



Year 11 2024 Course Handbook



Treat others with consideration, courtesy and fairness



Accept individual differences



Strive to achieve your best. Persevere



Acknowledge and accept the consequences of your actions



Acknowledge and accept the consequences of your actions

Important Events

Event	Date	Details
Parent Information Session	Tue 16 May	Performing and Visual Arts Theatre at 6:00pm
Subject Selection Online opens	Tue 16 May	Subject Selection Online (SSO) opens at 8:00pm. Access via the School Website or Subject Selection Online
Subject Selection Online Closes	Tue 6 June	8:00pm
Course Counselling	Interviews conducted according to request bookings.	Course Counselling will be conducted over the phone with your child present with one of our staff. Please submit an appointment request by clicking on the below link by 6:00pm 22 May 2023. https://forms.office.com/r/ZYgf7hm33B
Finalise Course selections	Tue 6 June	Deposits for High-Cost courses due.

Important Contacts

Subject Selection queries can be directed to the contact person below.

For specific course related queries, please contact the Course Contact listed in the course description.

Deputy Principals		
Year 10	Leonie Squire	leonie.squire@education.wa.edu.au
Senior School	Shaun Barton	shaun.barton@education.wa.edu.au
Head of Learning Area		
English	Tom Jones	thomas.jones3@education.wa.edu.au
Mathematics	Chee Liew	chee.liew@education.wa.edu.au
Science	Will Dunning	will.dunning@education.wa.edu.au
Humanities & Social Science	Simon Bourke	simon.bourke@education.wa.edu.au
Performing and Visual Arts	Olga Konstantouras	olga.konstantouras@education.wa.edu.au
Technology and Enterprise	David Scuderi	david.scuderi@education.wa.edu.au
Physical Education	Natalie Tempone	natalie.tempone@education.wa.edu.au
Career Advisors		
Careers & VET Coordinator	Karen Clark	karen.clark@education.wa.edu.au
Career Practitioner	Tanya Croft	tanya.croft@education.wa.edu.au

In Summary

- In Year 11 and 12 students work towards their Western Australian Certificate of Education (WACE)
- To achieve WACE, students must:
 - Demonstrate minimum literacy and numeracy standards via OLNA
 - Complete a minimum of 20 units (Course work, VET Certificates, Endorsed programs)
 - Achieved a minimum of 14 C grades (or equivalents) in year 11 & 12, with 6 C grades in year 12.
- ATAR courses provide a direct entry option to university – students must complete a minimum 4 ATAR courses.
- We offer blended learning options where students may be offsite one or two days a week.
- Students are recommended for pathways based upon previous academic data (Grades and NAPLAN)
- Students will need to select English (ATAR or General) and seven (7) other courses in order of preference with a maximum of two (2) certificate courses, via [Subject Selection Online](#)
- Request course counselling via <https://forms.office.com/r/ZYgf7hm33B>
- Complete subject selection by June 7, 2023.
- If you have questions, ask by speaking to, or emailing, relevant staff.

Information and Requirements for Upper School

Students in Year 11 and 12 work towards achieving The Western Australian Certificate of Education (WACE). WACE is awarded to senior secondary school students who satisfy its requirements. It is a senior secondary certificate recognised nationally in the Australian Qualifications Framework.

Generally, students will complete two years of senior secondary study to achieve the WACE. The WACE is recognised by universities, industry, and other training providers.

Achievement of a WACE means that a student has successfully met the breadth and depth standard, the achievement standard and the literacy and numeracy standard in their senior secondary schooling.

Over two years students must successfully complete a total of 20 units and demonstrate the minimum standards of literacy and numeracy. Students who did not achieve Band 8 or higher for NAPLAN in Year 9 can demonstrate they meet these standards by passing the Online Literacy and Numeracy Assessment (OLNA) in Year 10, 11 or 12.

Students are encouraged to choose courses that reflect their strengths, interests, and career aspirations. Schools make decisions about which courses and programs they will offer. These decisions are based on a range of factors, such as resources and community need. There are two main types of WACE courses: ATAR and General. Courses More information about the WACE requirements is available at scsa.wa.edu.au.

Australian Tertiary Admission Rank (ATAR) courses

ATAR courses are designed for students who are aiming to enrol in a university course directly from school and are completed as pairs of units. Units 1 and 2 in Year 11, units 3 and 4 in Year 12.

Students who achieved High band 8 in year 9 NAPLAN are typically advised to commence ATAR courses – these are student who prequalified for OLNA Numeracy and one, or both, of OLNA Reading and OLNA Writing.

Some ATAR courses are also suitable for students entering vocational pathways after school that require a higher level of preparation.

These courses are examined by the School Curriculum and Standards Authority (the Authority) and are used by the Tertiary Institutions Service Centre (TISC) to calculate a student's Australian Tertiary Admission Rank (ATAR).

There are written examinations for all ATAR courses. There are practical examinations for some ATAR courses. Students must complete both examinations in these courses.

ATAR is the main way students are measured for entry into most university programs in Australia.

General courses

General courses are designed for students who are typically aiming to enter further training or the workforce directly from school.

General courses are completed as pairs of units. Units 1 and 2 in Year 11, units 3 and 4 in Year 12.

Vocational Education and Training

Vocational Education and Training provide students the opportunity to gain Industry Qualifications, while completing secondary school. These programs are designed to assist students to gain skills and meet industry requirements in preparation for further study, apprenticeships, or employment.

These qualifications are nationally recognised in the Australian Qualifications Framework. Qualifications available at each school are determined by the individual school.

Blended Learning

Governor Stirling offers students a range of Blended Learning opportunities through undertaking VET off-site, access to blended learning opportunities are applications only, these are advertised via Connect.

WACE achievement requirements

To meet the WACE achievement requirements, students must:

- Demonstrate a minimum standard of literacy (reading and writing) and a minimum standard of numeracy by either:
 - Achieving Band 8 (or higher) in NAPLAN in year 9, or
 - Passing OLNA before the end of year 12
- Complete a minimum of 20 units over year 11 and 12 which include:
 - A minimum of 10 Year 12 units, or equivalent
 - Four units from an English course, post-Year 10, including at least one pair of Year 12 units from an English learning course
 - One pair of year 12 units from each of List A (arts/languages/social sciences) and List B subjects (mathematics/science/technology)

Achievement standard requirement

Students must achieve at least 14 C grades or higher (or equivalents) in Year 11 and Year 12 units, including at least six C grades (or equivalents) in Year 12 units. Note each course can attract two C grades per year.

Unit equivalents

The WACE requirement for at least 20 units and at least 14 C grades may be met partly through unit equivalents. These are units within VET and endorsed programs of at least 55 nominal hours. They are known as unit equivalents because they are considered equivalent to one unit of a Year 11 or Year 12 course.

Senior School Course Selection Process

Governor Stirling Senior High School's senior subject selection process is completed electronically through [Subject Selection Online](#) (SSO). SSO is accessible through the school's website homepage from 16 May 8pm until 6 June 8pm 2023. The online process will guide you and your student through the selections, ensuring each student will meet the requirements from WACE when making their selections.

Your student will need to follow the above link or go to the SSO icon located under the School Apps section on the home page of our school website <https://www.govo.wa.edu.au/> and go to the **Click here to reset your password**. They will need to enter their Department of Education email address (this ends with @student.education.wa.edu.au) and click **Submit**. An email will be sent to the address that was entered, containing the login code which will then allow your child to set a new password.

Parent Information Evening

The parent information evening will be held at 6pm on Tuesday 16 May in the Performing and Visual Arts Theatre.

Course Counselling

Course Counselling will be conducted over the phone with your child present with one of our staff. Counselling requests can be made via <https://forms.office.com/r/ZYgf7hm33B>. You will be asked to provide some information to help us find the best person to help you and your child. Course Counsellors will be able to review your child's progress and confirm if they are on track to meet the recommended minimum standards for courses they may select. **Please make these requests prior to Friday May 25.**

Achievement Data

Parents are often uncertain if their child has met the recommended standard required for their course. Once logged into SSO, students will be informed as to which course they are recommended for (ATAR or General). This recommendation is based upon achievement data collected.

Finalising Subject Selections

All course costs for Year 11 and 12 students are compulsory charges and are required to be paid by the commencement of the course (31 January 2024). Payment plans can be made by arrangement with the Manager Corporate Services. The last date for finalising all subject selections is **6 June 2023** (week 7 of term 2).

A 50% deposit of all high-cost courses and specialist programs selected is required at the time of selection with the remaining balance to be paid by 20 July 2023. Payment plans can be made by arrangement with the Manager Corporate Services.

Once subject selections are completed online, parents are requested to print a summary of these selections in order to make payment for any high-cost subjects. Payments can be paid by Direct Deposit **BSB 066-115 Account # 00090015** with the **student's surname as the reference number**, BPOINT payment option or you can print a copy of your payment sheet and pay in person at the Administration Office. Please note if a pre-booked counselling session is held after this date, counsellors will be able to make the necessary changes to your selections if required.

Full Year Commitment Required

When choosing courses, Year 11 students are making a commitment to study those subjects for the entire year. It is advisable to follow a Year 11 course through to the end of Year 12. This is particularly important with Certificate Courses as if these courses are not completed, they will not contribute to WACE.

Changing Course

Course changes are discouraged. Changing courses after the year has begun will reduce the student's chance of success, as there is usually a prescribed backlog of content and assessment tasks that will need to be completed for the new subject selected.

Course changes need to be discussed with parents/guardians first and will only be considered after appropriate documentation has been submitted to the Year Coordinator or Deputy Principal. Changes will only be permitted for sound educational reasons and only if space is available in the destination subject. Please note, course changes may also result in an increase in course fees. Please be mindful that SCSA mandates (and timelines) may prevent course enrolment changes from occurring.

Course Review

After Semester 1 and at the end of Year 11, student achievement and pathways will be reviewed and, in some cases, students will be interviewed by the Year Coordinator or Deputy Principal if there are concerns regarding academic progress.

Success in Senior School

Attendance Commitment

Attendance and participation in class is the key to achieving success in upper school. Studies show that students who attend school regularly are more likely to succeed at school. Students should aim for 100% attendance. When students know they are going to be absent, they should notify their teachers and Year Coordinator before the absence and arrange for class work to be provided to ensure that they are able to keep up with their studies.

Students may need to provide the school with a medical certificate if they are away for an assessment.

Homework and Study Commitment

All Senior School pathways and courses require the completion of homework. It is recommended that students in ATAR courses complete a minimum of 3 hours' study per course per week. Homework does not only consist of work given by the teacher but includes a self-directed component. This may be organising notes, revision, research, and exam study. Teachers in some courses offer before and after school classes as required.

Textbooks, Resources and other Additional costs

Most ATAR courses and some general courses require students to purchase textbooks and other resources. Mathematics require students to have their own calculator and some courses require a graphics calculator. These must be purchased prior to commencing the course. A booklist will be provided in Term 4 to assist with requirements.

Some courses also have other activities such as camps, which students are required to attend as part of the course. These are also at an additional cost.

Estimates of these costs are provided with course descriptions.

OLNA – Online Literacy and Numeracy Assessment

Students who did not reach the minimum standard of competence in their Year 9 NAPLAN or Year 10 OLNA will have a further two opportunities to successfully complete OLNA testing in both Year 11 and Year 12.

Reaching the minimum standard for Literacy and Numeracy is a WACE requirement.

Workplace Learning (Work experience)

The School Curriculum and Standards Authority has developed a Workplace Learning program.

Students who successfully complete this program can count it as the equivalent of one unit and C grade required to achieve the Western Australian Certificate of Education (WACE).

To complete this program, a student must:

- work at least 55 hours in a real workplace
- complete a logbook
- complete a skills journal.

The program may be repeated and count towards a student's WACE for up to the equivalent of four course units and C grades.

Students wanting to undertake Workplace Learning Program must complete and Application form.

All year 10 students can apply for Work Experience.

Students studying ATAR in year 11 can request an End of Year 11 placement.

Non -ATAR can complete all 4 placements.

WPL Cost: \$80 (This is one off fee which covers introduction and placement costs)

2024 Year 11 Course Offerings

In 2024 GSSHS will be offering the following Year 11 courses.

ATAR Courses			
List A		List B	
AEECO	Economics	AEBLY	Biology
AEENG	English	AECHE	Chemistry
AE GEO	Geography	AEHBY	Human Biology
AEHEA	Health Studies	AEMAA	Mathematics Applications
AEHIM	Modern History	AEMAM	Mathematics Methods
AEISL	Italian: Second Language	AEMAS	Mathematics Specialist
AEMUS	Music	AEPES	Physical Education Studies
AEVAR	Visual Arts	AEPHY	Physics
General Courses			
List A		List B	
GEENG	English	GEAET	Automotive Engineering and Technology
GECAE	Career and Enterprise	GEAIT	Applied Information Technology
GEGEO	Geography	GEBCN	Building and Construction
GEHEA	Health Studies	GEDESP	Design - Photography
GEVAR	Visual Arts	GEFST	Food Science and Technology
		GEHBY	Human Biology
		GEISC	Integrated Science
		GEMAE	Mathematics Essential
		GEOED	Outdoor Education
		GEPES	Physical Education Studies
		GEPSY	Psychology
Foundation Courses			
List A		List B	
		FEMAT	Mathematics Foundation
		FEOPT	Foundation Health, Physical and Outdoor Education
Certificate Courses			
BSB30120 Certificate III in Business		SIS20115 Certificate II in Sport and Recreation (Netball)	
BSB40120 Certificate IV in Business		SIT204316 Certificate II Kitchen Operations	
CUA20220 Certificate II in Creative Industries (Media)		SIS20115 Certificate II in Sport and Recreation (Football)	

Greater detail of these courses is provided in the next section. These include minimum entry requirements, course costs and an estimate of additional course costs (calculators, camps, textbooks).

Please note:

All course costs are an estimate only and subject to change.

Courses may not run if an insufficient number of students select the course.

Year 11 Course Descriptions

ATAR Courses

All ATAR courses are rigorous and include exams at the end of each semester as part of the assessment structure. These courses are externally examined at the end of Year 12.

ATAR courses rely on students having developed high levels of literacy and numeracy and as such it is recommended that students who commence ATAR courses have demonstrated their proficiency by achieving Band 8 (or above) in their Year 9 NAPLAN (OLAN Pre-qualification) and continue to achieve at a high level, B grades and above, in most year 10 courses.

Entry to some courses require prior study in lower school.

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Economics	General List A	B grade in HaSS and English by the end of year 10	\$65	Mr S Bourke Humanities and Social Science
<p>Economics 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.</p> <p>HoLA approval required if recommended Minimum Standard not achieved</p> <p>Additional Course costs: Textbooks - \$110</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
English	ATAR List A	B grade in HaSS and English by the end of year 10	\$55	Mr T Jones English
<p>The English ATAR course focuses on developing students' analytical, creative, and critical thinking and communication skills in all language modes. Such engagement helps students develop a sense of themselves, their world and their place in 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.</p> <p>HoLA approval required if recommended Minimum Standard not achieved</p> <p>Additional Course costs: Textbooks - \$50</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Geography	ATAR List A	B grade in HaSS and English by the end of year 10	\$65	Mr S Bourke Humanities and Social Science
<p>The study of the Geography ATAR course draws on students' curiosity about the diversity of the world's places, people, cultures and environments. Students learn about nature and the consequences of natural and ecological hazards, international integration in a range of spatial contexts, land cover transformations, and the challenges affecting the sustainability of places. Students learn how to collect information from primary and secondary sources, such as field observation and data collection, mapping, monitoring, remote sensing, case studies and reports.</p> <p>HoLA approval required if recommended Minimum Standard not achieved</p> <p>Additional Course costs: Textbooks - \$75</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Health Studies	ATAR List A	B grade in English and Health by the end of year 10	\$60	Miss N Tempone Health and Physical Education

The Health Studies course focuses on the study of health as a dynamic quality of human life. Students undertaking this course develop the knowledge, understanding and skills necessary to promote an understanding of the importance of personal and community action in promoting health. The influence of social, environmental, economic and biomedical determinants of health is a key focus of the course. Other course content includes the influence of beliefs, attitudes and values on health behaviour, and the importance of self-management and interpersonal skills in making healthy decisions. This course will prepare students for career and employment pathways in a range of health and community service industries. Students will have the opportunity to develop key employability and life skills, including communication, leadership, initiative and enterprise. Inquiry skills will equip students to adapt to current and future studies and work environments.

HoLA approval required if recommended Minimum Standard not achieved

Additional Course costs: Nil

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
History Modern History	ATAR List A	B grade in HaSS and English by the end of year 10	\$65	Mr S Bourke Humanities and Social Science

Studying the Modern History ATAR course enables students to become critical thinkers and helps inform their judgements and actions about the world they live in. Students will analyse a variety of historical sources, including government papers, extracts from newspapers, letters, diaries, photographs, cartoons, paintings, graphs and secondary sources. They will be learning about Capitalism in America and the rise of Nazism in Germany. Through historical inquiry, students are encouraged to question and evaluate historical sources; identify various representations and versions of history; use evidence to create and support their own interpretations; and communicate their findings.

HoLA approval required if recommended Minimum Standard not achieved

Additional Course costs: Textbooks - \$260

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Italian	ATAR List A	B grade in English by the end of year 10 Satisfactory progress in Yr 10 Italian	\$65	Mr S Bourke Humanities and Social Science

This course progresses from the Year 7–10 curriculums and focuses on further developing a student's knowledge and understanding of the culture and the language of Italian-speaking communities. Students gain a broader and deeper understanding of the Italian language and extend and refine their communication skills. Furthermore, students will have opportunities to engage in intercultural activities, such as the Intercultural/WAATI Exchange Program.

The Italian: Second Language ATAR course can connect to the world of work, further study and travel. The course is designed to equip students with the skills needed to function in an increasingly globalised society, a culturally and linguistically diverse local community and to provide the foundation for life-long language learning.

HoLA approval required if recommended Minimum Standard not achieved

Additional Course costs: Textbooks - \$100

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Music	ATAR List A	B grade in English by the end of year 10 Satisfactory progress in Yr 10 Music	\$90 High Cost	Ms O Konstantouras Performing and Visual Arts

ATAR Music is a two-year course divided into four semester units. The course consists of a written component incorporating aural and theory, composition and arrangement, cultural and historical analysis, and a practical component. Students will listen to, compose, and analyse music within the contemporary context, focusing on the styles of Rock, African-American styles and Pop. The practical component can be delivered in a different context such as Jazz or Western Art music and is delivered separately from the class in weekly lessons. The assessment program is based on 50% practical (performance exams, class and public performances and an instrumental teacher assessment) and 50% written (assessment tasks and written exams). Students must have completed Instrumental Music course run by IMSS at year 10 level for consideration for this course.

HoLA approval required if recommended minimum Standard not achieved

Additional Course costs: Nil

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Art – Visual Arts	ATAR List A	B grade in English by the end of year 10 Satisfactory progress in Yr 10 Artsmedia/Art	\$125 High Cost	Ms O Konstantouras Performing and Visual Arts

The Visual Arts ATAR course is a two-year course divided into four semester units. Students engage in traditional, modern and contemporary media and techniques within the broad areas of art forms (including painting, drawing, film, photography and digital installation). 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 societies values. The Visual Arts ATAR course allows students to develop visual understandings and a critical awareness to appreciate and make informed evaluations of art through the study of their own art practice and the work of others.

Visual Arts ATAR has a greater theoretical component than Visual Arts General and demands a high level of independence and personal organisation. A sound academic ability is essential for success and a high level of practical skills is an advantage. The Visual Arts ATAR course is 50% Art Production and 50% Theory and there is a written exam at the end of each unit.

HoLA approval required if recommended minimum Standard not achieved

Additional Course costs: Nil

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Biology	ATAR List B	B grade in English and Science by the end of year 10	\$50	Mr W Dunning Science

A unique appreciation of life and a better understanding of the living world are gained through studying the Biology ATAR course. 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.

HoLA approval required if recommended minimum Standard not achieved

Additional Course costs: Textbooks - \$140

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Chemistry	ATAR List B	B grade in English, Maths and Science by the end of year 10	\$45	Mr W Dunning Science
<p>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.</p> <p>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.</p> <p>HoLA approval required if recommended minimum Standard not achieved</p> <p>Additional Course costs: Textbooks - \$180</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Human Biology	ATAR List B	B grade in English and Science by the end of year 10	\$40	Mr W Dunning Science
<p>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.</p> <p>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.</p> <p>HoLA approval required if recommended minimum Standard not achieved</p> <p>Additional Course costs: Textbooks - \$140</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Mathematics Applications	ATAR List B	B grade in English and Mathematics by the end of year 10	\$60	Mr C Liew Mathematics
<p>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.</p> <p>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.</p> <p>HoLA approval required if recommended minimum Standard not achieved</p> <p>Additional Course costs: Textbooks & CAS Calculator- \$310</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Mathematics Methods	ATAR List B	B grade in English and Mathematics by the end of year 10	\$60	Mr C Liew Mathematics
<p>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.</p> <p>HoLA approval required if recommended minimum Standard not achieved</p> <p>Additional Course costs: Textbooks & CAS Calculator- \$340</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Mathematics Specialist	ATAR List B	B grade in English and Mathematics by the end of year 10	\$60	Mr C Liew Mathematics
<p>This course is NOT a stand-alone course and MUST be studied in conjunction with the Mathematics Methods ATAR.</p> <p>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.</p> <p>HoLA approval required if recommended minimum Standard not achieved</p> <p>Additional Course costs: Textbooks - \$90</p> <p>Students will already have a CAS calculator for Mathematics Methods.</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Physical Education Studies	ATAR List B	B grade in English and Phys. Ed. by the end of year 10	\$65	Miss N Tempone Health and Physical Education
<p>Physical Education Studies contributes to the development of students' physical, social and emotional growth. The Physical Education Studies ATAR course provides students with opportunities to understand and improve performance through the integration of theoretical concepts and practical activities. The course time is divided between the theoretical 70% and practical 30%. 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.</p> <p>HoLA approval required if recommended minimum Standard not achieved</p> <p>Additional Course costs: Textbooks – Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Physics	ATAR List B	B grade in English, Maths and Science by the end of year 10	\$40	Mr W Dunning Science
<p>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 problem solving skills and use analytical thinking to explain and predict physical phenomena.</p> <p>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.</p> <p>HoLA approval required if recommended minimum Standard not achieved</p> <p>Additional Course costs: Textbooks - \$115</p>				

General Courses

General courses cover a broad range of subject and are designed for students who intend to enter the workforce once they leave school.

They are assessed rigorously, but do not have examinations. However, they each have an externally set task (EST) which is set by the Authority and is sat by all students who are enrolled in the course at the start of term 2 in year 12.

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
English	General List A	C grade in English by the end of year 10	\$55	Mr T Jones English
<p>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.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Career and Enterprise	General List A	C grade in English by the end of year 10	\$50	Mr D Scuderi Technology and Enterprise
<p>Career education involves learning to manage and take responsibility for personal career development. The Career and Enterprise General course involves recognising one's individual skills and talents and using this understanding to assist in gaining and keeping work. The course develops a range of work skills and an understanding of the nature of work. Key components of the course include: the development of an understanding of different personality types and their link to career choices; entrepreneurial behaviour's; learning to learn; and the exploration of social, cultural and environmental issues that affect work, workplaces and careers.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Geography	General List A	C grade in English and HaSS by the end of year 10	\$65	Mr S Bourke Humanities and Social Science
<p>In the Geography General course students learn how to collect information from primary and secondary sources, such as field observation and data collection, mapping, monitoring, remote sensing, case studies and reports. Geography as a discipline values imagination, creativity and speculation as modes of thought. It develops students' knowledge about the relationship between places and explores the spatial patterns and processes related to environments at risk, and various ways to protect such environments.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Health Studies	General List A	C grade in Health by the end of year 10	\$60	Miss N Tempone Health and Physical Education
<p>The Health Studies course focuses on personal health and wellbeing, what it means to be healthy and the many factors which influence health. The influence of social, environmental, economic and biomedical determinants of health is a key focus of the course. Other course content includes the influence of beliefs, attitudes and values on health behaviour, and the importance of self-management and interpersonal skills in making healthy decisions. This course will prepare students for career and employment pathways in a range of health and community service industries. Students will have the opportunity to develop key employability and life skills, including communication, leadership, initiative and enterprise. Inquiry skills will equip students to adapt to current and future studies and work environments.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Art – Visual Arts	General List A	C grade in English by the end of year 10 and previous studies in Visual Art	\$95 High Cost	Ms O Konstantouras Performing and Visual Arts
<p>In the Visual Art course, students engage in traditional, modern and contemporary media and techniques within the broad areas of art forms, such as painting, drawing, print-making, sculpture and digital art. The courses promote 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.</p> <p>The General Visual Arts course has a theoretical component that requires students to analyse and research the work of other artists.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Automotive Engineering and Technology	General List B	C grade in English by the end of year 10	\$90 High Cost	Mr D Scuderi Technology and Enterprise
<p>In the Automotive Engineering and Technology general course students develop skills and understandings relating to the component parts, accessories, systems and technologies of the automotive vehicle. Students develop the principles underpinning the operation of vehicle systems and subsystems. They also develop the knowledge and skills needed to service, maintain and repair these systems. Students develop effective communication, teamwork skills and environmental awareness when developing solutions to planning and managing automotive vehicle systems.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Applied Information Technology	General List B	C grade in English by the end of year 10	\$70	Mr D Scuderi Technology and Enterprise
<p>This course focuses on enabling students to use technology to meet personal needs. Students will develop a range of skills that enable them to communicate using appropriate technologies and to gain knowledge that assists in communicating within a personal context. Students will learn to use a variety of technologies to investigate managing data, common software applications and wireless network components that are required to effectively operate within a small business environment. They will also examine the legal, ethical and social impacts of technology within society.</p> <p>This course encompasses theoretical aspects (knowledge) and practical aspects (skills) in the following areas: design concepts; hardware; impact of technology; application skills; project management; managing data; and networks.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Building and Construction	General List B	C grade in English by the end of year 10	\$90 High Cost	Mr D Scuderi Technology and Enterprise
<p>This course develops students' knowledge and practical appreciation of building technologies. The course encompasses the skills and applications of many of the trades and professions in the building and construction industries. Students have the opportunity to develop and practise the skills that contribute to creating a physical environment while acquiring an understanding of the need for sustainability and an awareness of community and environmental responsibilities.</p> <p>Students will learn and practise building processes and technologies, including principles of design, planning and management.</p> <p>The course develops interaction and communication skills with varied audiences and fosters an understanding of teamwork.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Design: Photography	General List B	C grade in English by the end of year 10 Previous studies in Artsmedia/Media	\$100 High Cost	Ms O Konstantouras Performing and Visual Arts
<p>The General Design: Photography course introduces students to the design process, allowing them to explore creative design solutions within the context of Photography. Students will develop their photographic, editing and presentation skills; having access to digital SLR cameras, studio and location lighting equipment and the full Adobe Creative Suite. Tasks are largely project based, following a design brief and may include, but are not limited to: studio portraits, landscapes, posters and product advertisements, macro photography and creative exposure photography.</p> <p>Please note: this course is largely practical; however, there is a theoretical component that requires students to apply their understandings of designs through their written work.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Food Science and Technology	General List B	C grade in English by the end of year 10	\$180 High Cost	Mr D Scuderi Technology and Enterprise
<p>The food industry is the largest industry in the world. Food impacts every aspect of daily life and is essential for maintaining overall health and wellbeing. The application of science and technology plays an important role in understanding how the properties of food are used to meet the needs of consumers and producers. Food laws and regulations govern the production, supply and distribution of safe foods. Students develop practical food-related skills, understandings and attitudes that enhance their problem-solving abilities and decision-making skills.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Human Biology	General List B	C grade in English and Science by the end of year 10	\$50	Mr W Dunning Science
<p>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.</p> <p>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.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Integrated Science	General List B	C grade in English by the end of year 10	\$40	Mr W Dunning Science
<p>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 learnt in class to real-world situations and systems.</p> <p>Additional Course costs: Nil</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Mathematics Essentials	General List B	C grade in English and Mathematics by the end of year 10	\$60	Mr C Liew Mathematics
<p>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.</p> <p>Additional Course costs: Textbook - \$80 and scientific calculator - \$30</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Outdoor Education	General List B	Recommended previous studies in Outdoor Education, Ability to swim to a competent level	\$85 High Cost	Miss N Tempone Health and Physical Education
<p>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, mountain biking 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.</p> <p><u>Note:</u> The ability and willingness to swim in the river and ride a bike is a requirement. Camp is compulsory as it forms part of the assessment for this course.</p> <p>Additional Course costs: Camp - \$100</p>				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Physical Education Studies	General List B	C grade in Physical Education by the end of year 10	\$60	Miss N Tempone Health and Physical Education
Physical Education Studies 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 and practical activities. The course time is divided between the theoretical 50% and practical 50%. 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. Additional Course costs: Nil				

Course	Type	Recommended Minimum Standard	Course Cost	Course Contact
Psychology	General List B	C grade in English by the end of year 10	\$65	Mr S Bourke Humanities and Social Science
Psychology is the scientific study of how people think, feel and act – essentially it is about trying to understand humans. In the Psychology General course students will focus on trying to gain an understanding of how and why people behave the way that they do. Students are introduced to personality and intelligence and will be required to assess how individuals are influenced by their surroundings. They will also examine what impact others behaviour has on them and society, including the impact of various parenting styles. The course will then focus on the human brain and the links between it and behaviour. Students will enhance their communication and research skills as they engage in the evaluation of data. The study of psychology is very useful, both to individuals assisting us to improve ourselves and our relationships and to society as a whole. The study of psychology is highly relevant to further studies in the health, education, management and human resource fields. Additional Course costs: Nil				

Foundation Courses

These courses provide a focus on functional literacy and numeracy skills, practical work-related experience and the opportunity to build personal skills that are important for life and work. **Foundation courses are not designed, nor intended, to be an alternative senior secondary pathway.** Foundation courses are for students who have not been able to demonstrate the minimum standard for literacy and/or numeracy before Year 11 and are unlikely to do so before the end of Year 12 without significant levels of support.

Students who have demonstrated:

- the minimum standard of literacy for the WACE in Year 9 NAPLAN or Year 10 (via the OLNA) are not eligible to enrol in Foundation English and other List A Foundation courses in Year 11 and Year 12
- the minimum standard of numeracy for the WACE in Year 9 NAPLAN or Year 10 (via the OLNA) are not eligible to enrol in Foundation Mathematics and other List B Foundation courses in Year 11 and Year 12, unless they have not demonstrated the minimum standard of literacy for the WACE as the List B Foundation courses place an emphasis on both literacy and numeracy.

These courses are not offered as part of the initial course selection process. Students may be counselled into a foundation course once OLNA results are published towards the end of Year 10.

Course	Type	Minimum Standard	Course Cost	Course Contact
Mathematics Foundations	Foundation List B	Category 1 OLNA	\$60	Mr C Liew Mathematics

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.

Additional Course costs: Scientific calculator - \$25

Course	Type	Minimum Standard	Course Cost	Course Contact
Foundation Health, Physical and Outdoor Education	Foundation List B	Category 1 OLNA	\$100 High Cost	Miss N Tempone Health and Physical Education

The course focuses on providing students with opportunities to develop skills and understandings related to a healthy lifestyle. This course is for students who have not demonstrated the numeracy standard in the OLNA. Through the development of health literacy, students are better equipped to make appropriate and well-informed health related decisions and to develop knowledge, understanding and skills which support them to make a positive contribution to the health and wellbeing of themselves and others. Students will learn about the factors influencing health, wellbeing and physical activity participation, and develop strategies to support them to make health enhancing decisions and adopt active and healthy pursuits, now and across their lifespan. The course supports the development of students' literacy and numeracy skills and provides them with opportunities to study in contexts such as health promotion, outdoor adventure activities and improving performance in individual and team games and sports.

Additional Course costs: Nil

Certificate Courses

These courses include a full VET qualification and mandatory workplace learning. VET industry specific courses contribute towards the WACE as course units. Qualifications undertaken through VET industry specific courses can be used to meet the Certificate II or higher requirement of the WACE, if this option is chosen. The workplace learning component of the course contributes as unit equivalents towards the WACE. VET industry specific courses are for students aiming to enter further vocationally based training or the workforce straight from school.

Course	Type	Minimum Standard	Course Cost	Course Contact
Business	Certificate III BSB30120	NIL	\$95 High Cost	Mr D Scuderi Technology and Enterprise

BSB30120 - Certificate III in Business

This qualification is delivered over two years under the auspices of IVET Institute Pty Ltd RTO 40548.

This qualification reflects the varied roles of individuals across different industry sectors who apply a broad range of competencies using some discretion, judgment and relevant theoretical knowledge. They may provide technical advice and support to a team.

Additional Course costs: Nil

Course	Type	Minimum Standard	Course Cost	Course Contact
Business	Certificate IV BSB40120	English competence though passing OLNA (reading & writing) by the end of year 10	\$95 High Cost	Mrs K Clark VET

BSB40120 – Certificate IV in Business

This qualification is delivered over two years under the auspices of Skills Strategies International Pty Ltd RTO 2401.

This qualification reflects the role of individuals in a variety of Business Services job roles. These individuals may have supervisory performance accountabilities.

Individuals in these roles carry out a mix of specialist and moderately complex administrative or operational tasks that require self-development skills. They use well-developed skills and a broad knowledge base to apply solutions to a defined range of unpredictable problems and analyse information from a variety of sources. They may provide leadership and guidance to others with some limited responsibility for the output of others.

The certificate IV is the minimum requirement for university entry. It qualifies you for entry to Curtin, Edith Cowan and Murdoch University courses with a 70 ATAR with meeting the English Competency requirement. A diploma level qualification is required for entry into UWA.

Careers & VET Coordinator approval required if recommended minimum Standard not achieved

Additional Course costs: Nil

Course	Type	Minimum Standard	Course Cost	Course Contact
Creative Industries (Media)	Certificate II CUF20107	Desirable: completion of either Media or ArtsMedia courses in lower school	\$110 High Cost	Ms O Konstantouras Performing and Visual Arts

CUA20215 - Certificate II in Creative Industries

This qualification is delivered over two years under the auspices of Skills Strategies International RTO 2401

This qualification is a practical course with a strong focus on industry-based production skills. Individuals will develop foundational knowledge and skills to help them work effectively in the contemporary screen and media industries. Students will produce two major productions a year as well as a variety of mini tasks to improve skills and processes. Productions may include but are not limited to music video, digital and social media content, multi-cam TV studio broadcast production, podcast, interview (news report), documentary or short genre film.

HoLA approval required if recommended minimum Standard not achieved

Additional Course costs: Nil

Course	Type	Minimum Standard	Course Cost	Course Contact
Hospitality	Certificate II Kitchen Operations SIT20416	NIL	Subject to DWTD funding	Mrs K Clark VET

This course is offered by the Stanley College under the Vet in Schools Funding, as one day a week delivered at Governor Stirling Senior High School

This qualification reflects the role of individuals working in kitchens who use a defined and limited range of food preparation and cookery skills. They are involved in mainly routine and repetitive tasks and work under direct supervision. This qualification provides a pathway to work in kitchen operations in organisations such as restaurants, hotels, catering operations, clubs, pubs, cafes, cafeterias, coffee shops and institutions such as aged care facilities, hospitals, prisons, and schools. Possible job titles include: breakfast cook, catering assistant, fast food cook, sandwich hand, take-away cook. As the Kitchen Operations Certificate is preparing student to work in the industry or continue their training to become a chef, this includes early start **8.30am** and finish at **3 pm** and attending evening and weekend functions as required.

Students must undertake the required hours in a Hospitality Kitchen industry placement throughout times the year (1 day per week to total 165 hours).

Students will need to dress and maintain appearance according with industry standards, students will require to purchase a chef's jacket, long pants and enclosed leather shoes, and ensure that any jewellery, piercing and nail polish are treated according to the current industry standards when working in the kitchen.

Additional Course costs: Industry clothing as listed above

Course	Type	Minimum Standard	Course Cost	Course Contact
Football Sport and Recreation	Certificate II SIS20115	Participation in Year 10 Football squad or successful trial	\$130 High Cost	Miss N Tempone Health and Physical Education

SIS20115 - Certificate II in Sport and Recreation

This qualification is delivered over two years under the auspices of *IVET Institute Pty Ltd RTO 40548*.

This qualification allows individuals to develop basic functional knowledge and skills for work in customer contact positions in the sport or community recreation industry. These individuals are competent in a range of administrative activities and functions within a team and under supervision. They are involved in mainly routine and repetitive tasks using practical skills and basic sport and recreation industry knowledge.

They work in locations such as sport and recreation centres or facilities, and leisure and aquatic centres assisting with the conduct of recreation activities, and facility maintenance and operations.

This qualification provides the skills and knowledge for an individual to pursue a career as an athlete at a regional and state or territory level. The course aims at further growth of skills and strategies of the game while exploring the preparation required to be an elite athlete.

Additional Course costs: Nil

Course	Type	Minimum Standard	Course Cost	Course Contact
Netball Sport and Recreation	Certificate II SIS20115	Participation in Year 10 Netball squad or successful trial	\$130 High Cost	Miss N Tempone Health and Physical Education

Certificate II in Sport and Recreation

This qualification is delivered over two years under the auspices of IVET Institute Pty Ltd RTO 40548

This qualification allows individuals to develop basic functional knowledge and skills for work in customer contact positions in the sport or community recreation industry. These individuals are competent in a range of administrative activities and functions within a team and under supervision. They are involved in mainly routine and repetitive tasks using practical skills and basic sport and recreation industry knowledge.

They work in locations such as sport and recreation centres or facilities, and leisure and aquatic centres assisting with the conduct of recreation activities, and facility maintenance and operations.

This qualification provides the skills and knowledge for an individual to pursue a career as an athlete at a regional and state or territory level. The course aims at further growth of skills and strategies of the game while exploring the preparation required to be an elite athlete.

Additional Course costs: Nil