



YEAR 11

SUBJECT SELECTION FOR 2025



Carmel School
FAITH & KNOWLEDGE

Business Management and Enterprise – List A

ATAR - Prerequisite: B grade in Year 10 Humanities. Students with a high C should contact Ms Boyd.

The *Business Management and Enterprise ATAR* course gives students the opportunity to understand how vital business is to individuals and society, and how it impacts on many aspects of our lives. Business has a complex and dynamic organisational structure that requires a combination of skills, aptitude, creativity, initiative and enterprise to operate effectively. In a constantly changing world, individuals, businesses and nations must adapt their position in an increasingly global economy and generate the wealth to sustain economic growth. To do this, business requires people with strategic vision who are enterprising, innovative and creative. This course focuses on the development of these skills within the business cycle of day-to-day running and continuing viability and expansion of a business. Exposure to a wide range of business activities, management strategies and an understanding of enterprise, helps students to appreciate the significance of their role as both participants and consumers in the business world.

General - Prerequisite: C/D grade in Year 10 Humanities.

The *Business Management and Enterprise General* course (Units 1 and 2) aims to prepare all students for a future where they will need to identify possibilities and create opportunities within a business environment. This course provides students with the ability to make sound and ethical business decisions based on critical thinking, in line with their own and societal values. The course equips students to proactively participate in the dynamic world of business, behave responsibly and demonstrate integrity in business activities.

This course would suit those students pursuing a VET pathway in Years 11 and 12.

Contact Teacher: Ms Tanya Boyd

Chemistry – List B

Prerequisites: A or B grade (strong test marks) or above in Year 10 Science. Recommended for Mathematics Methods(preferred) or Applications. Students without this grade should contact Ms Nicola Dunn.

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.

Contact Teacher: Ms Nicola Dunn

Drama – List A

ATAR - Prerequisite: B grade in Year 10 Drama. An interview with Ms Crammond if these prerequisites are not met.

The *Drama ATAR* 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, and sound and lighting. They present drama to make meaning for a range of audiences and adapt their drama to suit different performance settings. The focus in this course is on both individual and ensemble performance, as well as the roles of actor, director, scenographer, lighting designer, sound designer, costume designer and dramaturge.

General - Prerequisite: C grade in Year 10 Drama.

The *Drama General* course focuses on aesthetic understanding and drama in practice as students integrate their knowledge and skills. They use the elements and conventions of drama to develop and present ideas and explore personal and cultural issues. They engage in drama processes, such as improvisation, play building, text interpretation, playwriting and dramaturgy which allow them to create original drama and interpret a range of texts written or devised by others. They present drama to a range of audiences and work in different performance settings. Students will work independently and collaboratively, learning time management skills, showing initiative and demonstrating leadership and interpersonal skills. They will develop their capacity to respond to, reflect on, and make informed judgements, using appropriate terminology and language to describe, analyse, interpret and evaluate drama, drawing on their understanding of relevant aspects of other art forms. Their work in this course may also include production and design aspects involving sets, costumes, props, promotional materials, and sound and lighting.

Contact Teacher: Mrs Claire Crammond

Economics – List A

Prerequisite: B grade in Year 10 Humanities. Students with a C grade should contact Mr Michael Raston-Kane.

Economics ATAR explores the choices which 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.

Contact Teacher: Mr Michael Raston-Kane

English – List A

ATAR - Prerequisite: B/C grade in Year 10 English. Students with a C grade should contact Mrs Paula Frost

The *English ATAR* course focuses on developing students' analytical, creative, critical thinking and communication skills in all language modes. The course enables students to critically engage with texts from their contemporary world, the past, and from Australian and other cultures. Students develop the ability to analyse and evaluate the purpose, stylistic qualities and conventions of visual and print texts. Students also enjoy creating imaginative, interpretive, persuasive and analytical responses in a range of written, oral, multimodal and digital forms.

General - Prerequisite: Completion of Year 10 English

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 life. This includes their wider community, 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.

Hebrew – List A

Prerequisite: C grade in Year 10 Hebrew: Advanced

Universities offer an ATAR bonus to students who undertake the study of a language other than English in Year 12. 10% of a student's final scaled score will be added to the student's aggregate (TEA) which improves the ATAR.

RATIONALE

Knowledge of Modern Hebrew provides access to the rich cultural heritage associated with the language. The study of Hebrew is an essential component of the curriculum in Jewish schools. Hebrew has been the language of serious Jewish writing of all kinds in the Middle East and Europe over many centuries and it has always been the religious and liturgical language of the Jewish communities in the world.

AIMS

This programme is designed as a two-year course in Years 11 and 12 for non-native speakers of Hebrew who have sound basic skills in the language. We expect and encourage students who commence the course in Year 11 to proceed into Year 12.

The aim of the syllabus is to enable students to:

- use Modern Hebrew to communicate with others;
- understand and appreciate the cultural contexts in which Modern Hebrew is used;

- identify the potential to apply Modern Hebrew to work, further study, training or leisure; and
- meet the aims and prescribed objectives of the course such as the skills of listening, speaking, reading and writing.

The Hebrew courses are fully recognised as WACE courses and results in Year 12 are used by TISC in the calculation of a student's ATAR. As well as being recognised by the universities in Western Australia, it is also recognised by universities in the Eastern States.

Contact Teacher: Mrs Miriam Sharvit

Human Biology – List B

Prerequisites: C grade or above in Year 10 Science

Students without this grade should contact Ms Nicola Dunn.

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.

Contact Teachers: Mrs Anne Poustie

Literature – List A

Prerequisite: An A or B grade (subject mark minimum of 70%) in Year 10 English. Students with a B grade should contact Mrs Sarah Berry.

In the *Literature ATAR* course, students learn to create readings of literary texts and to create their own texts, including essays, poems, short stories, plays and multimodal texts. 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 study reading discourse with a particular focus on reading practices. Students learn to create texts paying close attention to contexts, values and conventions. Students experience the aesthetic and intellectual pleasure that reading and creating literary texts can bring.

Contact Teacher: Mrs Sarah Berry

Mathematics – List B

Universities offer an ATAR bonus to students who undertake the study of **Mathematics: Methods** or **Mathematics: Specialist** in Year 12. 10% of a student's final scaled score in each subject studied will be added to the student's aggregate (TEA) which improves the ATAR.

Universities do not allow students to use Applications together with either Methods or Specialist for ATAR. Methods and Specialist may both count in your top 4, but if you do Applications and Methods, only one of them may count in your top 4.

Mathematics: Applications

Prerequisite: Western Australian Curriculum (WAC) High C in Year 10 Core Mathematics, or D in 10 A Mathematics

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* 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.

Mathematics: Methods

Prerequisite: Western Australian Curriculum (WAC) B grade in 10A Mathematics

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.

Mathematics: Specialist

Prerequisite: Western Australian Curriculum (WAC) B grade in 10A Mathematics

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 and 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: Essentials (General)

Prerequisite: Western Australian Curriculum (WAC) D grade in Mathematics

The *Mathematics: Essentials (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.

Contact Teacher: Mr Stephen George

Media Production and Analysis – List A

ATAR - Prerequisite: B grade in Year 10 Media or English. Other students by interview with Mr Michael Duthie.

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 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 application of media theory in the practical process.

General - Prerequisite: No prerequisite but Year 7 - 10 experience in Media is an advantage.

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 others' stories. Students learn the languages of media communication and how a story is constructed using representations. 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. Students will create music videos, album covers, posters and documentaries.

Contact Teacher: Mr Michael Duthie

Modern History – List A

ATAR - Prerequisite: B grade in Year 10 Humanities. Students with a C grade should contact Mr Michael Raston-Kane.

Studying the Modern History ATAR course enables students to become critical thinkers and helps inform their judgements and actions in a rapidly changing world. Students are exposed to a variety of historical sources, including government papers, extracts from newspapers, letters, diaries, photographs, cartoons, paintings, graphs and secondary sources, in order to determine the cause and effect, and the motives and forces influencing people and events. Through the process of historical inquiry, students are encouraged to question and evaluate historical sources; identify various representations and versions of history; use evidence to formulate and support their own interpretations; and communicate their findings in a variety of ways.

Contact Teacher: Ms Cherie Birch

General - Prerequisite: Nil.

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, in order 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 own interpretations; and communicate their findings in a variety of ways.

This course would suit those students pursuing a VET pathway in Years 11 and 12.

Contact Teacher: Mr Michael Raston-Kane

Physical Education Studies – List B

ATAR - Prerequisite: A, B grade in Year 10 Physical Education Studies – theory and practical. An identified specialist sport / regular training and game play.

Physical Education Studies ATAR contributes to the development of students' physical, social and emotional growth. In the Physical Education Studies ATAR course, students learn about physiological, psychological and biomechanical principles, and apply these to analyse and improve personal and group performances in physical activities. Throughout the course, students learn through integrated written, oral and active learning experiences. Students study three sports across Year 11/12 as part of the PES course. Students can elect to complete their preferred sport or one of the three sports studied at school for their Practical WACE Examination. The course also provides students with opportunities to develop skills that will enable them to pursue personal interests in physical activity as athletes, coaches, officials, administrators and/or volunteers. Course weighting; theoretical concepts (70%) and practical activities (30%).

General - Prerequisite: Highly desirable to have achieved a C grade in Year 9 or 10 Physical Education Studies. This C grade standard should be consistent in both the practical and theoretical aspects of the course.

Physical Education Studies General contributes to the development of students' physical, social and emotional growth. The Physical Education Studies General course provides students with opportunities to understand and improve performance through the integration of theoretical concepts (50%) and practical activities (50%). Students do not sit formal examinations in this course. Through engagement as performers, leaders, coaches, analysts and planners of physical activity, students may develop skills that can be utilised in leisure, recreation, education, sport development, youth work, health and medical fields.

Contact Teacher: Mr Christopher Quelch

Physics – List B

ATAR - Prerequisites: A or B grade (strong test marks required) in Year 10 Science Recommended for Mathematics Methods.

Students without this grade should contact Ms Nicola Dunn.

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.

Contact Teacher: Mr Blake Segler

Politics and Law – List B

ATAR - Prerequisite: B grade in Year 10 Humanities.

The *Politics and Law ATAR* course provides a study of the processes of decision-making concerning society's collective future. It aims to develop the knowledge of the principles, structures, institutions and processes of political and legal systems primarily in Australia. It brings together the executive, legislative and judicial branches of government to demonstrate how society is governed and how each branch of government is held to account. It examines the democratic principles practised in Australia and makes comparisons with other political and legal systems.

General - Prerequisite: Nil

The *Politics and Law General* course allows students to gain insights into the social and political values underpinning Australia's political and legal system as well as alternative political and legal systems. It provides students with a basis for engaging in an effective, and informed, way with the political and legal system in the future.

This course would suit those students pursuing a VET pathway in Years 11 and 12.

Contact Teacher: Ms Cherie Birch

Psychology – List B

Prerequisites: C grade or above in Year 10 Science. Students of ATAR Psychology require proficient essay writing skills.

Students without this grade should contact Ms Nicola Dunn.

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.

Contact Teacher: Ms Sarah Sweeney

Religion and Life – List A

ATAR - Prerequisites: High C grade in Year 10 Religion and Life General and a C grade in Year 10 English.

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.

General - Prerequisite: C/D grade in Year 10 Religion and Life.

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.

Contact Teacher: Mrs Shohan Taub

Visual Arts – List A

ATAR - Prerequisite: B grade in Year 10 Art. An interview with Ms Majzner if prerequisites not met.

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.

General - Prerequisite: Highly desired - C grade in Year 10.

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.

Contact Teacher: Ms Leanne Majzner