizenship.

The Melbourne Declaration on Educational Goals for Young Australians (2008, pp.8-9) highlights the relevance of this senior secondary course and sets out what people need to do in order to become active and informed citizens in Australia and globally. Students examine the constantly changing international community and globally shared issues and challenges. The course places a strong emphasis on expanding knowledge of nations and international relations around the world and students are able to focus on key areas to understand changing global dynamics, for example, India, China and other Asian nations are growing and their influence on the world is increasing. Nations in Africa, the Americas and the Middle East as well as South Eastern Europe are also experiencing rapid change.

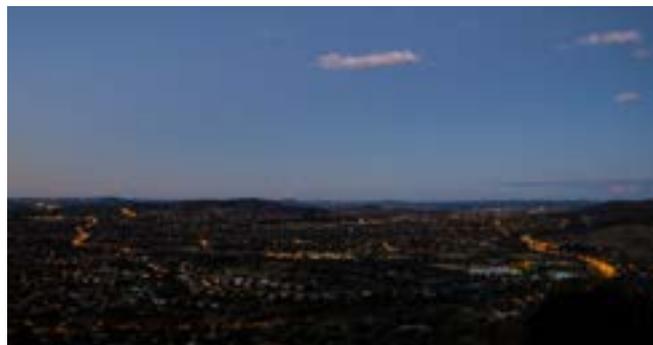
Students with an understanding of the concepts explored in the course will be well placed to better negotiate the world in which they live, study and work.

Globalisation, technological change, environmental, social, economic and political pressures present new and exciting opportunities for Australia and Australians to engage meaningfully with other nations and people.

Global Studies would be valuable for students who have an interest in politics, philosophy, journalism, diplomacy, cultural studies, science, legal studies, languages, humanities, economics, the arts, international relations, the United Nations and global citizenship.

### List of Units

- *Big Ideas and You*
- *Australia: Our Democracy, Your Choice*
- *Australia in the World*
- *Forces of Cultural Change within Asia*
- *Cultural Identity in Asia*
- *International Relations*
- *Peace and Conflict Studies*
- *The Americas and the Caribbean*
- *Global Challenges*
- *Independent Study Unit*



**ROBBIE LAWRENCE**

*Lanyon Nature reserve 2013 Digital Photograph*

# History

## History (T/A)

**NB. In 2015 the content and unit names in History may vary from below. The History course may include the Australian Curriculum content.**

The study of History gives students an understanding of the past and a sense of how history has shaped the present. The skills of investigation, interpretation and communication are emphasised. These skills equip students for further studies at tertiary or vocational level and for a variety of careers.

Within units and across the course, students will find opportunities to pursue interests such as discussion of current issues, political philosophies, social history and military history. The course consists of a number of strands and units: Prehistory, Ancient/Classical, Medieval/European, Modern, Asian, Australian and US history any of which may be combined to form a course. Students have the option to specialise or generalise in the different historical strands or complete a major in a chosen strand.

## Units of Study

The following units are currently offered:

### Prehistory Strand

- *The Emergence of Humans*
- *Emergence of Human Culture*
- *Myth and Magic*
- *Ancient Mesopotamia*

### Ancient/Classical Strand

- *The Roman Revolution : Pompey to Augustus*
- *The Roman Empire*
- *Greece to the Persian Wars*
- *Athens to Alexander*

### Medieval/European Strand

- *The Dark Ages*
- *Blood, Lust and Persecution*
- *Death, Discovery and Renaissance*
- *Britain in the Victorian Age*

### Modern History Strand

- *Revolutions in the Modern World*

- *Dictatorships in the Modern World*
- *Liberators and Revolutionaries*
- *The Cold War*

### Asian History Strand

- *The Modern Middle East*
- *The Killing Fields: Conflict in Indochina*
- *Dragon Lords and Sacred Warriors (Medieval China and Japan)*
- *Modern Japan—From Tokugawa to Today*

### The Modern World Strand

- *Conflict and Issues in the Modern World*
- *The United States: World Power*
- *The Second World War*

### Ancient History – Integrating the Australian Curriculum

- *Investigating the Ancient World*
- *Ancient Societies*
- *People, Power and Authority*
- *Reconstruct the Ancient World*

### Modern History – Integrating the Australian Curriculum

- *Understanding the Modern World*
- *Change in 20th Century*
- *Modern Nations*
- *The Modern World since 1945*

### Skills and assessment

Students develop their cognitive skills of investigation, interpretation and communication by asking meaningful questions to allow them to discern what is significant in historical events. They will be able to locate, select, analyse and evaluate evidence in order to present arguments. They critically assess sources of information about the past, and statements made about it, and come to realise that knowledge is problematic.

Three main task types are used to assess students in History units

Historical Investigation/Depth Study (Essay format)

Document Study/Source Analysis (Exam format)

Empathetic and/or Critical Response

# Hospitality & Food Studies

## Hospitality (A/V) (Industry Based Course)

To gain a Certificate I in Hospitality students need to complete a minimum of two semesters of Hospitality. To gain a Certificate II in Hospitality, students need to study four semesters of Hospitality. Students studying this course are well equipped to pursue a career in hospitality. On successful completion of this course students will obtain a Certificate I and II in Hospitality and/or a statement of attainment in Kitchen Operations, Certificate III.

Students who obtain these certificates are competent in a range of hospitality activities and functions requiring basic operational knowledge and skills. Students are able to complete units of competency by operating a college restaurant and cafe and through active involvement in college functions where hospitality is required. Students must complete two Structured Work placements or equivalent to achieve the Certificate II qualification. This is a highly valued opportunity and many students benefit greatly from this experience, including receiving offers of employment.

*All courses are subject to availability.*

### List of units

- *Hospitality Essentials – Prerequisite unit*
- *Café Service*
- *Hospitality Service Procedures*
- *Leadership in Service Operations*

Hospitality Essentials is a prerequisite unit and should be completed before any other units are chosen.



## Food Science and Management (T)

This tertiary course aims to give students an understanding of the various aspects of food as a resource. Areas of study include socio-cultural, nutritional, scientific, managerial and technological influences on the production, distribution, storage, preparation and consumption of food. This course provides useful preparation for further studies in health sciences including nursing, dietetics, nutrition, food technology and management in the hospitality industry.

### List of units

- *Food and Management*
- *Nutritional Science*
- *Food Chemistry and Technology*
- *Food Security and World Resources*

## Food for Life (A)

This course places emphasis on the practical aspects of food preparation and related areas. In line with increased job opportunities in the hospitality and tourism industry, and other sectors, the course provides experience in cookery skills and techniques, menu patterns and planning, food service, cultural and social variations in food preparation and consumption.

### List of units

- *Nutrition for Life*
- *Food First*
- *Food and Culture in Australia*
- *Independent Living*

*The usual sequence would commence with the first unit of study being Nutrition for Life.*

# Information Technology

A number of streams are available in this area of study. Each differs in the way information is viewed, the tools used and the level of complexity. Students are therefore able to select a stream that best meets their needs and interests.

## Information Technology (T/A/V)

Students in Semester 1 Year 11 start in the stream that they choose. They may continue in this stream and complete a major in Information Technology. Students who complete two streams in the two years will have a double major in Information Technology

**Note: A limit of a double major will apply to the number of Information Studies courses that can be counted towards the calculation of a Australian Tertiary Admission Rank (ATAR)**

Students may gain a Certificate I or II in Information Technology by completing the required competencies over the course of their studies in Information Technology. To gain a Certificate II students must also complete a Structured Work Placement.

The Streams are as follows for all semesters in Year 11 & Year 12:

- Programming Stream
- Networking Stream
- Digital Media Stream
- Applications Stream can be constructed from a Year 11 unit from Networking, Programming or Digital Media in S1 and a Year 11 unit from Networking, Programming or Digital Media in S2

## Information Technology – Programming Stream (T/V) Year 11 and 12

The aim of this course is to provide a background in computer programming and computer programming related fields for students wishing to pursue IT studies at tertiary level. The knowledge and skills required for students considering careers as IT professionals will be introduced. Problem-solving abilities and strategies will

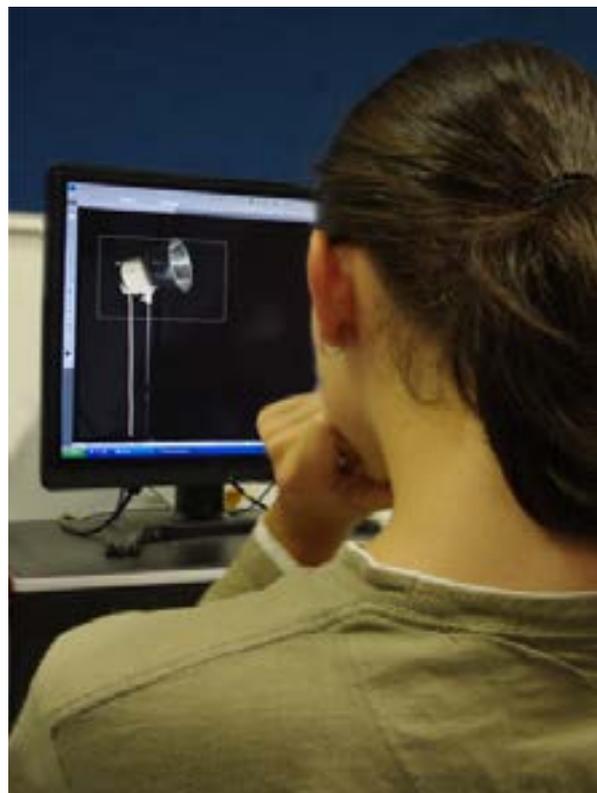
be developed in conjunction with suitable high level computer languages.

The Vocational (V) component of the course introduces knowledge and skills required for students considering careers as IT professionals. The V component can be gained by participating in work placement in industry and completing some compulsory units.

Some programming units have specific prerequisites. Students who take the standard sequence in the Programming Stream will satisfy these requirements.

### List of Units

- *Programming fundamentals*
- *Intermediate Programming*
- *Advanced Programming*
- *Computer Games and Programming Design*
- *Robotics and Intelligent systems*
- *Microcontrollers*
- *ITP Major Project*
- *Systems Analysis and Design*



## Information Technology – Networking Stream (A/T/V) Year 11 and 12

This Stream follows the course towards the Vendor Certificate CCNA recognised worldwide as a networking qualification. It is completed as an online course. The course consists of four semesters of study leading to the CCNA certificate. Students are required to undertake the online CISCO exam at the end of each semester as well as the final CCNA exam in order to gain this qualification. An overall exam administered by a private provider at a cost to the student provides the industry based CISCO CCNA certificate.

### List of Units

- *Networking and Wireless Technology*
- *Networking in a Small to Medium Business*

Year 11 Semester 1 — ITN Networking Wireless Technology and IT Applications or IT Programming

Later Units — ITN Networking Small to Medium Business, ITN Routing and Switching in an Enterprise, ITN Design and Support Computer Networking

## Information Technology - Digital Media Stream (T/V)

This course is a practical study of the ways in which IT can be used as a tool in the solution of multimedia problems in many areas of contemporary society. It focuses on the visual - graphics, animation and web page design, including the development of skills and knowledge in the use of a variety of software applications.

### List of Units

- *Digital Media Graphics and Animation*
- *Digital Media Foundations, Audio and Video*
- *3D Modelling, Animation and Texturing*
- *Website Design*
- *Dynamic Website Construction*
- *IT Major Project*

NB: It is expected that Digital Media be attempted by Year 12 students, however Year 11 students will not be excluded if they wish to do these units as part of a package with photography.

IT Digital Media and IT Applications Year 11 units can be combined to form a major in IT.

Experience by end of Year 10 — No previous study required.

Year 11 Semester 1 — Digital Media Graphics and Animation

Year 11 Semester 2 — Digital Media Foundations Audio and Video

Year 12 Semester 1 — Website Design

Year 12 Semester 2 — Dynamic Website Construction or IT Major Project

## Information Technology - Applications Stream (T/V)

This course is a practical study of the ways in which IT can be used as a tool in the solution of problems in many areas of contemporary society. It focuses on the selection of appropriate software to meet particular needs, and the development of skills and knowledge in the use of a variety of software applications.

The Vocational (V) component can be gained by participating in work placement in industry and completing some required competencies.

### List of Units

- *Digital Media Foundations (0.5)*
- *Introduction to Website Design (0.5)*
- *Relational Databases and Spreadsheets*

The IT Applications and IT Digital Media year 11 units streams can be combined to form a major in IT.

Experience by end of Year 10 — No previous study required

Year 11 Semester 1 — IT Applications

Later Units — Students who complete the IT Applications units in Year 11 may choose to study the year 11 units in Networking, Multimedia, or Programming

# International Baccalaureate



## IB Diploma and IB Certificate Courses

### Prerequisites

- Good Time management
- Commitment to learning

### What do I need to do?

- Choose one subjects from each of the six groups in the IB Diploma Program Diagram. The Arts may be replaced by an additional Language, Science or Social Science.
- Undertake three subjects at Higher Level(HL) and three subjects at Standard level(SL).
- Complete the Core: Extended Essay, Theory of Knowledge and Creativity, Action and Service

### Group One - First Language

#### Literature, Language and Literature

For many students at Canberra College, this will be English.

#### Literature

This course encourages students to appreciate the beauty of Literature as well as analyse and be critical of its technical aspects. Works are studied in their literary and cultural contexts through the close study, and by considering a range of critical approaches. Students will study both works in the first language, but also works in translation. This may be studied at SL or HL.

#### Language and Literature

This course aims to develop skills in textual analysis and the understanding of texts both literary and non-literary. Texts in translation and in English are studied. The techniques of composition and reception are analysed to better understand the wide range of media through which meaning is communicated. This may be undertaken at SL or HL. This is recommended for students who are less interested in Literature.

#### Group Two- Additional Language

French, German, Japanese (Community language, or other, by negotiation) Languages are offered at Beginning (SL), Continuing(SL) and Advanced levels(HL).

#### Group Three- Individuals and Societies

#### History, Psychology, Economics, Environmental Sciences and Societies (ESS)

**History:** IB students will study Modern World History. History can be studied at SL or HL. Please enrol in "Dictators of the Modern World"

**Psychology:** Information can be found under "Behavioural Sciences" in this Handbook. Please enrol in "Infancy to Adulthood" in 2015. Participation in excursions is essential for IB students.

**Economics:** Information can be found in the "Accounting and Legal Studies" section of this handbook. Economics can be taken at SL or HL.

**Environmental Sciences and Societies (ESS):**

Information can be found in “Sciences” under the unit “How Ecosystems Work and Human impact”. ESS is an inter-disciplinary subject. Therefore, this subject can be taken under either Group Three, or Group Four. ESS can be taken only at SL. This unit is a good option for students who are not science focussed.

Two subjects from Group 3 can be studied in a Diploma.

**Group Four- Science**

Physics, Chemistry, Biology and Environmental Systems and Societies (ESS) Specific information on all these subjects is available in the section on “Science” in this handbook. Physics, Chemistry, Biology can be taken at SL or HL. ESS can only be taken at SL. Two subjects from Group 4 can be studied in a Diploma. Special dispensation for three subjects can be arranged.

**Group Five- Mathematics**

Mathematics, Mathematical Studies

Mathematics may be taken at SL or HL. Mathematical Studies is only available at SL. Specific information is available in the “Mathematics” section of this handbook.

Mathematics SL students will enrol in Specialist Core. University entry for Science, IT and Engineering may require Mathematics SL, or HL. Mathematics HL students will enrol in Specialist Mathematics Core and Specialist Options.

Mathematical Studies students will enrol in Math Methods in year eleven and Math Applications in year 12. This course is for students who are less able in Mathematics.

**Group 6 - The Arts, or Additional Choice from another Group.**

Visual Arts, Theatre or Additional subject from another group. The information for these units is available in the “Arts” section of this handbook.

Visual Art values work in a wide variety of media. Students in Visual Art will compile a full portfolio and hold an exhibition of their work, which is favoured by

Art Schools. Theatre students’ assessment is both theoretical and practical.

Students may elect to choose an additional subject from groups 2, 3 or 4, i.e. another Language, Social Studies or Science.

**The Full Diploma**

Students must choose a subject from each of the six groups, i.e. six in total. Students must also pass the Core requirements:

- Creativity, Action and Service
- The Extended Essay
- Theory of Knowledge

**Certificate Courses**

Students may also study one or more IB courses at SL or HL, but not the full diploma. This gives students access to specialist IB teaching and course content. Also, HL certificates are favoured by some tertiary institutions.

**Other Subjects**

Some subjects that are not offered at this college, but examined by the IB may be undertaken. (Such as a chosen language). However, teaching must be organised and paid for by the student. This may be negotiated with the IB Coordinator.

**Assessment**

The IB is an examination system. Thus students must work consistently over two years. Students will submit work throughout the two years for ACT and IB assessment as students will also be awarded an ACT Year Twelve Certificate. Thus students will achieve two ATARS and the better ATAR will be utilised by the university admissions system.

If students are dissatisfied with their results, they may pay a fee to re-sit exams. This will be discussed with the IB Coordinator.

More information about the International Baccalaureate may be obtained at: <http://www.ibo.org>

# Languages

Students have the opportunity to take up a new language at College, or to continue to develop fluency in Chinese, French, German, Italian or Japanese. Students can also take advantage of the exchange programs organised through the College, offering an immersion experience, which is invaluable in developing proficiency in the chosen language.

In all courses students' needs may be taken into consideration, such as preparation for tourism course, university, or general interest.

Beginning, Intermediate, Continuing and Advanced courses in each of the languages will be offered this year to cater for the various levels of language expertise students bring with them to college.

## English (R)

English language is also available as a registered unit for overseas students for whom English is a general interest.

## Chinese (T)

Chinese is one of the most important languages in the world. Chinese language has greatly influenced the writing systems and vocabularies of neighbouring languages such as Japanese and Korean. China's growing economy offers many opportunities in the job market to young Australians. Chinese speakers are not only in China, Taiwan, and Singapore, but also throughout Southeast Asia, North America, and Europe. Chinese speakers today play increasingly important roles worldwide.

### *Beginning Chinese*

The course is designed for students with no previous study of Chinese. It involves a study of both written and spoken Chinese with an emphasis on conversational ability. Culture and history will also be studied. The practical orientation of this course would be particularly useful for those interested in pursuing a career in hospitality, tourism or trade.

Intermediate Chinese (T) is available as a Major only.

### *Continuing Chinese*

This course is designed for students who have studied Chinese for at least two years. The four language skills of speaking, listening, reading and writing are practised with special emphasis placed on communication. The practical content of the course makes it particularly suitable for those interested in the fields of hospitality, tourism or trade.

### *Advanced Chinese*

This course is designed for the native Chinese speaker. This unit will develop communication skills in Chinese and English, through the study of Eastern and Western literature and Australian life and society. Translation and interpreting skills will also be emphasised.

## French (T)

French is one of the official languages of the United Nations and the European Union. Canada, Africa and the Pacific Region (New Caledonia, New Hebrides etc) have large Francophone communities. In the Pacific region, French has direct application in the hospitality and travel industry. Students of French can also participate in the cultural pursuits of French literature, film, art collections at the Australian National Gallery, French popular music and song and the delights of French Cuisine.

### *Beginning French*

This course caters for students who wish to start French at college and for students with less than two years' of study in the language at high school. It aims to develop speaking, listening, reading and writing skills in French for the purpose of communication, travel, further study and enjoyment. Students will also gain knowledge and an appreciation of the cultural aspects and lifestyles of France and the French-speaking world.

Intermediate French (T) is available as a Major only.

### *Continuing French*

This is a course for students who have studied French

for at least two years at high school. It incorporates core language work and literacy and cultural studies. The aim is to develop the four language skills of listening, speaking, reading and writing acquired in high school, with an emphasis on using spoken French for everyday communication.

### *Advanced French*

This course is designed for native speakers of French or students who have spent a minimum of 12 months in a Francophone country where the language is spoken. It incorporates advanced language work, literary research and analysis and a sustained use of French in speaking as well as writing. This course is for self-motivated, self-directed students.

## German (T)

German is an official language of the European Union. German has many useful applications. Students of European literature, culture and history find German valuable, as do scientists and musicians.

German is a precise and expressive language. The four language skills of speaking, listening, reading and writing are practised with special emphasis given to communication. Many supplementary activities are included in the course involving reading magazines and short stories, viewing TV programs and films, and tasting German food.

### *Beginning German*

This course caters for students who wish to start German at college and for students with less than two years of study in the language at high school. It aims to develop speaking, listening, reading and writing skills in German for the purpose of communication, travel, further study and enjoyment. Students will also gain knowledge and an appreciation of the lifestyles and culture of Germany and the German-speaking world.

Intermediate German (T) is available as a Major only.

### *Continuing German*

This course is designed for students who have completed at least two years of German at high school (or an equivalent). It incorporates core language work, literacy and cultural studies. The aim is to develop the four language skills of listening, speaking, reading and writing acquired in high school, with an emphasis on

using spoken German for everyday communication. Students are given further insights into the life, achievements and influence of the German people through cultural and literary studies.

## Italian (T)

Italian is a European language which is becoming more popular to study. Students of Italian can also participate in the cultural pursuits of Italian literature, film, Italian popular music (and song) and the delights of Italian cuisine.

### *Beginning Italian*

This course caters for students who wish to start Italian at college, and for students with less than two years of study in the language at high school. It aims to develop speaking, listening, reading and writing skills in Italian for the purpose of communication, travel, further study and enjoyment. Students will also gain a knowledge and an appreciation of cultural aspects and lifestyles of Italy.

Intermediate Italian (T) is available as a Major only.

### *Continuing Italian*

This is a course for students who have studied Italian for at least two years at high school. It incorporates core language work and literacy and cultural studies. The aim is to develop the four language skills of listening, speaking, reading and writing acquired in high school, with an emphasis on using spoken Italian for everyday communication.

### *Advanced Italian*

This course is designed for native speakers of Italian or students who have spent a minimum of 12 months in a country where the language is spoken. It incorporates advanced language work, literary research and analysis and a sustained use of Italian in speaking as well as writing. This course is for self-motivated, self-directed students.

## Japanese (T)

Japanese is an important language in the Asia region and in the world context. Japan's continued economic, tourism and cultural links with Australia provide many learning opportunities for young people through diplomacy, hospitality or travel.

Students are encouraged to think about going on an exchange trip to Japan and to participate in other activities such as the annual speech contest with other students and to experience the delights of Japanese food.

Students also have the opportunity to study Japanese at the ANU Secondary College. To do this they must be studying at the continuing or advanced levels of Japanese.

### *Beginning Japanese*

This is a course in conversational and written Japanese for students with no previous study of the language. It aims to develop the speaking and listening skills in Japanese required for basic conversation, travel, further study and enjoyment. The course aims to develop writing and reading skills by teaching the hiragana and katakana scripts and some kanji. Students will also gain an insight into aspects of Japanese culture and lifestyles.



Intermediate Japanese (T) is available as a Major only.

### *Continuing Japanese*

This is a course for students who have studied the language to Year 10 or an equivalent. It incorporates core language work and literary and cultural studies at a more sophisticated level. The aim is to develop the four language skills of listening, speaking, reading and writing, with an emphasis on using spoken Japanese for everyday communication.

### *Advanced Japanese*

This course is designed for native speakers of Japanese or students who have spent a minimum of 12 months in a country where the language is spoken. It incorporates advanced language work, literary research and analysis and a sustained use of Japanese in speaking as well as writing. This course is for self-motivated, self-directed students.



**TOM CAMPBELL**, *Ceremony*, 2013. *Pencil on paper*, 594 x 420 cm

# Library Services

The Canberra College Library supports the teaching and learning of students through the provision of relevant materials and the continuous building of a high-quality, targeted library collection. A broad range of media is available to students, encompassing standard text books, non-fiction and fiction texts, DVDs and digital eBooks. We have a dedicated Fiction room to promote recreational literacy and a diverse selection of magazines and newspapers to cater to both study and personal reading interests. The Library provides streaming digital videos through the EnhanceTV Direct service. All students have access to this excellent online resource which contains thousands of high-quality educational videos available from any web-enabled device.

We pride ourselves on the high level of information technology support that we are able to offer the Canberra College community. The information technology facilities that are available in the library include a large number of desk top and lap top computers, netbooks, Android tablets, free Wi-Fi and access to a range of eBooks and educational software. Students may use the library printer, photocopier and other stationery equipment and services to support their studies. We are able to assist students with BYOT as well as our in-house ICT resources, to maximize access the excellent digital resources we have to offer.

The library opens each week day fifteen minutes prior to classes starting and remains open for fifteen minutes after classes finish. Students have access to the library at all times between these hours to study, or to simply be in a quiet space and read a book, newspaper or magazine during their lunch break.

Information literacy is a key component to the assistance that the Teacher Librarians are able to offer the students. This involves not only learning how to source appropriate information but also how to convert that information into a solid foundation of knowledge. As a centre for information and learning we seek to have available for students all the information they may require for all of their assessments. Essay writing, oral presentations, lab reports, citations, bibliographies and exam preparation are all things that students are able to discuss with us to ensure they have all they need to achieve the best possible results. There are always qualified staff on duty to assist students with their assignments and reference queries. We are here to support the academic needs of students in any way we can.

Most importantly, we strive to create a welcoming environment where all students are able learn effectively with support.



# Mathematics

## Mathematics (T)

It is important to note that when a course score for Mathematics is calculated, all three Tertiary Mathematics (T) courses are merged and compared. Some units are prerequisites for others. Students should check with the faculty before enrolling in the next unit.

Students of all T courses will be expected to have access to graphics calculators for class use as well as for all their other mathematics work.

### Change of Package

Students who wish to transfer from one course to another must seek course counselling from their teacher and approval from the Executive Teacher of Mathematics.

A reference guide to help students select the level of mathematics best suited to their skill level is as follows:

- **Specialist Mathematics (T)**
  - **Specialist Mathematics Core**
  - **Specialist Mathematics Options**

**It is expected by the end of Year 10 students have studied Extension or Level 1 Mathematics achieving an A or B grade**

Year 11 Semester 1 students choose: For a Major SM: *Numbers, Patterns & Relations—Core* then choose SM: *Trigonometry & Derivatives—Core*

For Major/Minor or Double Major: SM: *Numbers, Patterns & Relations* and SM: *Number Theory & Further Matrices—Option* then choose SM *Trigonometry & Derivatives—Core* and SM: *Coordinate Geometry, Conics & Vectors—Option*

- **Mathematical Methods (T)**

**It is expected by the end of Year 10 students have studied Extension or Level 1 Mathematics achieving an A, B or C grade**

Year 11 Semester 1 students choose MM: *Numbers, Patterns, Relations & Functions* then choose MM: *Introductory & Differential Calculus* Mathematical Methods (T) is available as a Major or Minor (only as an individual course).

- **Mathematical Applications (T)**

**It is expected by the end of Year 10 students have studied Level 1 Mathematics achieving an A, B or C grade or Level 2 Mathematics achieving an A or B grade**

Year 11 Semester 1 students choose MA: *Matrices, Sequences, Series & Mensuration* then choose MA: *Modelling, Matrices & Network*.

Mathematical Applications (T) is available as a Major or Minor only

## Specialist Mathematics (T)

Specialist Mathematics (SM) Core together with Specialist Mathematics Options is available as a Double Major, Major/Minor or Major. It is intended for students of above-average scholastic ability and performance in mathematics. Students intending to study majors in Mathematics, Physics, Engineering and Econometrics and Actuarial Studies at University would be advised to study a Double Major course. Students who find the course too difficult will be allowed to move to Mathematical Methods or Mathematical Applications.

### List of Units

- SM: *Numbers, Patterns & Relations—Core*
- SM: *Number Theory & Further Matrices—Option*
- SM 2: *Trigonometry & Derivatives—Core*
- SM: *Coordinate Geometry, Conics and Vectors—Option*
- SM: *Integrals & Special Functions—Core*
- SM: *Complex Numbers and Further Trigonometry—Option*
- SM: *Probability & Statistics—Core*
- SM: *Further Calculus and Dynamics—Option*

### Course Patterns

Major: three semester units and at least one half semester unit of sequential core units.

Minor: two semester units of the year 11 core units.

Major-minor: 3.5 or 4 sequential core units to form the major and at least two option units.

Double major: 3.5 to 4 sequential core units to form the major and at least 3 option units where the combined total of all units is at least 7 semester units.

## Mathematical Methods (T)

Mathematical Methods (MM) can only be studied as a Major or a Minor. It is expected that students will have demonstrated a high level of aptitude and achievement at high school Mathematics. MM prepares students who need a year long unit in Mathematics at university and whose academic interests are in areas such as Economics, Psychology, Biology, Geography or Information Technology.

### List of Units

- *MM: Numbers, Patterns, Relations & Functions*
- *MM: Introductory & Differential Calculus*
- *MM: Integral Calculus & Special Functions*
- *MM: Probability, Statistics & Applications*

### Course Patterns

- Major: Three semester units and at least one half semester unit of study are required.
- Minor: Two semester units of study.
- The units in this course should be completed sequentially.
- Completion of MA: Matrices, Sequences, Series & Mensuration or MM: Numbers, Patterns, Relations & Functions or SM: Numbers, Patterns & Relations (but not any two).
- A minor in Mathematical Methods (T) can be made up from: MM: Numbers, Patterns, Relations & Functions or MA: Matrices, Sequences, Series & Mensuration (but not both).

## Mathematical Applications (T)

The course Mathematical Applications (MA) can only be taken as a Major or Minor. It is expected that students will have demonstrated an interest in mathematics at high school and achieved a moderate to high level of success. This course is suitable for

students who intend to undertake tertiary study in areas where mathematics plays a supportive role. The course emphasises the use of quantitative techniques, including the exploration and analysis of mathematical and statistical modelling. Mathematical Applications can be a very useful major for C.I.T. entry.

### List of Units

- *MA: Matrices, Sequences, Series & Mensuration*
- *MA: Modelling, Matrices & Networks*
- *MA: Statistics & Financial Modelling*
- *MA: Probability & Trigonometry*

### Course Patterns

- Mathematical Applications (T) can only be studied as a major or a minor.
- A course in Mathematical Applications (T) can include MM: Numbers, Patterns, Relations & Functions but not with *MA: Matrices, Sequences, Series & Mensuration*

## General Mathematics (A)

This course is intended for students who wish to study Mathematics in a more practical way. It is suitable preparation for entry to the workforce and for many apprenticeships. It offers a range of topics which enable students to examine situations in practical, social and physical contexts. All semester units are available as half units.

### List of Units

- *GM: Food, Hospitals, Earning & Travel*
- *GM: Travel, Statistics & Trigonometry*
- *GM: Cars, Chance, Moving Out & Finance*
- *GM: Travel, Property and Applicable Maths*

General Mathematics (A) is available as a Major or Minor only.

It is expected by the end of Year 10 students have studied Level 2 or 3 Mathematics.

Year 11 Semester 1 students choose *GM : Food, Hospitals, Earning & Travel* then choose *GM: Travel, Statistics & Trigonometry* as the Semester 2 option.

# Media

## Media (T/A)

Screen, aural, print based and digital media technologies are some of the most powerful influences on contemporary society as they inform, educate and entertain. These media are important channels for education and cultural exchange and represent social, personal and cultural realities. It is fundamental to our self-expression and representation as individuals and as communities that a healthy, diverse and active media exists as it enables us to understand ourselves as Australian and global citizens, consumers, workers and imaginative beings.

Media courses offer students a context in which to acquire the knowledge and skills needed to develop into critical and discerning individuals. Students will be able to recognise that the media shapes what we know about the world and critically appraise the construction of that media. The media represent the world in a way which is different from direct experience. These representations have been constructed through a process of selection, using codes and conventions. From this perspective media products can be examined as the expression of creative ideas, specific symbolic languages, comments on culture and values and as a reflection of the society in which they were created.

The Media course aims to encourage students to create their own media products, both as a means of exploration and as evidence of understanding. Media studies addresses aspects of the media industry, workplace realities, teamwork, commercial considerations, industry requirements and restrictions along with work ethics.

Students learn to work independently and collaboratively, make informed decisions about professional and vocational pathways and

acquire employment and leisure skills. Certificate II Creative Industries (Media) is available for selected students to help kick-start your career.

### List of Units

- *Media Foundation*
- *History & Development of Film*
- *Animation*
- *Process to Production*
- *Media Project & Scriptwriting*
- *Film Making*
- *Television*
- *Scriptwriting*
- *Journalism*
- *Film Genres & Cultures*
- *Popular Culture*

Year 11 Semester 1 students are recommended to choose *Introductory Media*.



# Music



## Music (A)

This course is designed for students to improve their performance skills on a chosen instrument. The course is available to beginners as well as continuing students who wish to improve their performance skills. Various units of work will be offered, covering a wide range of musical styles.

### List of Units

Music A — Intro to Music, then the units that are listed below in Music (T)

These units are not sequential and students will have the opportunity to work at an individual level.

## Music Industry (C)

This course is designed to enable students to enter the dynamic field of contemporary music with skills in production, promotion or performance. Students achieve valuable on-the-job training through work placements with employers associated with the local music industry, and gain valuable industry knowledge and contacts. There are opportunities to participate in live performances as a player, engineer or promoter, and to gain competencies through work done in class as well as through work placements.

The expected completion time for Certificate II is 4 standard units. Most college RTOs will deliver the 4 standard units (1.0) in the course. The half standard units (0.5) are offered as exit or entry points when students do not complete the standard unit.

This course will be delivered through simulated work activities and class based projects and theory sessions. Emphasis will be given to observation of skills and teachers questioning students' knowledge on completion of tasks. Evidence contributing toward competency will be collected throughout the course forming the basis to assess competency.

### List of Units

- *Breaking into the music Industry*
- *Headlining the Gig*
- *Earning Your Way in the Music Industry*
- *Recording on Both Sides of the Glass*

## Music (A/T)

This course is designed for students who wish to engage in the study of music as an expressive but disciplined art form. Students need to be familiar with the fundamentals of music literacy and to have some instrument and/or vocal skills.

### List of Units

- *Classical Music*
- *Blues Music*
- *Romantic Music*
- *Rock & Pop*
- *Jazz Perspectives*
- *World Music*
- *Music of the 20th & 21st Century*
- *Swing & Bebop Music*

In these units students have the opportunity to develop their performance skills. The units focus on a wide variety of musical styles. Students have the opportunity to increase their theoretical knowledge at an appropriate level.

It is expected that by the end of Year 10 that students who are intending on choosing a *Music* course have instrumental experience.

Year 11 Semester 1 students choose either *Music (A)* or *Music (T)* depending upon their package needs.

## Jazz (T)

The specialized Jazz course is designed for students who wish to become proficient in performing the jazz genre. Improvisation and solo techniques will be developed throughout the course, which features all the main jazz styles including blues, swing, bebop, cool, jazz rock, contemporary and fusion.

Prerequisites include the ability to read music and basic skills on the chosen instrument. Early Jazz is the compulsory first unit in the Jazz course.

### List of Units

- *Early Jazz*
- *Cool and Beyond*
- *The Swing Years*
- *Latin Music*
- *Bebop*

In these units students will be introduced to the Jazz genre through playing in an ensemble. Improvisation

will be studied as well as early styles of Jazz. The Jazz (T) units are sequential.

Jazz and Music can be combined to form a double Major or Major/Minor.

It is expected that by the end of Year 10 that students who are intending on choosing a *Music* course have instrumental experience.

Year 11 Semester 1 students choose *Early Jazz*.

All music students have access to our new recording studio facilities in CCPAC.

## Special Music Programs (School of Music)

### *Preparatory Jazz Studies (T)*

This course is conducted at the School of Music, and caters for students who wish to pursue tertiary studies in jazz. Entry is by audition, and enquiries should be directed to the Canberra Institute of the Arts.



# Photography

## Photography (T/A)

This course will assist students to develop an understanding of both practical and theoretical aspects of photography. Students are encouraged to explore their own individual photographic style in addition to increasing their appreciation of the history and artistic qualities of photography. Selecting photography as part of a college package enables students to develop their creative and visual communication skills.

Students planning a career in this field will have the opportunity to assemble a folio of photographic work that is suitable for tertiary institutions or employment purposes. This course provides excellent knowledge in all aspects of photography and digital imaging and enables students to produce work of exhibition quality.

### List of Units

- *Foundation Photography (T/A)*
- *Introductory Digital Photography (T/A)*
- *Photographic Applications (T/A)*
- *Introductory Digital Photography (T/A)*
- *Art Photography (T/A)*
- *Digital Photographic Applications (T/A)*
- *Continuing Photography (T/A)*
- *R Unit Photo Access (Half Unit)*
- *Photography Negotiated Study (T/A)*



## Course Patterns

No previous study of Photography and Digital Photography is required.

Foundation Photography is the compulsory first unit of this course if you intend a major in photography.

Units should be studied sequentially. Variation to this would be if a student elected to begin Foundation Photography in Semester 2. To complete a Major, Continuing Photography and Art Photography could be studied in the same semester.

It is possible to transfer from Photography T to Photography A at any time. Year 11 Semester 1 students choose either Foundation Photography or Intro Digital Photography.



YITONG TAO  
2013 Digital Photograph

# Physical Education

## Sports Development (A)

Students enrolled in this course will be part of the Canberra College Sports Academy, designed to cater for students who have an identified high level of commitment or talent in sport as a player, coach, referee or official. Students in individual or other team sports are able to gain credit for coaching received through community organisations.

The Canberra College Sports Academy is integrated with the Sports Development course. Student academic programs are monitored in such a way that it does not compromise their sporting commitments.

Students spend 70% of their scheduled class time in this course on training and competitions and the other 30% studying the theory underlying sporting performance. All athletes are required to keep a detailed record of all training and competition during each semester.

The course is comprised of four units which are non-sequential.

### List of Units

- *Time Management for Athletes & Drugs in Sport*
- *Sports Administration and Promotion*
- *Sports Psychology & Career Planning*
- *Sports Injuries & Study Skills*

It is expected by the end of Year 10 students have been involved in a sport and have shown a high degree of motivation and commitment as well as an above average grade for PE.

Year 11 Semester 1 students choose *Time Management for Athletes & Drugs in Sport* or *Sports Psychology & Career Planning*. Later units to study are *Sports Injuries & Study Skills for Athletes* and *Sports Administration and Promotion*.

## Exercise Science (T/A)

The Exercise Science (T) course provides a useful preparation for further studies at university and/or CIT in the field of teaching, nursing, sports science, biomechanics, fitness leadership, sports studies and medical studies. The course is academically demanding, requires a high level of personal commitment and presupposes an interest in the human sciences. Biology may be studied as a separate course concurrently with Exercise Science.

Students are encouraged to commence their studies in Year 11 with Basic Anatomy and Physiology. However, it is possible to study Exercise Science units out of sequence.

### List of Units

- *Functional Anatomy and Physiology*
- *Sports Performance/ Sports Nutrition*
- *Exercise Physiology/ Sports Medicine*
- *Biomechanics/ Sports Psychology*

Year 11 Semester 1 students choose *Basic Anatomy & Physiology/Functional Anatomy & Physiology* then other units to study are *Sports Performance/ Sports Nutrition* or *Exercise Physiology/Sports Medicine* or *Biomechanics/Sports Psychology*



## Sports Studies (T/A)

The Sports Studies (T/A) course has as its main focus, a combined theoretical and practical approach to encourage participating students to develop an understanding of and interest in personal fitness, health, skills, sport and recreation, issues in sport, coaching administration, sports marketing and working with children.

The course is designed for a wide range of students who have an interest in physical activity, personal fitness, sport and recreation. The course also provides opportunities to gain formal sports coaching and administration qualifications.

It will also provide a suitable foundation for students wishing to undertake various Fitness Leadership and Recreation courses offered by CIT.

### List of Units

- *Skills Acquisition & Issues in Sport*
- *Sport, Recreation, Health in Australia*
- *Sports Coaching*
- *Sports Administration/Business & Marketing*

## Sports Science (T/A)

Students may gain a Sports Science Major, Major/Minor or Double Major by combining set combinations of Exercise Science and Sports Studies units. A minimum of either a minor in Exercise Science or a minor in Sports Studies is required for a Sports Science major. Note: a Sports Science Minor is NOT available.

## Physical Education (A)

A variety of individual sports, small team sports, leisure and recreational practices with relevant theory sections on rules, tactics, fitness training, nutrition, coaching, injury prevention and skills development will be studied. Theory will occupy approximately one quarter of the class time while the remainder is active participation.

Students need not have any exceptional sporting or athletic ability in order to succeed in these units. It is possible to study Physical Education units out of sequence.

### List of Units

- *Modified Sports and Recreation Activities*
- *Football Codes & Throwing Sports*
- *Minor Games and Sports Competitions*
- *Racquet Sports & Team Sports*

### Girls BodyFit

A class for girls, the units studied focus on personal fitness. The double lesson each week is spent participating in a range of group fitness classes at a local gym

- *Fitness and Modified Sport*
- *First Aid and Individual Sports*
- *Recreation Activities and World Sports*
- *Team Sports, Gender and Sport*



## Outdoor Education (A)

Units in this course are designed for students who are interested in outdoor activities and who wish to develop or improve their skills in, and their enjoyment of, these activities. The specific units offered are based on the interest of students each semester. Typical units provided over recent years are included below.

### List of Units

- *Alpine Skiing & Snowboarding*
- *Rock Climbing (Advanced & Beginner)*
- *Bushwalking*
- *Sailing*
- *Canyoning*
- *Snorkelling*
- *Caving*
- *Surfing*
- *Introduction to Rope Sports*

## Sport (R)

Inter-collegiate sport is conducted as one day carnivals and on Thursday afternoons between 2:00pm and 4:00pm. The sporting competitions currently involve students from all ACT government colleges and are run over four terms. Each term competition generally lasts for 6 weeks.

**These sports are conducted as Registered Units.**  
(The schedule below is a guide to possible offerings)

### Term 1

- Cricket (Boys)
- Basketball (Boys and Girls)

### Term 2

- Futsal (Boys and Girls)
- Netball (Girls)

### Term 3

- Volleyball (Boys and Girls)
- Oztag (Boys)

### Term 4

- Touch (Mixed)

### *ACT Cross Country Championships*

This carnival is held towards the end of Semester 1.

- College students gain direct entry to the carnival.

### *ACT Secondary Schools Swimming*

This carnival is usually held in Semester 1

- College students gain direct entry to the carnival.

### *ACT Schools Athletics Carnival*

This carnival is usually held in Semester 2

- College students gain direct entry to the carnival.

## OTHER ONE DAY CARNIVALS

- Beach Volleyball
- Mixed Hockey
- Girls Softball
- Boys and girls Tennis singles
- AFL (Boys and Girls)
- Soccer (Boys and Girls)
- Rugby League 9s (Boys)
- Rugby Union 7s (Boys)
- Cricket (Boys and Girls)
- Baseball (Boys)
- Mountain Biking and Road Cycling
- Ten Pin Bowling
- Oztag (Boys and Girls)
- Squash (Mixed)
- Badminton (Boys and Girls)
- Golf
- Table Tennis
- Lawn Bowls

# Registered Units

A range of sporting, cultural, recreational and community service activities are offered each year as Registered Units (R). Students are encouraged to involve themselves in R Units where possible; they are a satisfying and relaxing complement to courses.

R Units are offered in units of differing lengths, carrying appropriate values. All R Units successfully completed are reported on the Year 12 Certificate and Secondary College Record. Units derived from this

source will contribute towards the issue of a Year 12 Certificate.

Units and courses vary from year to year and season to season, depending on demand and the special interests and abilities of staff. Information regarding Registered Units (R) is made available to students early in Semester 1 via iGroup notices and the TV Screens

Following is a typical sample of units offered.

## *Fitness and Sport*

AFL Boys & Girls  
Badminton  
Baseball  
Basketball  
Beach Volleyball  
Bushwalking  
Canyoning  
Caving  
Cricket  
Cross Country  
Futsal  
Golf  
Inter-Col Sports  
Sailing  
Netball  
Oztag  
Rock Climbing  
Softball  
Skiing  
Snorkelling  
Table Tennis  
Ten Pin Bowling  
Touch Football

## *Leisure and Enrichment*

Band Performance  
Band Tutor Program  
Career Planning  
Ceramics  
Bar & Beverage Course  
Community Radio  
Computer Maintenance  
CSIRO Science Research  
Dance  
Debating  
Digital Photography  
Drama  
Drawing for Pleasure  
Enrichment Mathematics  
ESL Tutorial  
First Aid  
IT Tutorial  
Jazz Studies  
Media Production  
Mock Trials  
Music Workshops  
Photography  
Pre-Med  
Sewing for Fun  
Social Justice  
Stage Production  
Theatre Exposure  
Theatre Production & Lighting  
Tutorial Mathematics  
Tutorial English  
Vehicle Maintenance

## *Work Experience*

All students have the opportunity to participate at a variety of work placements.

## *Community Services*

Community Service  
Amnesty International  
Blood Donor's Club  
Student Leadership Group (SLG)

## *Business and Social Sciences*

ABW Online  
(Australian Business Week)  
Global Enterprise Challenge  
Business Studies Competition  
Economics Competition  
UBS Finance Academy  
UBS Young Women's Leadership Academy  
Young Achievement Australia  
ASX Online Share Market Australia  
Legal Studies MOOT Trial  
CPA Australia Plan Your Enterprise Competition  
ACT Parliamentary Debating  
ACT Constitutional Convention  
Model United Nations (MUNA)  
ANU Apprentice Challenge

# Science

The College offers Sciences as A and T courses. Students also have the opportunity to participate in extracurricular Science activities as listed at the end of this section. Pre-Med is offered as an R unit for students who are interested in pursuing medical related careers.

Students are encouraged to work independently and are given experiences to develop observation and experimental skills and the opportunity to apply knowledge in practical situations. The courses prepare students for the real world and to meet the recognised prerequisites for study in Science-based professions as diverse as Marine Biology, Engineering, Medicine and Horticulture. Students looking to careers in Science-based professions should seek early advice to ensure that they have an appropriate enrolment package.

Students who intend to study Science at University, should enrol in at least one T Science course such as Chemistry, Physics or Biology.

Students doing the IB Diploma Programme may choose Biology, Chemistry, Physics or Environmental Sciences and Society as their Group 4 subject. The IB courses are covered in normal classes and tutorials.

## Biology (T/A)

This course covers plant, animal, ecological and human biology. The combination of units offered gives students opportunities to study Introductory Biology in themed units. Students may study a major, major minor or double major.

### List of Units

- *Introductory Biology*
- *Physiology and Genetics*
- *Advanced Physiology and Genetics*
- *Evolution and Microbiology*
- *Ecology and Biodiversity*
- *Human Ecology*
- *Independent Research Project*



## Course Patterns

- Year 12 students can complete a Major in one year by taking two Biology classes concurrently.

Students should start with Introductory Biology and proceed to Physiology and Genetics. Ecology units may be taken at any time Independent Project is taken offline.

## Chemistry (T)

This course is designed to provide a general background in Chemistry that enables students to appreciate the contribution that the Science of Chemistry makes to a technological society. This course will also provide the necessary basis for those students intending to study a Science-based discipline at a Tertiary level, or to enter a Science-based occupation.

### List of Units

#### Core Units

- *Introduction to Chemistry*
- *Physical and Organic Chemistry*
- *Advanced Physical Chemistry*

#### Options Units may include

- *Biochemistry Yr 12*
- *Analytical Chemistry Yr 12*
- *Environmental Chemistry Yr 12*
- *Chemistry in Industry and Technology*
- *Medicines and Drugs*
- *Food Chemistry*
- *Further Organic Chemistry*

## Course Patterns

The first 3 units are sequential. Students intending to study Chemistry at university are strongly recommended to complete a major in this course.

It is helpful if students are competent in Year 10 Mathematics.

Year 11 Semester 1 students choose *Introductory Chemistry* in semester 2 year 11 students choose *Physical and Organic Chemistry*.

## Physics (T)

The course will provide a good basis for those students who intend to study a science-based discipline at tertiary level or to take on any science-based occupation. Students taking this course are strongly advised to select concurrently a tertiary Mathematics course, usually Specialist or Mathematical Methods.

### List of Units

- *Introductory Physics, Mechanics Yr 11*
- *Thermal Physics, Electrodynamics Yr 11*
- *Waves, Digital and Atomic Physics Yr 12*

### Options

- *Astrophysics*
- *Communications Yr 12*
- *EM Waves*
- *Biomedical Physics*

## Course Patterns

- Units are sequential
- Students intending to study Physics at university are strongly recommended to complete a major in this course.

It is helpful if students are competent in Year 10 Mathematics.

In Year 11 Semester 1 students choose the unit *Introductory Physics, Mechanics* then in second semester choose *Thermal Physics, Electrodynamics*

## Horticulture (A)

The students who select Horticulture enjoy the practical nature of Science. The horticultural activities and topics studied link closely to the seasons so that the theory

in the classroom can be augmented straight away with a corresponding practical activity. This course incorporates a strong focus on job skills. Students who complete a major may go on to study for a Certificate II in Horticulture through to a Horticulture Diploma at CIT or the Bachelor of Landscape Architecture degree at the University of Canberra. Students in this course have access to a the College garden and a well equipped and spacious potting shed and glass house.

### List of Units

- *Summer — Seedlings, Soils & Cuttings*
- *Summer — Herbs, Compost & Bulbs*
- *Autumn — Irrigation & Potting Mixes*
- *Autumn — Trees, Cacti & Seeds*
- *Winter — Pruning & Plant Structure*
- *Winter — Xeroscape & Landscape Design.*
- *Spring — Indoor Plants & Organic Growing*
- *Spring — Hydroponics, Grafting & Lawns*

## Science (A)

### *The Science of Forensics, Beauty, Toys and You*

This course explores the importance of Science in our everyday lives and has an integrated approach to learning incorporating aspects of IT, Media, English, Mathematics, Art, History, Food Science and Physical Education.

This course is highly recommended for all students regardless of background. Science (A) cultivates an appreciation of the importance of Science and Technology in the modern world. There are no prescribed sequences of units for this course. All units are one term long (0.5 point). Units are negotiated between the teacher and the students each semester, selecting from the options shown below.

### List of Units

- Blood and guts
- Human Sexuality
- Genes, DNA and stuff
- Germs and other bugs
- First Aid and the Body (Level 2 Certificate)
- First Aid and OH&S (Level 3 Certificate)
- Simple Machines and their Applications
- Kitchen Chemistry

- Technology of the Future
- Forensic Science
- Aliens and Science Fiction
- Gardening Science
- Cycle of life
- Stars and more stars
- Case study

### Course Patterns

A Minor or Major in Science A comprises any combination of the above half units to the value of at least 2 standard units for a minor and at least 3.5 standard units for a major.

It is anticipated that students can include up to one unit from other Science courses including Physics, Chemistry, Biology, or Horticulture to complete a Minor or Major in Science A.

## Pre-Med

### Preparing for Medical and related Careers

This program is being offered to help prepare students for careers in the health professions. These include careers in Nursing, Medicine, Veterinary Science, Dentistry, Physiotherapy and many others.

The program aims to provide students with skills, information and experience relating to various career directions. It also aims to help them in their applications for University, CIT and employment.

Students will all enrol on a particular study line and cover the topics listed below. The program will involve up to three hours per week of allocated lesson time. Out of class study time will generally not be necessary to complete the Pre-Med units.

Assessment for the completion of tasks will not be competitively based so as to encourage group participation and involvement. It is expected that students will spend a minimum of eleven hours on each unit. Students with a demanding workload do not have to complete all units to remain in the Pre-Med Program.

### List of Units

- *Pre-Med: Career Pathways*
- *Pre-Med: Campus/Site Visits*
- *Pre-Med: Promoting Healthy Lifestyles*
- *Pre-Med: Medical Lecture Series*
- *Pre-Med: Communication Skills Development*
- *Pre-Med: Job Seeking and Study Skills*
- *Pre-Med: History of Medical Science*
- *Pre-Med: Literature/Film Reviews*
- *Pre-Med: Ethics in Medical Science*
- *Pre-Med: Health Certificate*
- *Pre-Med: Work Experience*

Pre-Med is available as a Minor in the Leisure and Enrichment Course (R).

## Additional Science Activities

Students also have the opportunity to participate in extracurricular Science activities. They will gain credit for these as R units. Further information on these activities is available by contacting staff in the Science faculty. Typical activities conducted in recent years include the following:

- National Youth Science Forum - Year 11 only
- CREST - CSIRO science experiments
- National Chemistry Titration Competition
- Murray Darling Research Scheme
- National Chemistry Quiz
- Australasian Schools Science Competition
- Australian Science Challenge
- Questacon Schools Training Program
- Australian Science Olympiads
- Rio Tinto Big Science Competition

# Specialist Education Program

## The Futures Program

The Futures Program is a specific program designed to support students with special needs in education, preparation for employment and for life as an independent member of the local community. Students in the Futures Program attend combined Year 11 and 12 classes.

Students in this program are able to undertake a range of packages including mainstream classes, vocational education courses, on-line learning and specialised classes. Embedded throughout the program is a focus on the development of the individual in conjunction with the continued development of practical maths and literacy skills. Our focus is the enhancement of the student's general understanding of the world in which they live with a particular focus on undertaking vocational courses leading to certificate qualifications.

To be eligible for enrolment into this program students must meet the current program criteria. More detailed information may be obtained by calling the Executive Teacher on 6142 3288.

### **On successful completion of the two year program students graduate with a Year 12 Certificate.**

*All students in the Futures Program undertake the following current set of Accredited/Modified courses that cover the learning areas of:*

1. English,
2. Mathematics,
3. VET Course,
4. Work Training,

Vocational Courses may include:

- Certificate I/II Hospitality (A/V/M)
- Certificate I /II Volunteering (C)
- Foundation Skills (A/V/M)

Students also undertake an elective course which may include:

- Media Production
- Physical Education (A/M)
- Food and People (A/M)
- Textiles and Fashion (A/M)

Participation in work experience, work sampling and extended work placement is a strong focus of The Futures Program. This is seen as integral for students in the preparation for transition from college to post-college life. Students may undertake placements of a one week block, or one day a week over a number of weeks.

Opportunities for students to participate in CIT programs, traineeships and the ASBA program are also strongly supported as part of the overall transition plan.

All students have a "Planning 4 Transition" (P4T) plan which identifies the student's individual needs and priorities for learning. The underlying focus of the plan is the identification of links for students with the appropriate post-school agencies and learning experiences that are transferable to independent community living. Students also participate in an annual mid year In School Review meeting which reviews the student's placement and progress towards achieving the goals in their P4T plan.

The Futures Program has demonstrated best practice in the provision of education and vocational training for college aged students with special educational needs as evidenced by the following awards:

- 2013 Schools First Impact Award (NAB) Winner ACT.
- 2009 ACT Training Excellence Awards — Winner — VET in Schools Excellence Award.
- 2009 Australian Training Awards — National Finalist — VET in Schools Excellence
- 2008 ACT Chief Minister's Inclusion Awards — inclusion in ACT Government or Agency
- 2007 ACT Department of Education Excellence Awards — Winner — Strengthening Collaborative Practices
- 2007 Training Excellence Awards — Winner — VET in Schools Excellence Award
- 2007 Australian Training Awards — National Finalist — VET in Schools Excellence Award

### *Inclusion Support Program and Itinerant Program*

The Inclusion Support Program and the Itinerant Program are available to students in mainstream classes who meet the ACT Student Disability Criteria and who have generated resourcing points through the Student Centered Appraisal process.

The ACT Student Disability Criteria covers the following area:

1. Intellectual Disability
2. Language Disorder
3. Physical Disability
4. Hearing Impairment or Deafness
5. Vision Impairment or Blindness
6. Pervasive Developmental Disorder
7. Mental Health Disorder
8. Chronic Medical Condition

Assistance for students who meet the criteria may be offered in a number of ways depending on the specific needs of the student. This decision is made through consultation with the student and staff to define the most appropriate delivery of support.

Examples of this support may include:

- Tutorial support in off lines
- Direct support in the classroom
- Professional development for staff on particular student needs. Provision of advice to staff on reasonable accommodations for tests and assignments
- Co-ordination of case meetings

**Further information may be obtained by contacting the Executive Officer on 6142 3288.**

# Technology

Technology encompasses a range of subjects including Automotive Technology, Design & Graphics, Furniture Construction, Metal Engineering and General Construction. Many of these courses can be studied at A, T or V levels. Students pursue strong academic and practical areas of study in these courses.

**All courses are subject to availability**

## Automotive Technology (A)

This course aims to provide students with an understanding of automotive vehicle systems and the operating principles of motor vehicles. The emphasis is on practical work including instruction in safe workshop practice and tool selection.

Students completing a major in this course will have the opportunity to undertake 5 days of Work Placement with a host employer.

### List of Units

- *Automotive Fundamentals*
- *Automotive Engine Systems*
- *Automotive Electrical Systems*
- *Automotive Vehicle Systems*

## CAD & 3D Animation (T/A)

The CAD course can be studied at either Tertiary (T) or Accredited (A) level. This course consists of design units that cover a broad range of technical and freehand drawing skills, computer aided drawing (CAD), design principles, graphic and presentation techniques, Australian drawing standards, 3D modelling, rendering and 3D animation. This course provides useful preparation for future study in tertiary subjects such as Architecture, Engineering, Interior Design, Graphic Design and Industrial Design. Students wishing to pursue a technical career at Diploma, Certificate or Trade course levels will also benefit from this course.

### List of Units

- *CAD Introduction*
- *CAD Engineering Design*
- *CAD Industrial Design*
- *CAD Manufacturing*
- *CAD Architecture*
- *CAD Intro to 3D Animation*
- *CAD Advanced*
- *CAD Advanced 3D Animation*

## Furniture Construction (A)

Through designing and making their projects students acquire the skills to use equipment, machinery and information technologies. They gain knowledge and experience of materials, systems and production processes and how to work independently and collaboratively.

### List of Units

- *Timber Furniture Construction*
- *Timber Furniture Project*
- *Timber Machining and Assembly*
- *Timber Furniture major Project*



## Design & Graphics (T/A)

The Design & Graphics course can be studied at either Tertiary (T) or Accredited (A) level. Over the course students will develop skills in freehand drawing, the design process, design principals, digital graphic skills, graphic and presentation techniques and typography. The Design & Graphics course is a stepping stone into future study in certificate or tertiary subjects such as Graphic Design, Interior Design, Industrial Design and Architecture.

### List of Units

- *Graphic Design*
- *Graphic Design Applications*
- *Graphic Design Typography*
- *Major Design Project*

## Metal Technology (A)

This course teaches students the manipulative and physical skills relating to the metals and engineering industry. The emphasis is on practical work including instructions in safe workshop practice and tool selection.

### List of Units

- *Introduction to Metal Technology*
- *Metal Technology Design*
- *Metal Technology*
- *Metal Technology Project*



Kiera Hakaria, BBQ Shelter Concept



Rhys Cheong, 3D Animation Scene

# Tourism & Event Management

## Tourism Studies (A/V)

In this course, students can gain a nationally recognised vocational Certificate II in Tourism. There are opportunities to visit tourism venues, both locally and interstate, and then to pursue further studies at CIT, or to enter the tourism industry locally, interstate or even overseas. To gain a Certificate II in Tourism students must study Tourism over four semesters.

Students also have the opportunity to participate in a five day Structured Work Placement with a host employer.

Attendance on excursions is encouraged and these are organised regularly to allow students to become familiar with local and regional tourist operations and attractions.

### List of Units

- *Introduction to Tourism (Includes 1 core unit of competence)*
- *Global Tourism (Includes 2 core units of competence)*
- *Working in Tourism (Includes 1 core unit of competence)*
- *Tourism and Events Promotion*

## Tourism and Event Management (T/A/V/M)

### List of Units

These units are taught at Tertiary Accredited and vocational Levels with the option for students to obtain a Certificate II in Tourism in addition to Year 12 Certification.

### *Tourism and Event Management*

This unit gives an overview of the dynamic tourism industry. It looks at issues of concern to the industry including globalisation, terrorism and ethical issues. Case studies within Australia are examined to explore tourism products and services. In addition marketing techniques and campaigns are reviewed at to capture

customer preferences.

### *Global Tourism*

This unit looks at global tourism issues and the rise in mass travel. Studies of environmental, economic, cultural and social impacts on host countries are analysed and discussed. As well as looking at specific international destinations students investigate the need for social and cultural sensitivity. An excursion to Sydney is a component of this course.

### *Working in Tourism*

This unit explores the functioning of tourism ventures and industry standards. Business processes and customer interactions are covered with a variety of creative workplace scenarios and applications.

### *Tourism and Events Promotion*

The focus is on understanding the events industry and in applying various marketing strategies to put on a display or actual event. Products, customers and the marketing of products and evaluating this process are essential components of this unit.



**BELINDA SHEPPARD, Treasured Tranquility, 2013.**  
Pencil on paper, 841 x 594 cm

# Visual Art

## Ceramics (T/A)

The Ceramics course is suitable for novice or experienced ceramicists, providing students with the opportunity to study in a range of construction and decoration techniques. It operates as an directed and experimental hands-on workshops giving all students opportunities to develop their strengths and interests in Ceramics.

Within each unit there is a balance between teacher directed work and student directed interest. There is a continued emphasis on students developing their own individual strengths and interest in the Ceramics. Ceramic history and theory will be related to the practical work being undertaken.

Each of the units have a skills and technique focus for the teacher directed class project. The student directed component of each unit will have a thematic focus to allow for students further explore decoration and construction techniques, including hand building, throwing and sculpture.

Two units will be offered each semester from the following:

### List of Units

- *Exploring Ceramics*
- *Ceramics, Decorating & Firing*
- *Ceramics, Sculpture and Mixed Media*
- *Ceramics Negotiated Study*



**KAYLA PIRIS**, *Fighting Back*, 2013. Graphite and watercolour on paper, 297 x 420 cm

## Visual Art (T/A)

The Visual Art course is comprehensive, providing students with the opportunity to study in a range of studio areas. It operates as an energetic and experimental hands-on program giving all students opportunities to develop their strengths and interests in Art.

Within each unit there is a balance between teacher-directed work and student-directed interest. There is a continued emphasis on students developing their own individual strengths and interest in the visual arts. Visual Art history and theory will be related to the practical work being undertaken.

Each of the units have a thematic focus for the teacher-directed class project, visual diary and literacy components. Individual students will elect to focus upon the student-directed component of each unit in one or more of the following studio areas: drawing, graphic design and investigation, mixed media, painting, printmaking, illustration and sculpture.

A selection of units will be offered each semester from the following:

### List of Units

- *Exploring Visual Arts*
- *Sculpture*
- *Painting*
- *Printmaking*
- *Culture and Identity*
- *Drawing*
- *Protest Art*
- *Visual Arts Negotiated Study*

### Course Patterns

- Art and Ceramics units may be combined to form a Major, Minor, Major/Minor or Double Major
- Students may transfer from T courses to A courses
- Year 11 Semester 1 units are either Exploring Ceramics or Exploring Visual Art

# Notes



ALBERT NG, *Small Reversal*, 2013.  
Acrylic on paper, 841 x 594 cm

*The College Handbook is correct at the time of publication*



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