

A young man with short brown hair, wearing a dark blue school uniform jacket over a white shirt, is smiling and looking back over his shoulder. He is holding two books; the one in front is black with the text 'THIS IS OUR STORY' and 'MUNDARING CHRISTIAN COLLEGE' visible. The background is a blurred outdoor setting with green trees and other students in uniform.

Year 11&12

2024 Course Guide



Mundaring
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Introduction to Senior Secondary School

Year 11 and Year 12 present students with new challenges and exciting experiences that prepare them for the appropriate pathways after they complete Year 12. We want to ensure that our students get the most out of their senior years at Mundaring Christian College. Therefore, it is vital that parents and students set some time aside to go through this course guide together so that they can make careful and informed decisions about subject selection and future pathways opportunities.

Making these choices can sometimes be daunting as students find a balance between courses that interest them and courses that they will achieve success in. We are here to help guide students through this process, so they make the best decision for their post-school futures. This handbook outlines the courses offered in Year 11 at Mundaring Christian College and explains how students can successfully receive their WACE (Western Australian Certificate of Education) after Year 12. Read this handbook thoroughly and refer to it often to clarify terminology, expectations, and requirements.

As students make the crucial transition from Year 10 to Year 11, they must understand the importance of their Year 11 and 12 education. Year 11 and 12 students at Mundaring Christian College are granted many privileges and in return, are expected to be responsible and respectable role models to younger students at our College by showing maturity and leadership.

We hope that the next two years will be an enjoyable learning experience for our students as they grow into young adults. When each student leaves Mundaring Christian College, we hope they will be prepared to take on the challenges of the wider world with the benefit of the character and values that are the heart of our College.

"For I know the plans I have for you," declares the LORD, "plans to prosper you and not to harm you, plans to give you hope and a future." Jeremiah 29:11

Useful Terminology

WACE	The Western Australian Certificate of Education is a certificate that demonstrates significant educational achievement over Year 11 and 12. It is generally required for entry into further study and employment.
Course	Most courses are at either General or ATAR level and comprise 4 units. Units 1 and 2 are studied in Year 11 and Units 3 and 4 are studied in Year 12.
Unit	A semester long section of a course. Four units throughout Year 11 and 12 make up one course.
ATAR Course	A two year Australian Tertiary Admissions Rank (ATAR) course consisting of 4 Semester units covered in Years 11 and 12 with an external examination at the end of Year 12. Students wanting to attend university usually enrol in at least four ATAR courses, one of which must be English or English Literature.
General Course	A two-year course consisting of 4 units covered in Year 11 and 12 which counts towards the WACE but not towards generating an ATAR.
English Language Competence	<div>Is attained upon:</div> <ul style="list-style-type: none">• Successful completion of at least 4 English course units in Year 11 and 12, and• Passing OLNA, or• Attaining Band 8 in Year 9 Naplan for Reading and Writing

OLNA	The Online Literacy and Numeracy Assessment enables students to demonstrate that they meet the minimum standard of literacy and numeracy that is required to receive their WACE.
VET	Vocational and Educational Training is designed to deliver workplace skills and knowledge over a wide range of careers. This includes trade work, office work, retail, hospitality, and technology.
TISC	The Tertiary Institutions Service Centre processes applications for admission into university undergraduate courses at the 4 public universities. For more info refer to: http://www.tisc.edu.au .
TEA	The Tertiary Entrance Aggregate is the total of a student's best four ATAR subjects at the end of Year 12 which is used to calculate their final ATAR.
WASSA	The Western Australian Statement of Student Achievement is issued to all Year 12 students who complete any study that contributes towards a WACE. It lists all courses and programs students have completed in Year 11 and 12.
ATAR	The Australian Tertiary Administration Rank is a number between 0.00 and 99.95 which is based on a student's overall academic achievement. It shows their position relative to all other students in their year of study. For example, if a student receives an ATAR of 88.50 they know that they are in the top 11.5% of students in their year of study in WA. ATAR is used for tertiary entrance.
SCSA	The School Curriculum and Standards Authority is responsible for Kindergarten to Year 12 curriculum, assessment, standards and reporting for all Western Australian Schools.
TAFE Colleges	Technical and Further Education Colleges or institutions provide a wide range of vocational tertiary education courses.
Tertiary Institutions	In WA these include The University of Western Australia, Murdoch University, Curtin University, Edith Cowan University, and The University of Notre Dame. Students may also enrol in interstate tertiary institutions.

Choosing Your Courses

1. **LOOK AT THE REQUIREMENTS:** to achieve a WACE and ensure your subject selection meets them. An outline of these requirements can be found in the next section of this Course Guide.
2. **CONSIDER YOUR INTERESTS:** Choose courses that you are passionate about and will be motivated to study for the next two years.
3. **CONSIDER YOUR FUTURE GOALS:** Spend some time looking at which pathway you would like to take after graduating from Mundaring Christian College, whether this will be tertiary education, training, or employment. As you do this, think about your career aspirations, which will guide your subject selection process.
4. **CONSIDER YOUR ABILITIES:** When choosing the type or level of course, ensure you challenge yourself while setting realistic goals. Consider your current achievements in particular subject areas as this will indicate your potential to achieve in Year 11 and 12 courses.
5. **ENSURE THAT YOU MEET THE REQUIREMENTS:** Ensure you meet the requirements for entry into a university or TAFE, as entry into their courses is often very competitive. They each have very specific and differing requirements. Also, find out about any course-specific prerequisites.
6. **ASK:** If you need advice, don't be afraid to ask teachers or contact the university or TAFE to find out more detail on course entry requirements. Contact Mr. David Pethick or Mrs. Julie Siebermaier in Academic Administration.



Students with Learning Support Requirements

Appropriate opportunities will be provided for students with learning support requirements to allow them to demonstrate their achievement of course objectives. It is vital that the College is made aware of any learning support requirements that students have so that we can ensure that each student is able to reach their academic potential.

Special consideration will be given to students who have a long-term illness or prolonged absences due to illness or disability. According to each circumstance, special arrangements regarding to assessments can be made with subject teachers.

In ATAR courses (when it is appropriate), extra time or the use of other adaptations during internal assessments may be granted to students who have diagnosed medical or learning support requirements. Testing must indicate that they fit the SCSA criteria for special consideration in external exams. Further advice can be sought from our Inclusive Education Department.

WACE Requirements

(Western Australian Certificate of Education)

TO ACHIEVE A WACE YOU WILL BE REQUIRED TO MEET:

A) Literacy and Numeracy Requirements

- Demonstrate a minimum standard of literacy and a minimum standard of numeracy (demonstrated through Band 8 NAPLAN achievement in Year 9 or successful completion of OLNA).

B) Breadth and Depth Requirements

- Complete a minimum of 20 units (ATAR and/or General Courses) or equivalent during Year 11 and Year 12, as described below (each unit is a semester's work).
- A minimum of 10, Year 12 units or the equivalent (five-year-long courses in Year 12).
- Two completed Year 11 English units (one year-long course) and one pair of completed Year 12 English units (one year-long course).
- One pair of Year 12-course units from each of List A (arts/languages/social sciences) and List B (mathematics/science/technology).

C) Achievement Standard Requirements

- Students will be required to achieve 14 'C' grades or better (or equivalent, see below) in Year 11 and Year 12 units, including at least six 'C' grades or better in Year 12 units (or equivalent).

D) Complete Required Courses

- Complete four or more Year 12 ATAR courses, or five or more year 12 General courses, or complete a single Certificate II or higher in VET in combination with ATAR, General or Foundation courses.



Achieving a WACE through VET

The maximum unit equivalence available is eight units; four Year 11 units and four Year 12 units. The amount of unit equivalence allocated to VET is as follows:

Certificate I - equivalent to two Year 11 units (2 'C's),

Certificate II - equivalent to two Year 11 and two Year 12 units (4 C's),

Certificate III - equivalent to two Year 11 and four Year 12 units (6 C's).

Certificate IV - equivalent to two Year 11 and four Year 12 units (6 C's).

Progress towards completion of a VET certificate is reported as 'limited' or 'satisfactory'; there is no unit equivalence for these courses towards WACE for semester work unless the VET course is completed at the end of Year 12. If you do not complete the course requirements to achieve an ATAR, we recommend that you enrol in a Cert. II qualification or higher. For more visit www.scsa.wa.edu.au.

Types of Courses

THERE ARE FOUR TYPES OF COURSES OFFERED AT MUNDARING CHRISTIAN COLLEGE:

1. **ATAR** course units for students who are aiming to enrol in a university course directly from school. These courses will be examined by the Authority and contribute to the achievement of an Australian Tertiary Admission Rank (ATAR). Most ATAR courses will require a minimum of three hours of home study each week. *ATAR is difficult, but not impossible.*
2. **General** course units for students who are aiming to enter further training or the workforce directly from school. These courses will not be examined by the Authority. However, they do require completion of an Externally Set Task (EST), set by the authority and completed by all students studying that course in the state during Year 12.
3. **Vocational Education and Training (VET)** courses for students participating in nationally recognised training, to meet standards as set by the Australian Skills Quality Authority, through a Registered Training Organisation. These are programs for students aiming to enter the workforce directly from school. We offer some courses through a partnership with the Swan Trade Training Centre (STTC). All Trade programs require students to complete a work experience component.
4. **Foundation** course units for those who need additional help in demonstrating the minimum standard of literacy and numeracy.



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ATAR Requirements

Based on our experience, we have identified that students who are able to achieve a 'B' grade in Year 10 courses normally achieve good results in ATAR subjects. Students who do not meet this requirement generally struggle to find success. It is better for a student to achieve a strong WACE than a poor ATAR score.

If a student doesn't meet the 'B' grade requirement for an ATAR subject, there is still an opportunity to apply for that ATAR course. This will involve a meeting with the Academic Administration team and the Head of Secondary. The student, with the guidance of their parents and the College, is expected to create and commit to a study plan (including setting a certain amount of hours of study to do each night) and set subject goals. This agreement is referred to as a Provisional ATAR Enrolment Agreement.

We encourage students to commit to good outcomes, rather than having to withdraw from courses due to low grades and unrealistic expectations. Students experience better outcomes when they are aware of success or liability in a subject early. Early awareness helps students make the right decision on what pathway to take moving forward. Parents, students, and College staff can discuss each student's unique situation during our Term 3 individual Pathway Meetings.

A student's ATAR is derived from the TEA, which is the sum of the best 4 final scores in ATAR courses. The final score in an ATAR course is a 50:50 combination of the Year 12 school mark and the ATAR exam. To arrive at the final combined mark for a course, several statistical processes (moderation, standardisation, scaling) are applied.

To read more about how your ATAR and TEA will be calculated visit:

<https://www.tisc.edu.au/static-fixed/statistics/misc/marks-adjustment-process.pdf>

More information about the ATAR is available at:

<https://www.tisc.edu.au/static/guide/atar-about.tisc>

Students must be enrolled in at least four ATAR courses to be eligible to receive an ATAR. The rank is used by universities as a selection mechanism and directly reports a student's position relative to other students. It allows students to be accurately compared year by year and also allows WA students to be directly compared with the results of students in other states.

What Is Your Pathway?

University

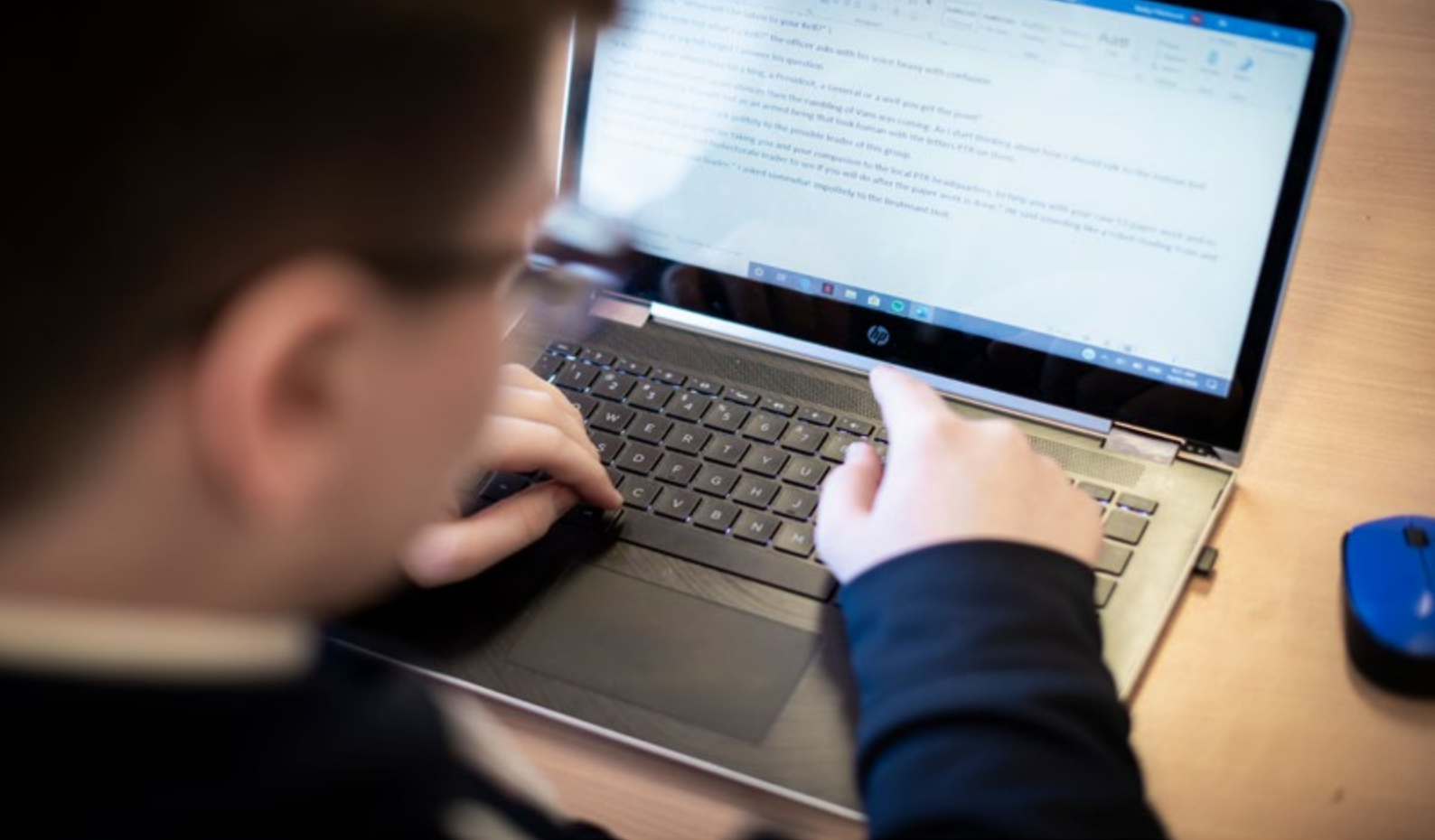
Students who choose the university pathway typically study ATAR courses over their senior secondary years with a minimum of four ATAR courses in Year 12.

Requirements for Tertiary Entrance are:

- An Australian Tertiary Admission Rank (ATAR) that is sufficiently high to gain a place in a particular institution, faculty, or course. The rank required varies from year to year and depends on places available in the selected course at a university and the standard of the applicants.
- Competence in English as designated by the university concerned – a scaled mark of at least 50 in ATAR English, English Literature, or English as an Additional Language. Students not achieving the standard can sit the STAT to demonstrate their English competency.
- The Western Australian Certificate of Education.
- The prerequisites designated for a particular university course (which will be outlined on the TISC website) – expected to be a scaled mark of at least 50 in the specified ATAR course.

The Tertiary Institutions Service Centre (TISC) provides a website with all these details, and this should be available at the end of Term 2. Their definitive statement on university admission can also be downloaded from their website

<http://www.tisc.edu.au>.



Visit the University Websites to See Tertiary Course Prerequisites

[Curtin University of Technology](#)

[Edith Cowan University](#)

[Murdoch University](#)

[Sheridan College](#)

[University of Notre Dame Australia](#)

[University of Western Australia](#)

[Other States & Institutions](#)

A document from TISC called 'University Admissions 2025' will be provided to students and parents.

<https://www.tisc.edu.au/static-fixed/guide/slar-2025.pdf>

State Training Provider

Students who wish to undertake further education and training through a state training provider (TAFE or equivalent) or entrance into the workforce after graduating, typically study VET & General units in Years 11 and 12.

Alternative Entry Pathways

THERE ARE SEVERAL WAYS TO GAIN ENTRY INTO A UNIVERSITY WITHOUT AN ATAR SCORE. IF YOU WOULD LIKE TO CONSIDER THESE OPTIONS, BE SURE TO ACCESS THE INFORMATION ON THE UNIVERSITY WEBSITES. THIS INFORMATION WAS CORRECT AT THE TIME OF PUBLICATION BUT IS SUBJECT TO CHANGE.

Alternative Entry Pathways

Edith Cowan University

- Experience-based entry to gain direct entry to a university course.
- Completion of a Cert IV or above.
- A University Preparation Course (UPC) is a very common way for non-ATAR students to bridge the gap between school and university. On completion of the UPC, students are eligible to be considered for entry to most undergraduate courses.
- Experience based entry: <https://www.ecu.edu.au/future-students/course-entry>

Murdoch University

- Students can apply if they have recently completed a TAFE Cert IV or higher.
- Portfolio Entry for many arts/media/communications courses.
- On Track Sprint - a free-4 week course for students with an ATAR between 60.00 and 69.95.
- On Track - a free 14-week program that enables students who don't qualify for entry through other pathways to gain entry to Murdoch.
- Several enrolling/bridging courses.
- Experience based entry: <https://www.murdoch.edu.au/study/pathways-to-uni>

The University of Notre Dame Australia

- Foundation Year Program- students whose academic ability is not shown by their current results or have experienced an educational disadvantage are selected for a one-year preparation program.
- Tertiary Enabling Program- students who did not meet current administration criteria are selected to do a one-semester preparation program.
- Experience based entry: <https://www.notredame.edu.au/study/pathways>

Curtin University

- Portfolio entry is available for selected courses.
- TAFE qualifications that satisfy Curtin's general entry requirements.
- UniReady Enabling one semester program; study mode is on-campus, online or a combination of both.
- Experience based entry: <https://www.curtin.edu.au/study/applying/pathways/>

The University of Western Australia

- Broadway - eligible students from identified schools receive an automatic ATAR 'boost', for example, students with an ATAR between 75 and 79.95 receive an adjusted selection rank of 80 to meet minimum entry requirements.
- Experience based entry: <https://www.uwa.edu.au/study/how-to-apply/admission-entry-pathways>

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LIST A



The following pages provide a brief outline of the content covered in each of the courses offered by Mundaring Christian College. Students are required to complete at least one pair of Year 12-course units from List A (arts/languages/social sciences) to achieve a WACE.

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Arts Courses

List A

Visual Arts (General)

The Visual Arts General course encompasses the practice and theory of the broad areas of art, craft, and design. Students have opportunities to express their imagination, develop personal imagery, develop skills, and engage in the making and presentation of artwork. They develop aesthetic understandings and a critical awareness that assists them to appreciate and make informed evaluations of art.

Assessment: 70% Practical, 30% Written. No Exam, Externally Set Task.



Media Production and Analysis (Film) (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10 English is required.

The Media Production and Analysis (Film) ATAR course aims to prepare students for a future in a digital and interconnected world by providing the skills, knowledge, and understanding to tell their own stories and interpret the stories of others. Students are encouraged to explore, experiment, and interpret their world, reflecting and analysing contemporary life, while understanding that this is done under social, cultural, and institutional constraints. Students, as users and creators of media products, consider the important role of audiences and their context. This course focuses on the application of media theory in the practical process.

Assessment: 50% Theory, 50% Practical, with Exam.

Media Production and Analysis (Film) (General)

The Media Production and Analysis General (Film) ATAR course aims to prepare students for a future in a digital and interconnected world by providing the skills, knowledge, and understanding to tell their own stories and interpret the stories of others. Students are encouraged to explore, experiment, and interpret their world, reflecting and analysing contemporary life, while understanding that this is done under social, cultural, and institutional constraints. Students, as users and creators of media products, consider the important role of audiences and their context. This course focuses on the development of technical skills in the practical process.

Assessment: 70% Practical, 30% Written. No Exam. Externally Set Task.

Drama (General)

The Drama General course focuses on drama in practice and aesthetic understanding as students integrate their knowledge and skills. They engage in drama processes such as improvisation, play building, text interpretation, playwriting, and dramaturgy. This allows them to create original drama and interpret a range of texts written or devised by others by adapting the theoretical approaches of drama practitioners like Stanislavski and Brecht. Students' work in this course includes production and design aspects involving directing, scenography, costumes, props, promotional materials, and sound and lighting. Increasingly, students use new technologies, such as digital sound and multimedia. They present drama to make meaning for a range of audiences and adapt their drama to suit different performance settings. The focus of this course is primarily on ensemble performance and teamwork.

Assessment: 70% Practical, 30% Written. No Exam. Externally Set Task.



Music (General)

Pre-requisite: A minimum of a 'C' grade in Year 10 Music electives, or some prior experience with an instrument or singing is recommended.

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

Assessment: 40% Practical, 60% Written. No Exam. Externally Set Task.

English Courses

List A

All students are required to complete an English course.

All students planning on going to University should study ATAR English or English Literature.

Literature (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10 English is required.

In the Literature ATAR course, students read and write literary texts including essays, poems, short stories, plays, and multimodal works. Students engage with literary theory and study literary texts in great detail. Students learn to read texts in terms of their cultural, social, and historical contexts; their values and attitudes; and their generic conventions and literary techniques. They enter discourse about readings, reading practices, and the possibility of multiple readings. Students learn to create texts by paying attention to contexts, values, and conventions. Students learn about literary language, narrative, image, and the power of representation. Students experience the aesthetic and intellectual pleasure that reading and creating literary texts can bring.



English (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10 English is required.

The English ATAR course focuses on developing students' analytical, creative, critical thinking, and communication skills in all language modes. It encourages students to critically engage with texts from their contemporary world, texts from the past, texts from Australian culture, and texts from other cultures. Through engagement with texts from a wide range of contexts, students will develop a sense of themselves, their world, and their place within it.

Through close study and wide reading, viewing, and listening, students develop the ability to analyse and evaluate the purpose, stylistic qualities, and conventions of texts, and enjoy creating their own imaginative, interpretive, persuasive, and analytical responses. The English ATAR course is designed to develop students' facility with all types of texts and language modes and to foster an appreciation of the value of English for lifelong learning. They learn to speak and write fluently in a range of contexts and to create a range of text forms. They hone their oral communication skills through discussion, debate, and argument, in a range of formal and informal situations.

English (General)

The English General course focuses on consolidating and refining the skills and knowledge needed by students to become competent, confident, and engaged users of English in everyday, community, social, further education, training, and workplace contexts. The English General course is designed to provide students with the skills that will empower them to succeed in a wide range of post-secondary pathways. Students develop their language, literacy, and literary skills to enable them to communicate successfully both orally and in writing. The course aims to help students discover a sense of enjoyment and value in using language for both imaginative and practical purposes.

Students comprehend, analyse, interpret and evaluate the content, structure, and style of a wide variety of oral, written, multimodal, digital, and media texts. Students learn how the interaction of structure, language, audience, and context helps to shape how the audience makes meaning. Both independently and collaboratively, students then apply their knowledge to create analytical, imaginative, interpretive, and persuasive texts in different modes and media.

Humanities Courses

List A

Modern History (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10 HASS is required.

Students will study the forces that have shaped today's world and develop a broader and deeper comprehension of the world in which they live. While the focus is on the 20th century, the course refers back to formative changes from the late 18th Century onwards and encourages students to make connections with the changing world of the 21st century. Modern history enhances students' curiosity, imagination, and appreciation of larger themes, individuals, movements, events, and ideas that have shaped the contemporary world.

The Modern History ATAR course begins with a study of key developments that have helped to define the modern world, with special attention given to important ideas and their consequences. The themes that run through the units include local, national and global conflicts and their resolution; the rise of nationalism and its consequences; the decline of imperialism and the process of decolonisation; the continuing struggle for the recognition of human rights; the transformation of social and economic life; the regional shifts in power and the rise of Asia; and the changing nature and influence of ideologies.

Geography (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10 HASS is required.

The study of the Geography ATAR course enables students to appreciate the complexity of our world and the diversity of its environments, economies, and cultures and uses this knowledge to promote a more sustainable way of life and awareness of social and spatial inequalities.

In the senior secondary years, the Geography ATAR course provides a structured disciplinary framework to investigate and analyse a range of challenges and associated opportunities facing Australia and the global community. These challenges include rapid change in biophysical environments, the sustainability of places, dealing with environmental risks, and the consequences of international integration. This course draws on students' curiosity about the diversity of the world's places, dealing with environmental risks, and the consequences of international integration. This course draws on student's curiosity and the diversity of the world's places and the peoples, cultures, and environments.

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LIST B



Students are required to complete at least one pair of Year 12-course units from List B (Mathematics, Science, technology) to achieve a WACE.

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Mathematics Courses

List B

Mathematics Specialist (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10A Mathematics is required.

Note: [Students enrolled in Mathematics Specialist must also enrol in Mathematics Methods.](#)

This course provides opportunities, beyond those presented in the Mathematics Methods ATAR course, to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. Mathematics Specialist contains topics in functions and calculus that build on and deepen the ideas presented in the Mathematics Methods course, as well as demonstrate their application in many areas. The Mathematics Specialist course also extends understanding and knowledge of statistics and introduces the topics of vectors, complex numbers, and matrices. Mathematics Specialist is the only ATAR mathematics course that should not be taken as a stand-alone course. It is recommended to be studied in conjunction with the Mathematics Methods ATAR course as preparation for entry to specialised university courses such as Engineering, Physical Sciences, and Mathematics.

Mathematics Methods (ATAR)

Pre-requisite: A minimum of a 'B' grade in 10A Mathematics or 'A' grade in Year 10 Level 2 Mathematics is required.

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



Mathematics Applications (ATAR)

Prerequisite: A minimum of a 'C' grade in Year 10A Mathematics or a 'B' grade in Year 10 Level 2 Mathematics is required.

Mathematics Applications is an ATAR course that focuses on the use of mathematics to solve problems in contexts that involve financial modelling, geometric and trigonometric analysis, graphical and network analysis, and growth and decay in sequences. It also provides opportunities for students to develop systematic strategies based on the statistical investigation process for answering questions that involve analysing univariate and bivariate data, including time-series data.

Mathematics Essentials (General)

The Mathematics Essential General course focuses on using mathematics effectively, efficiently, and critically to make informed decisions. It provides students with the mathematical knowledge, skills, and understanding to solve problems in real contexts for a range of workplace, personal, further learning, and community settings. This course provides the opportunity for students to prepare for post-school options of employment and further training.

Science Courses

List B

Chemistry (ATAR)

Prerequisite: A minimum of a 'B' grade in Year 10 Science and Year 10 Mathematics is required.

The Chemistry ATAR course is the study of materials and substances and the transformations they undergo through interactions and the transfer of energy. Students recognise hazards and make informed, balanced decisions about chemical use and sustainable resource management. Investigations and laboratory activities develop an appreciation of the need for precision, critical analysis and informed decision making. Chemists can use an understanding of chemical structures and processes to adapt, control and manipulate systems to meet particular economic, environmental, and social needs. This includes addressing the global challenges of climate change and security of water, food, and energy supplies, and designing processes to maximise the efficient use of Earth's finite resources.

Chemistry develops student's understanding of the key chemical concepts and models of structure, bonding, and chemical change, including the role of chemical, electrical and thermal energy. Students learn how models of structure and bonding enable chemists to predict properties and reactions and to adapt these for particular purposes. Chemistry provides students with a suite of skills and understandings that are valuable to a wide range of further study pathways and careers. An understanding of chemistry is relevant to a range of careers, including those in Forensic Science, Environmental Science, Engineering, Medicine, Dentistry, Pharmacy, and Sports Science.

Biology (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10 Science is required.

The Biology ATAR course leads students to develop a unique appreciation of life and a better understanding of the God's Creation. This course encourages students to be analytical, to participate in problem-solving and to systematically explore fascinating and intriguing aspects of living systems, from the microscopic level through to ecosystems.

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



Human Biology (ATAR)

Pre-requisite: A minimum of a 'B' grade in Year 10 Science is required.

The Human Biology ATAR course leads to a greater understanding and appreciation of humans as unique creations of God. Students learn about the structure and function of the human body; reproduction, inheritance, variation, the theory of evolution, and new biotechnological processes. Completion of the course help equip students to become responsible citizens, and make informed decisions about matters relating to lifestyle and health. An understanding of human biology could be valuable to future career paths in fields such as science education, medical and para-medical fields, food and hospitality, childcare, sport, and social work.

Physics (ATAR)

Prerequisite: A minimum of a 'B' grade in Year 10 Science and Year 10 Mathematics is required.

Physics is an ATAR course and a fundamental science that endeavours to explain all the natural phenomena that occur in the universe. Its power lies in the use of a comparatively small number of assumptions, models, laws, and theories to explain a wide range of phenomena, from the incredibly small to the incredibly large. Physics has helped to unlock the mysteries of the universe and provides the foundation of understanding upon which modern technologies and all other sciences are based. Models, laws, and theories are developed from, and their predictions are tested by, making observations and quantitative measurements.

The Physics ATAR course uses qualitative and quantitative models and theories based on physical laws to visualise, explain and predict physical phenomena. Students gather, analyse and interpret primary and secondary data to investigate a range of phenomena and technologies using some of the most important models, laws, and theories of physics, including the kinetic particle model, the atomic model, electromagnetic theory, and the laws of classical mechanics.

Health & Physical Education Courses

List B

Mountain Biking Endorsed Program

Completing the year-long Mountain Biking Endorsed Program is equivalent to two ‘C’ grades towards WACE.

Mountain biking is much more than a sport designed for daredevils and athletes; it offers a lifestyle that appeals to the needs of a huge variety of people. This program is a progression from a lower-school specialist Mountain Bike Program, (Years 7-10). It is designed to build and extend beyond the basic skills and knowledge of Mountain Biking. The aim is not simply to develop student’s riding skills, but to develop their trail building, mechanical, and First Aid skills for personal enjoyment, and potentially a career in the booming Mountain Biking industry.

Outdoor Education (General)

Through interaction with the natural world, the Outdoor Education General Course aims to develop an understanding of our relationships with the environment, others, and ourselves. This course focuses on outdoor activities in a range of environments, including bushwalking, water sports, climbing, and orienteering. It provides students with an opportunity to develop essential life skills and physical activity skills, and an opportunity to develop a comprehensive understanding of the environment and develop a positive relationship with nature. The course also provides students with opportunities to develop skills that will enable them to pursue personal interests and careers in outdoor pursuits, primary industries, environmental management, or ecotourism. Students involved in this course will participate in 2 camps totaling 5 days and 4 nights. Therefore, this course is not recommended for ATAR students.



Specialist Basketball (General)

Using the WACE Physical Education (General) curriculum, this course will allow students to continue developing their basketball skills to the highest playing level. They will explore the theory of complex interrelationships between motor learning and psychological, biomechanical, and physiological factors that influence individual and team performance. Students will engage as athletes, coaches, analysts, and leaders with the opportunity to take on volunteer and leadership roles in the local domestic basketball competition.

To qualify for this course, students must have achieved a C grade or higher in the Specialist Basketball course in Year 10 or demonstrate equivalent playing experience outside the school basketball program. Students are also preferred to have achieved a C grade or higher in Year 10 Science, particularly the biological components of the curriculum.

This course will lead to opportunities to achieve coaching qualifications with Basketball Australia. It will open up pathways for study in the VET and Higher Education sectors in the fields of Sports Science, Sport and Recreation, Sports Management and other related areas.

Technology Courses

List B

Materials Design and Technology (General)

The Materials Design and Technology General course is a practical course. The course gives teachers the choice to explore and use three materials: metal, textiles, and wood, with the design and manufacture of products being the major focus. This course will focus on wood and use the Wood Technology workshop and facilities. There is also the flexibility to incorporate additional materials from outside the designated contexts.

Working with materials, students develop a range of manipulation, processing, manufacturing, and organisational skills. When designing with materials, they develop cognitive skills, such as solving problems, generating ideas, creative design strategies, and communicating what they do. This makes them more technologically literate and, as consumers, enables them to make more informed decisions about the use and misuse of technology.

Children, Family, and the Community (General)

The Children, Family, and the Community General course focus on factors that influence human development and the wellbeing of individuals, families, and communities. Students explore the health of individuals and communities and the protective and preventative strategies that impact growth and development. They engage in shared research, and examine goal setting, self-management, decision making, communication, and cooperation skills when creating products, services, or systems that will assist individuals, families, and communities to achieve their needs and wants. Contemporary Australian issues or trends relating to families and communities at the state and national level are examined in practical ways.



Swanonline

Mundaring Christian College has an in-principle arrangement with Swanonline. Where a student has a clear desired pathway, not currently available at the College, and the student has a proven record of commitment to their studies and maturity in terms of responsibility and self-motivation; they may, in consultation with the College and parents, consider subject offerings available from Swanonline. It would be reasonable to only consider one online course for the year.

Subject to Swanonline's course offerings, in 2023 the offerings were:

ATAR Courses

Economics (List A)

General Courses (non-ATAR)

Science in Practice General (List B)

Modern History General (List A)

Further information can be found from our Academic Team. Final details will be advised towards the end of the year.

Economics ATAR (Swan online)

Prerequisite: A minimum of a 'B' grade in Year 10 HASS is required.

Economics explores the choices that all people, groups, and societies face as they confront the ongoing problem of satisfying their unlimited wants with limited resources. The Economics ATAR course aims to develop students' ability to analyse the allocation, utilisation, and distribution of scarce resources that determine our wealth and wellbeing. The study of Economics provides a framework for examining society's issues and identifying possible solutions which assist decision-making. The emphasis of the course is on the Australian economy.

Science in Practice General (Swan online)

The Integrated Science General course enables students to investigate science issues in the context of the world around them. It encourages students to develop their scientific skills of curiosity, observation, collection, and analysis of evidence, in a range of contexts. The multidisciplinary approach, including aspects of biology, chemistry, geology, and physics, further encourages students to be curious about the world around them and assume a balanced view of the benefits and challenges presented by science and technology. Students conduct practical investigations that encourage them to apply what they have learned in class to real-world situations and systems.

Modern History General (Swan online)

Studying the Modern History General course exposes students to a variety of historical sources, including government papers, extracts from newspapers, letters, diaries, photographs, cartoons, paintings, graphs, and secondary sources, to understand the historical narrative including cause and effect, and the forces influencing people and events. Through the process of historical inquiry, students are encouraged to question historical sources; identify various representations and versions of history; use evidence to formulate and support their interpretations, and communicate their findings in a variety of ways.

Vocational Education and Training (VET) Courses

BSB30120 - Certificate III in Business



RTO: IVET Institute

RTO Code 40548

This VET Certificate III qualification allows individuals to develop basic skills and knowledge to prepare for work. It is a course that will suit any student who enjoys working with IT or who just likes being organised. Students will learn the basics of spreadsheets, communications, word processing, and other digital media used in the workplace. In today's world, these skills are needed in most workplaces. Competencies studied include: delivering a service to customers in an industry context; working effectively in a business environment; information management; process and maintaining workplace information; handle mail innovation; contribute to workplace innovation; interpersonal communication; communication in the workplace; applying basic communication skills; IT use; produce simple word processed documents; create and use spreadsheets; communicate electronically; small and micro-business; identify suitability for micro-business; sustainability; participate in environmentally sustainable work practices; organise and complete daily work activities; work effectively with others; use business technology.

AHC20416 - Certificate II Horticulture



RTO: Advanced Institute of Education and Training

RTO Code 121314

Do you enjoy the outdoor life and working with plants? When you complete a Certificate II in Horticulture, you will have the skills and knowledge to work effectively in the Horticultural industry, landscaping, irrigation, pruning, planting, treating weeds and pests, and workplace safety and health.

You will be ready for a career working with plants in local councils, government authorities, schools, hospitals, nurseries, garden centres, private contractors, or in self-employment. You might have a lawn-mowing round, work as a private consultant in landscaping, or work in, or manage a Nursery.

Once completed, graduates can continue their studies in Certificate III in Horticulture at tertiary institutions.

CT30120 - Cert III Information Technology



RTO: IVET Institute

RTO Code 40548

The Certificate III in Information Technology course provides the skills and knowledge for students to be competent in a wide range of general Information and Communication Technology (ICT) technical functions and to achieve a standard of self-sufficiency as an advanced ICT user. Students will have the opportunity to gain experience in a range of content such as animation, basic cloud computing, basic cyber awareness, digital media skills, generalist IT support services, networking, programming, systems, and web development. Students will learn to apply a broad sets of skills, including foundational knowledge in critical thinking and customer service skills, to support a range of technologies, processes, procedures, policies, people, and clients in a variety of work contexts. This course is suitable for anyone interested in pursuing a career in Information Technology or for anyone who would just like to consolidate their existing skills in working with ICT.

SIT30616 - Certificate III in Hospitality

* Please note this course runs as a full day's program where students do not attend their regular timetable classes for the allocated day.



RTO: Training Institute Australasia

RTO Code 52612

This VET qualification is suitable for an Australian Apprenticeship pathway. We offer a Certificate III school-based traineeship course. This qualification provides a pathway to work in organisations such as restaurants, hotels, motels, clubs, pubs, cafes, and coffee shops. It provides options for specialisation in areas such as accommodation services, food and beverage, and gaming. The qualification also enables an outcome for small businesses requiring multi-skilled employees.

This qualification delivers the basic foundations and content for students to develop skills and knowledge used in the hospitality industry, specialising in various styles and cooking techniques. Students learn how to apply safe work practices and learn 'front of house' skills, giving them greater career opportunities within the industry. Possible job titles include espresso coffee machine operator; food and beverage attendant; front desk receptionist; function attendant; function host; housekeeper; restaurant host; senior bar attendant; waiter.

This course is a practical, fast-paced VET subject that is suited for students who have confidence in preparing food, use initiative, and common sense in decision making, aren't afraid of hard work, and enjoy interacting with adults and students in a collaborative environment. This course provides a window of opportunity into the world of travel, working part or full-time in the hospitality industry. It is more focused on catering and students will prepare, cook, serve, interact with customers, and clean as part of their paid traineeship. As it is a Certificate III level, regular written assignments and theoretical work are required to be completed at home.

VET Courses Offered in Partnership with Swan Trade Training Centre



The Swan Trade Training Centre (STTC) in Middle Swan offers fixed two-year courses over Years 11 and 12 which contribute to supporting students to graduate from Mundaring Christian College with their WACE. Students attend the STTC on Fridays only. Compulsory Work experience will be completed in one-week blocks each term.

The STTC offers Certificate II school-based pre-apprenticeship pathway courses in Carpentry, Electrotechnology, and Metal and Engineering Fabrication.

Further Details to be Confirmed.



External VET, Work Place Learning and Endorsed Programs

External VET

Students may opt to study an alternative VET course from a private VET training provider or TAFE WA. Where applicable these can be studied during our Friday program or online throughout the week. Past examples include Animal Studies, Automotive, and Nursing Preparation courses, as well as Educational Support. Further information can be found from Mr. Brendon Barker. Some courses may attract an additional cost.

Work Place Learning (Endorsed Program)

Students wishing to gain formal work experience can arrange to take Work Place Learning through our partnership organisation Work Link. Students can complete work experience during the Friday program, or the holidays or the exam period for students studying General courses. This may enable students to have private study in their timetable in Year 11. Further information can be found from Mr. David Pethick.

Endorsed Programs

Students may be entitled to WACE unit equivalence for programs endorsed by the SCSA board. Examples include Duke of Edinburgh, Surf Life Saving, etc. See Mr. David Pethick for more information.

Endorsed programs can be found here:

<https://senior-secondary.scsa.wa.edu.au/syllabus-and-support-materials/endorsed-programs/authority-developed-endorsed-programs>

If you have any questions, please contact Academic Administration.

Email: reception@mundaringcc.wa.edu.au

Our campuses are open Monday to Friday, 8:30 am - 4:00 pm.

Telephone: (08) 9295 2688

Email: reception@mundaringcc.wa.edu.au

www.mundaringcc.wa.edu.au

Mundaring Primary Campus
1605 Walker Street
Mundaring WA 6073

Parkerville Secondary Campus
125 McDowell Loop
Parkerville WA 6081



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