



HILLSIDE
CHRISTIAN COLLEGE

Year 11 Subjects 2024

Year 11 Course Descriptors

2024 Subject Offerings

English

English	ATAR General	Mr Skipworth Miss Magenta
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Mathematics

Mathematics Methods	ATAR	Mrs Pan
Mathematics Applications	ATAR	Mrs Pan
Mathematics Essential	General	Mr Akhabue
Mathematics Foundation	Foundation	Mr Akhabue

Arts

Media Production & Analysis	General	Miss Bergsma
Music	General	Mr Leaney
Visual Arts	ATAR & General	Mrs Pelecanos / Mrs Phipps
Certificate II in Visual Arts	VET	Mrs Phipps

Health & Physical Education

Outdoor Education	ATAR & General	Mr Murphy
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Humanities & Social Sciences

Religion & Life	ATAR & General	Miss Magenta
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Science

Human Biology	ATAR & General	Mr Williams
Chemistry	ATAR	Mrs Pan
Physics	ATAR	Mr Murphy
Psychology	ATAR & General	Mr Skipworth

Technologies

Applied Information Technology	ATAR & General	Mr Leaney
Materials Design & Technology (Wood)	General	Mr Phipps
Certificate III in Business	VET	Mr Leaney

Please Note: Students who have achieved a low C grade may experience difficulty in further study of the subject at an ATAR level.

Information given for ATAR subjects within the area of prerequisite is a guide for the general consideration of a student being able to undertake the course being considered successfully. Discussions should always be held with subject teachers, the Year 11/12 coordinator, Miss Magenta, or the deputy of the Secondary College, Mr Turton, if clarification or advice is required.

For further details please also visit: [School Curriculum and Standards Authority \(SCSA\)](http://www.scsa.wa.edu.au)
www.scsa.wa.edu.au

ENGLISH

ENGLISH

ATAR

The English ATAR course focuses on developing students' analytical, creative, and critical thinking and communication skills in all language modes, encouraging students to critically engage with texts from their contemporary world, the past, and from Australian and other cultures. 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 to enjoy creating imaginative, interpretive, persuasive and analytical responses in a range of written, oral, multimodal and digital forms.

Prerequisites

Minimum: 'C' grade in Year 10 English for Semester One
Recommended: 'B' grade or higher in English for Semester One
Notes: Achievement of Band 8 or higher in NAPLAN Literacy in Year 9 NAPLAN testing.

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 course is designed to provide students with the skills to succeed in a wide range of post-secondary pathways by developing their language, literacy and literary skills. Students comprehend, analyse, interpret, evaluate and create analytical, imaginative, interpretive and persuasive texts in a range of written, oral, multimodal and digital forms.

MATHEMATICS

MATHEMATICS METHODS

ATAR

This course 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, 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 Methods provides a foundation for further studies in disciplines in which mathematics and statistics have important roles. It is also advantageous for further studies in the health and social sciences. In summary, this course is designed for students whose future pathways may involve mathematics and statistics and their applications in a range of disciplines at the tertiary level.

Prerequisites

Minimum:	'B' grade in Year 10 mainstream Maths for Semester One
Recommended:	'A' grade in Year 10 mainstream Maths for Semester One
Notes:	Achievement of Band 9 or higher in NAPLAN Numeracy in Year 9 NAPLAN testing.

MATHEMATICS APPLICATIONS

ATAR

This course 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 statistical questions that involve analysing univariate and bivariate data, including time series data. The Mathematics Applications ATAR course is designed for students who want to extend their mathematical skills beyond Year 10 level, but whose future studies or employment pathways do not require knowledge of calculus. The course is designed for students who have a wide range of educational and employment aspirations, including continuing their studies at university or TAFE.

Prerequisites

Minimum:	'C' grade in Year 10 mainstream Maths for Semester One
Recommended:	'B' grade in Year 10 mainstream Maths for Semester One
Notes:	Achievement of Band 8 or higher in NAPLAN Numeracy in Year 9 NAPLAN testing.

MATHEMATICS ESSENTIAL

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.

MATHEMATICS FOUNDATION

FOUNDATION

The Mathematics Foundation course focuses on building the capacity, confidence and disposition to use mathematics to meet the numeracy standard for the WACE. This course is for students who have not demonstrated the numeracy standard in the OLNA. It provides students with the knowledge, skills and understanding to solve problems across a range of contexts including personal, community and workplace/employment. This course provides the opportunity for students to prepare for post-school options of employment and further training.

ARTS

MEDIA PRODUCTION & ANALYSIS

GENERAL

The Media Production and Analysis General course aims to prepare students for a future in a digital and interconnected world by providing the skills, knowledge and understandings 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.

MUSIC

This course is designed for the more advanced music student who has demonstrated success in this subject in lower secondary school. Students who choose to study Music are assumed to be continuing from Year 10 music option; students should not elect to study music in Year 11 unless they have studied it previously. Students must have an interest in supporting performance or performing.

GENERAL

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, 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.

VISUAL ARTS

In the Visual Arts courses, students engage in traditional, modern and contemporary media and techniques within the broad areas of art forms. The course promotes innovative practice. Students are encouraged to explore and represent their ideas and gain an awareness of the role that artists and designers play in reflecting, challenging and shaping societal values. The Visual Arts courses cover practical studio work as well as analysis and research tasks. The Upper School course follows on from Yr 10 Textiles, Drawing, Ceramics or Fibres & Printmaking.

ATAR

The ATAR course is designed for strong students who have demonstrated success using Visual Mediums to express ideas and are also capable writers. The course is aimed at those who are considering University entrance or those who are interested in a Visual Arts related career. The ATAR course is 50% practical studio work and 50% written assignment covering Artist research and Visual analysis. In the practical component students conceive, design and create resolved artworks suitable for exhibition. ATAR students are expected to work independently through their individual design process which allows them to select the materials, mediums and art styles that best suit them and best communicate their ideas.

Prerequisites

Minimum: 'C' grade in Year 10 English for Semester One
Recommended: 'B' grade in Drawing, Ceramics, Fibres & Printmaking or Textiles
Notes: Sound writing skills are required. Passed OLN writing. Strong Art skills are required.

GENERAL

The General course is designed for students who have a reasonable level of interest and some experience using Visual Mediums to express ideas. The course is aimed at those who enjoy working on Visual Arts projects and can find meaning and purpose in other people's artworks and their place in history. The course prepares students to face the world with strong problem-solving skills and the ability to work independently through challenges. The General course is 70% practical studio work and 50% research and analysis. The research and analysis assessments mostly take the form of short answer assessments or poster presentation of research. General students are given themes and designated materials with which to work, but a student who has a strong idea can gain approval to use alternate materials for each project.

Prerequisites

Minimum: 'C' grade in Year 9 or 10 Drawing, Ceramics, Print & Fibre or Textiles

VET COURSE – Certificate II in Visual Art (CUA20720)

This qualification reflects the role of individuals who are developing the basic creative and technical skills that underpin visual arts and craft practice. It applies to work in different visual arts, craft, and design environments.

The job roles that relate to this qualification may include Ceramics Studio Trainee, Community Arts Workshop Assistant and Arts Practitioner. It also provides a pathway to other visual arts, craft, and design job roles.

The course covers 4 core and 5 elective units. Units incorporate research, knowledge, practical application and production and reflection and feedback.

Prerequisites

Recommended: 'C' grade in a Year 10 Visual Arts subject.

HEALTH & PHYSICAL EDUCATION

OUTDOOR EDUCATION

All students participating in Outdoor Education should have average or better swimming ability.

ATAR

Through interaction with the natural world, the Outdoor Education ATAR course aims to develop an understanding of our relationships with the environment, others and ourselves, and ultimately contribute towards a sustainable world. The integrated approach within this course allows for practical activities, theoretical concepts, and relationship with the environment to be incorporated into a meaningful program of learning. It provides students with an opportunity to develop essential life skills and physical activity skills, an opportunity to develop a comprehensive understanding of the environment and develop a positive relationship with nature. The course aims to develop self-awareness and leadership through opportunities to plan for, and facilitate, outdoor experiences. The course will prepare students for career and employment pathways in areas such as outdoor leadership, environmental interpretation, environmental planning, facilities management, eco-tourism, military service, outdoor education, and the many unforeseen areas evolving in the outdoors industry.

Prerequisites

Minimum: 'C' grade in Year 10 English for Semester One

Recommended: 'C' grade or higher in English for Semester One.

Notes: Sound writing skills required. Achievement of Band 8 or higher in NAPLAN Literacy in Year 9 NAPLAN testing.

GENERAL

Through interaction with the natural world, Outdoor Education aims to develop an understanding of our relationships with the environment, others and ourselves. The Outdoor Education General course focuses on outdoor activities in a range of environments, including bushwalking, sailing, 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, environmental management, or eco-tourism.

HUMANITIES & SOCIAL SCIENCES

RELIGION & LIFE

ATAR

The Religion and Life ATAR course provides students with opportunities to explore how and why individuals and communities relate to and understand religion. Students use a range of inquiry skills to explore at least one religious worldview and to investigate characteristics of religion, their origins, foundations, cultural influences and development over time. They also use these skills to analyse the role religion plays in society and to consider the challenges and opportunities religions face in the future.

Prerequisites

Minimum: 'C' grade in Year 10 English and HASS for Semester One

Recommended: 'C' grade or higher in Year 10 English for Semester One

Notes: Strong writing skills required. Achievement of Band 8 or higher in NAPLAN Literacy in Year 9 NAPLAN testing.

GENERAL

The Religion and Life General course provides students with opportunities to learn about religion and to explore the relationship between religion, society and individuals. Using a range of inquiry skills students develop an understanding of ways in which people discover, understand and express their religious beliefs. They also use these skills to explore one or more religions in detail, to analyse the role religion plays in human affairs and to explore issues of concern to religion.

SCIENCE

HUMAN BIOLOGY

ATAR

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

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

Prerequisites

Minimum: 'C' grade in Year 10 English and Science for Semester One

Recommended: 'B' grade or higher in Year 10 Science for Semester One

Notes: Passed OLNA Literacy components.

GENERAL

The General Human Biology course aims to make responsible citizens who need to be able to evaluate risks, ethical concerns and benefits to make informed decisions about matters relating to lifestyle and health. With an understanding of human biology, students are more able to make better life decisions, and to be more effective contributors to the discussions related to health issues in the community. This is especially so in a society that often has contradictory values related to human life and morality compared to Biblical precepts .

An understanding of human biology is valuable for a variety of career paths. This course deals directly and indirectly with many different occupations in areas such as social work, medical and paramedical fields, food and hospitality, childcare, sport, science, and health education. Appreciation of the range and scope of such professions broadens students' horizons and enables them to make informed choices. This helps to prepare all students, regardless of their background or career aspirations, to take their place as responsible citizens in society.

CHEMISTRY

ATAR Only

The Chemistry ATAR course equips students with the knowledge, understanding and opportunity to investigate properties and reactions of materials. Theories and models are used to describe, explain and make predictions about chemical systems, structures and properties. 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.

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

Prerequisites

Minimum:	'C' grade in Year 10 English & Science for Semester One
Recommended:	'B' grade in Year 10 Science for Semester One
Notes:	Achievement of Band 8 or higher in NAPLAN Literacy and Numeracy in Year 9 NAPLAN testing.

PHYSICS

ATAR Only

In the Physics ATAR course students will learn how energy and energy transformations can shape the environment from the small scale, in quantum leaps inside an atom's electron cloud, through the human scale, in vehicles and the human body, to the large scale, in interactions between galaxies. Students have opportunities to develop their investigative skills and use analytical thinking to explain and predict physical phenomena. Students plan and conduct investigations to answer a range of questions, collect and interpret data and observations, and communicate their findings in an appropriate format. Problem-solving and using evidence to make and justify conclusions are transferable skills that are developed in this course.

Prerequisites

Minimum:	'B' grade in Maths and Science in Year 10 Semester One
Recommended:	'A' grade in Maths and Science in Year 10 Semester One
Notes:	Achievement of Band 9 or higher in NAPLAN Literacy and Numeracy areas in Year 9 NAPLAN testing.

PSYCHOLOGY

ATAR

In the Psychology ATAR course students will be introduced to psychological knowledge which supports an understanding of the way individuals think, feel and behave in different contexts. Students learn about major psychological theories, studies and models, and conduct scientific investigations. Students develop skills to apply their psychological knowledge to explain thoughts, feelings and behaviours in the everyday world. Students apply the principles of scientific inquiry and ethical guidelines as they analyse data used to examine phenomena, such as developmental stages, memory, attention, attitudes, personality and social influence. An understanding of psychology is very useful, both to individuals and those assisting us to improve ourselves and our relationships, and to society as a whole.

Prerequisites

Minimum: 'C' grade in English and Science in Year 10 Semester One

Recommended: 'B' grade in English and Science in Year 10 Semester One

Notes: Passed OLNA Literacy and Numeracy. Sound writing and research skills required.

GENERAL

In the Psychology General course students will be introduced to psychological knowledge which supports an understanding of the way individuals function in groups. Students learn about well-known psychological models and theories, and the methods used to conduct scientific investigations in the discipline of psychology. Acquiring this foundation of scientific method and critical thinking is a valuable skill which students can apply throughout their study, work and everyday lives.

TECHNOLOGIES

APPLIED INFORMATION TECHNOLOGY

ATAR

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

Prerequisites

Minimum: 'C' grade in Year 10 English for Semester One

Recommended: 'B' grade or higher in English

GENERAL

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

MATERIALS DESIGN & TECHNOLOGY – (WOOD)

GENERAL (Only)

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

VET COURSE – Certificate III in Business (BSB30120)

This qualification reflects the varied roles of individuals across different industry sectors.

Students will develop and build capabilities in the areas of teamwork, time management, workplace etiquette, effective work habits, communication and organisational skills which can be used to further strengthen their employability skills. The importance of digital literacy in the workforce will be addressed, covering common digital technologies and business software applications and students will gain a deeper understanding of its importance to their work lives.

This course lays a great foundation for understanding business practices and gives students a head start on their vocational journey. It is especially suitable for those seeking to start their own business or gain employment in the areas of business management, marketing, sales and human resources.



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