HILLSIDE
CHRISTIAN COLLEGE

Year 11 Subjects 2023

Year 11 Course Descriptors

2023 Subject Offerings

Arts

Media Production & Analysis:	ATAR & General
Visual Arts:	ATAR & General
Music:	General
Certificate II in Visual Arts	

English

English:	ATAR & General

Health & Physical Education

Outdoor Education:	ATAR & General

Humanities & Social Sciences

Religion & Life:	ATAR & General

Mathematics

Mathematics Methods:	ATAR
Mathematics Applications:	ATAR
Mathematics Essential:	General
Mathematics Foundation:	Foundation

Science

Human Biology:	ATAR & General
Chemistry:	ATAR
Physics:	ATAR
Psychology:	ATAR & General

Technologies

Applied Information Technology:	ATAR & General
Materials Design & Technology (wood)	General
Certificate III in Business	

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) www.scsa.wa.edu.au

MEDIA PRODUCTION & ANALYSIS

ATAR

The Media Production and Analysis 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.

Prerequisites

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

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 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.

VISUAL ARTS

ATAR

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

Prerequisites

Minimum:	'C' grade in Year 10 English for Semester One
Recommended:	'C' grade or higher in English
Notes:	Sound writing skills are required. Passed OLNA Writing

This course is designed for the more advanced art student who has demonstrated success in this subject in lower secondary school. Students interested in this ATAR course should have undertaken Visual Arts as a Year 10 Option.

GENERAL

In the Visual Arts General course, students engage in traditional, modern and contemporary media and techniques within the broad areas of art forms. The course promotes innovative practice. Students are encouraged to explore and represent their ideas and gain an awareness of the role that artists and designers play in reflecting, challenging and shaping societal values. Students are encouraged to appreciate the work of other artists and engage in their own art practice.

VET COURSE currently on offer to Years 11 & 12

Certificate II in Visual Art

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.

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, 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.

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.

OUTDOOR EDUCATION

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. Students should have average or better swimming ability in aquatic settings.

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.

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.

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

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 creation/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 Human Biology General course gives students a chance to explore how the human body works. Students focus on bones, muscles, nerves and hormones, and how they maintain the body to act in a coordinated manner. The causes and spread of disease and how humans respond to invading pathogens are studied, as well as the role of males and females in the process of reproduction.

Students investigate the body systems through real or virtual dissections and practical examination of cells, organs and systems. They research contemporary treatments for dysfunctions of the body systems and are encouraged to use ICT to interpret and communicate their findings in a variety of ways. Second-hand data is used to investigate transmission of diseases from a historical perspective and recent global incidences.

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.

ATAR

In the Psychology ATAR course students will be introduced to psychological knowledge which supports an understanding of the way individuals function in groups. Students learn about major psychological models and theories, and the methods used to conduct scientific investigations in the discipline of psychology. Students apply research methods and ethical principles as they analyse data to illustrate how empirical procedures are used to examine phenomena, such as memory, attention, attitudes, personality and group behaviour. Acquiring this foundation of scientific method and critical thinking is a valuable skill which students can apply throughout their study, work and everyday lives.

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.

VET COURSE currently on offer to years 11 & 12

Certificate III in Business

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.

Notes

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