



Before Year 11: Decisions

WHAT OPTIONS SHOULD I CHOOSE FOR YEAR 11

What am I studying for?

The Western Australia Program offered by SIC allows students to study for the Western Australia Certificate of Education (WACE) which is the main gateway to higher education either in Australia, Vietnam or around the world.

WACE

Western Australia
Certificate of Education

WHAT IS THE ATAR?

The ATAR is a rank between 0.00 and 99.95 that provides a measure of your overall academic achievements relative to other students.

WHAT IS IT USED FOR?

This helps universities rank applicants for positions at university as well as scholarship eligibility.

Students that qualify for the WACE may also qualify for the Australian Tertiary Admission Ranking (ATAR) which is used by universities in Australia, as well as around the world, for student admissions and scholarship eligibility.

All students completing Year 11 and Year 12 at SIC will receive a Western Australian Statement of School Achievement (WASSA) which details your course work and achievements.

WACE Requirements

The requirements to achieve WACE can be summarised as follows:

- 20 course units studied over Year 11 and Year 12 with a minimum of 10 Year 12 units.
 - Four (4) units of EALD or English, including at least one pair from Year 12
 - One pair of Year 12 units from List A (Arts/Languages/Social Sciences)
 - BME, Economics, EALD, English
 - One pair of Year 12 units from List B (Mathematics/Science/Technology)
 - ACF, AIT, Chemistry, Computer Science, Design, Human Biology, Mathematics, Physics, Psychology
- Achievement of at least 14 C grades or higher in Year 11 and Year 12 units, including at least 6 C grades in Year 12 units
- Completion of at least four Year 12 ATAR courses
- Achievement of the literacy and numeracy standards (OLNA)¹

WACE CHECKER:

<https://wacechecker.scsa.wa.edu.au>

You can check your planned enrollments using the Web Checker! It's a great tool to make sure you are on track for the WACE.

¹ More information on OLNA is available in Appendix B: OLNA

ATAR vs General: What should I know?

ATAR courses are more academically challenging than General courses. At the end of Year 12, students enrolled in ATAR courses must sit for externally set exams (WACE Examinations) whereas Year 12 General courses sit for an Externally Set Task which is calculated into their marks. Year 12 EALD ATAR must also sit for an externally set Practical Exam which is conducted over the internet.

ATAR courses are required to achieve the WACE and are required to calculate the ATAR ranking for university admissions and scholarship eligibility.

Can I change my mind?

SIC allows Year 11 students to change their course options prior to beginning school, during the first weeks of Semester 1, and the first week of Semester 2.

Year 12 students can change options prior to the first weeks of Semester 1. There are NO changes permitted during the Academic Year – the student's only option is to withdraw from the course after the deadline.

What to consider when choosing a course option or changing a course option

It is recommended that you choose the most challenging course available that you have the ability to do well in. For example, if you are interested in business, you should consider ATAR courses in BME, Economics and/or ACF before you choose General courses.

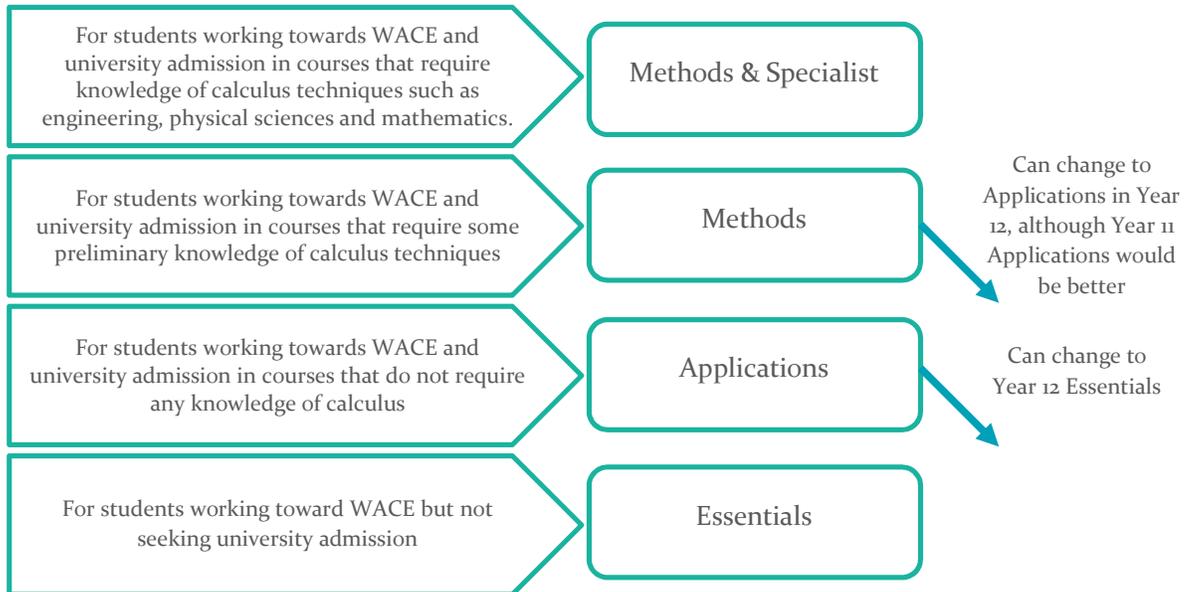
Changing from an ATAR course to a General course will lessen your academic burden however depending on your overall course choices it may make you ineligible for WACE and the ATAR. You can use the WACE Checker to help you decide.

Changing from a General course to an ATAR course is much more problematic. A Year 12 ATAR course (Units 3 and 4) presumes you have knowledge of the material covered in Year 11 (Units 1 and 2). Although it can be done, you need to “make up” the missing knowledge sets to be able to succeed in the course and pass the WACE examination. This takes a great effort on your behalf and is therefore not recommended without a firm commitment from you. You should seek the advice of the teachers that teach the course for guidance on whether you should do this.

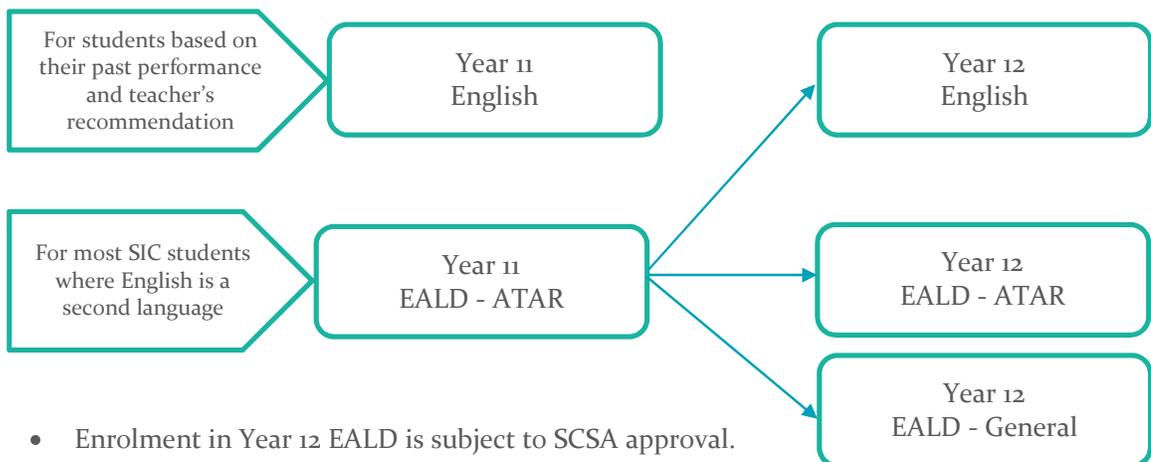


Here are some visual guidelines to some of the choices available:

MATHEMATICS

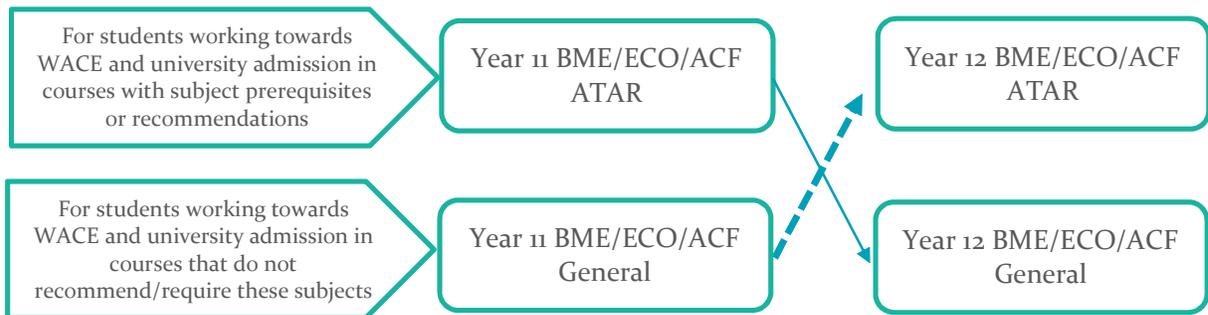


ENGLISH/ENGLISH AS AN ADDITIONAL LANGUAGE OR DIALECT



- Enrolment in Year 12 EALD is subject to SCSA approval.
- Year 11 EALD students may apply for Year 12 English.
- Year 11 English students can change to EALD.
- Year 11 students can choose Year 12 EALD General.

BME * ECONOMICS * ACF



Entering into Year 11, you may choose either ATAR or General courses based on your own future goals and aspirations. It is recommended that you take a course that is most challenging of which you are capable. As mentioned above: you can move from an Year 11 ATAR course in the subject to a General course – However, it is most challenging to move from an ATAR course to a General course.

HUMAN BIOLOGY * CHEMISTRY * PHYSICS * PSYCHOLOGY

These courses are only offered as ATAR courses.

APPLIED INFORMATION TECHNOLOGY * COMPUTER SCIENCE * DESIGN

These courses are only offered as General courses

Do you already know what undergraduate course you want to pursue?

If you already know the direction you want to head in or even which university you want to attend then great! You can research a specific university and/or your area of study to find out which SIC courses are prerequisites or recommended.

Below is a table of a sample of university study areas with recommended courses to take to prepare for them. They could be prerequisites or recommendations depending on the university. This is only indicative of what universities may require or recommend. You need to do your own research for your chosen path and university!



A SAMPLE OF SOME RECOMMENDED COURSES BASED ON YOUR
PLANNED UNIVERSITY COURSE OF STUDY:

University course of study	SIC courses
Accounting	Mathematics: Applications, ACF
Business Administration	Mathematics: Applications, BME
Business Information Systems	Mathematics: Applications
Chemical Engineering	Mathematics: Methods, Physics, Chemistry, Mathematics Specialist
Chemistry	Chemistry, Mathematics: Methods, Mathematics Specialist, Physics
Civil and Construction Engineering	Mathematics: Methods, Mathematics: Specialist, Physics and Chemistry
Commerce	Mathematics: Applications, Mathematics: Methods
Computer Science	Mathematics: Methods, Mathematics: Specialist, Physics, Computer Science and Chemistry
Computing	Mathematics: Applications, Mathematics Specialist
Economics	Mathematics: Applications, Economics
Engineering	Mathematics: Methods; Mathematics: Specialist; Physics; Chemistry
Finance	Mathematics: Applications, ACF
Health	Mathematics: Applications, Human Biology, Chemistry
Management	Mathematics: Applications, BME
Marketing	Mathematics: Applications, BME, Design
Mathematics	Mathematics: Applications, Mathematics Specialist
Mechanical Engineering	Mathematics: Methods, Physics, Chemistry, Mathematics Specialist
Nursing	Human Biology
Physics	Physics, Mathematics: Methods, Mathematics Specialist, Chemistry
Physiotherapy	Chemistry, Human Biology, Physics, Psychology
Psychology	Mathematics: Applications, Psychology
Software Engineering	Mathematics: Methods, Mathematics: Specialist, Physics and Chemistry

What options are available?

SIC offers a variety of courses for Year 11 and Year 12.

List A (Arts/Languages/Social Sciences)	List B (Mathematics/Science/Technology)
Business Management and Enterprises	Accounting and Finance
Economics	Applied Information and Technology
English	Chemistry
English as an Additional Language or Dialect	Computer Science
	Design
	Human Biology
	Mathematics Essentials
	Mathematics Applications
	Mathematics Methods
	Mathematics Specialist
	Physics
	Psychology

For a detailed description of the course types please see Appendix A at the end of this brochure.

How do I know which courses I should take?

First of all, you need to take a look at yourself and think about your future – and not just for Year 11 and Year 12 – but what do you want to do beyond that!

Are you looking at continuing your education, getting a job or doing an apprenticeship? Most of you at SIC are planning on continuing your education at college or university. You need to think about what you may want to take at a higher level and then choose your options for Year 11 and Year 12 to allow you to pursue your goals.

Introspection:

WHAT DO YOU LIKE TO DO?

Are you an outdoors person or do prefer to be inside?

Do you enjoy working with computers and new technology?

Do you enjoy organising yourself and others for school or for leisure activities?

Do you have an outgoing personality and enjoy interacting with people?

Do you like to take things apart and figure out how they work?

Do you enjoy working with others or on your own?

Do you have an original and creative mind?

Do you enjoy helping others?

Do you enjoy learning about how the body works and how you can heal it?

Do you enjoy maths and like to work with numbers, equations and finances?

WHAT ARE YOU GOOD AT?

We all have skills that we are good at naturally and others we enjoy and want to learn more about. Consider your own academic skills and interests. What subjects do you most enjoy studying? Often, these subjects are also subjects that you do well in as we all like to do well in subjects we enjoy and are interested in.

Research jobs that require these skill sets and interests that you have. You might be surprised at future study and job opportunities can coincide with your own unique set of skills and interests.

Don't forget to consider your skills and interests outside of the classroom. Extracurricular activities and hobbies can lead to a future educational and career path.

WHO MOTIVATES YOU? WHAT INSPIRES YOU?

Look around you. Do you have any role models? Have you read a book or an article, seen a movie or television show, that motivates you to do your best either in school, life or both?

Consider your mom or dad, other family members, neighbors, friends, friend's family members and teachers. Think about what it is that they do that inspires you. Is it their job that you find interesting? Is it how they relate to other people around them? Is it their presence and sense of control? Is it their dedication to a project or profession?

We can look at the people and things that motivate us and look to the future and plan accordingly.

Remember: there are many paths to reach your goals. You should always consider the "backup plan" or Plan B, or Plan C.

WHO CAN YOU TALK TO?

You should always consider the resources you have readily available to help you make these decisions. Take a step back and think about who you can ask for advice:

- Parents, family members: ask them about their choices in life.
- Teachers: they know your academic abilities and strong suits, they may be able to suggest careers that you would do well at.
- Friends: have they done any research that you find interesting? Do you share common interests and goals?
- Have you tried volunteer work in an area of interest? (Some SIC students have interned at Family Medical Practice to get experience in their field of interest).
- Be aware of career fairs and university expositions that may be held throughout the year. SIC hosts activities and information sessions with various universities both in Vietnam and abroad.
- Search the internet for undergraduate subjects that you are interested in. Make a list of universities that offer special programs in your area of interest. Browse through the university's website and see what you find out. Contact them for more information.

BRAINSTORMING!

Spend the time to gather your thoughts on paper. Not necessarily in an organised fashion, but a proper brainstorm where you write down the ideas that pop through your head no matter how silly or farfetched. Some of the best ideas in the world come from a brainstorming session.

What to do next?

Follow the steps, filling in the worksheets to help guide you to some course selections.

Below are two worksheets and a table that are provided for you to take the above information you gathered and put them into the worksheet and work with the table to help identify areas study that may suit you.



Worksheet 1: Who am I?

	<p>What am I interested in?</p>	
	<p>My personal qualities are:</p>	
	<p>My skill sets can be described as:</p>	
	<p>Who/What motivates me?</p>	<p>Who can I talk to?</p>



Worksheet 2:

	Areas of study that match my interests, qualities and skills	What careers use those skills?	What university courses could I study?	What SIC courses could I choose?
 Interests				
 Qualities				
 Skills				

Ideas about Options

Although not a complete list, please use the tables below to help you in your thought process of which courses to take.

Areas of study that match my interests, qualities and skills	What careers use those skills?	What university courses could I study?	What SIC courses could I choose?
Agriculture, Rural Studies and Animal Science			
<p><i>My interests:</i> the land, the environment, farming, plants, animal welfare</p> <p><i>My qualities:</i> observant, confident with animals, organised, good with detail, patient</p> <p><i>My skills:</i> making things, planning, problem solving, maths, technical drawing, manual work, working with animals</p>	<p>animal handler, animal welfare officer, conservation manager, farmer, grazier, horticulturist, land manager, produce manager, veterinarian, winemaker</p>	<p>agribusiness, agricultural science, animal production science, crop production, equine science and horse management, farm and land management, horticulture, plant pathology, post-harvest technology, veterinary science/technology, viticulture and wine science, wool science, zoology</p>	<p>Human Biology, Chemistry, Mathematics Methods, Physics</p>
Architecture, Building, Design and Planning			
<p><i>My interests:</i> how things work, cityscapes, buildings, building design, architecture, gardens, landscapes</p> <p><i>My qualities:</i> artistic, imaginative, organised, good with detail, creative, orderly, conscientious</p> <p><i>My skills:</i> making things, coming up with original ideas, drawing, designing, solving problems</p>	<p>architect, building manager, construction manager, environmental planner, estimator, industrial designer, interior designer, landscaper, property valuer, surveyor</p>	<p>architecture, construction economics, construction/project management, construction technology, fashion design, industrial design, interior design, landscape architecture, property management, quantity surveying</p>	<p>Design, Mathematics Applications, Mathematics Methods, Physics</p>
Arts and Humanities			
<p><i>My interests:</i> current affairs, social issues, politics, world events, languages, writing and literature, religions and cultures, history</p> <p><i>My qualities:</i> artistic, creative, adventurous, conscientious, efficient, industrious, resourceful, imaginative</p> <p><i>My skills:</i> creative writing, debating, languages, solving problems, thinking critically, using technology</p>	<p>analyst, anthropologist, archaeologist, archivist, foreign affairs officer, gallery curator, government policy officer, historian, journalist, language specialist, marketing manager, media officer, producer, researcher, social researcher, translator or interpreter</p>	<p>Aboriginal studies, archaeology, Asian studies, cinema studies, communications, English, international studies, languages, literature, media, modern/ancient history, philosophy, political science, psychology, publishing, religious studies, social science, sociology, theology, women's studies</p>	<p>English, Design, Languages</p>

Business, Commerce, Economics, Marketing and Management			
<p><i>My interests:</i> politics, economics, business, international affairs, current affairs, finance and banking, statistics, accounting</p> <p><i>My qualities:</i> good with money, ethical, organised, persuasive, independent, outgoing</p> <p><i>My skills:</i> leadership, mathematics, solving problems, showing initiative, critical thinking, logical thinking, negotiating</p>	<p>accountant, auditor, banker, business adviser, business analyst, business consultant, economist, entrepreneur, financial analyst, financial planner, human resources manager, marketing specialist, project manager, stockbroker</p>	<p>accounting, actuarial studies, agribusiness, banking, business, e-commerce, financial advising, human resource management, industrial relations, international relations, management, marketing, statistics</p>	<p>Business Management and Enterprises, English, EALD, Economics, languages, Mathematics Applications, Accounting and Finance</p>
Communications and Media Studies			
<p><i>My interests:</i> current affairs, literature, popular culture, social media, world events, politics</p> <p><i>My qualities:</i> a good communicator, organised, imaginative, persuasive, creative, resourceful, an independent worker</p> <p><i>My skills:</i> writing, public speaking, debating, thinking creatively, motivating people, analytical thinking, using initiative</p>	<p>advertising account manager, commentator, editor, filmmaker, journalist, marketing manager, media officer, multimedia designer, presenter, producer, public relations manager</p>	<p>advertising, creative industries, film, information management, journalism, multimedia, production, radio, television, video, writing</p>	<p>English, EALD, Design, AIT, CSC</p>
Creative and Performing Arts			
<p><i>My interests:</i> theatre, fashion, popular culture, music, photography, drawing, painting, graphic design, creating things, research</p> <p><i>My qualities:</i> creative, good with detail, imaginative, organised, a good communicator, an independent worker, outgoing</p> <p><i>My skills:</i> dancing, acting, performing, making things, playing an instrument, writing, photography, working things (technical skills), solving problems, using initiative, writing</p>	<p>animator, artist, cartoonist, composer, fashion designer, film director, graphic designer, illustrator, journalist, multimedia designer, musician, photographer, producer, songwriter, teacher, writer</p>	<p>animation, creative industries, creative writing, fashion, fine arts, graphic design, illustration, journalism, music, photography, theatre studies, visual arts</p>	<p>AIT, English, EALD, Design, CSC</p>
Earth and Environmental Sciences			
<p><i>My interests:</i> being outdoors, the environment, nature, oceans, marine life, volcanoes, weather, waterways, diving, animals, bushwalking, science</p> <p><i>My qualities:</i> good with detail, organised, observant, resourceful</p> <p><i>My skills:</i> mathematics, design, science, working alone, working outdoors, critical thinking, solving problems</p>	<p>conservationist, environmental officer, environmental planner, environmental scientist, fisheries manager, food and drug safety officer, forestry worker, marine conservation officer, resource manager, urban planner</p>	<p>climate change, conservation studies, environmental rehabilitation studies, food sustainability, forestry, geography (human and physical), geology, geophysics, marine resource and environmental management, spatial science, sustainability</p>	<p>Human Biology, Chemistry, AIT, Design, Mathematics Applications, Physics</p>

Education and Teaching			
<p><i>My interests:</i> helping others, being outdoors, social equality, teaching and learning, school, children</p> <p><i>My qualities:</i> active, a good communicator, patient, creative, organised, outgoing</p> <p><i>My skills:</i> time management, leadership, English, maths, planning, presentation, thinking critically</p>	<p>community educator, corporate trainer, early childhood teacher, primary teacher, secondary teacher</p>	<p>adult education, community education, early childhood teaching, human resource development, organizational learning, primary teaching, secondary teaching (specialising in a curriculum area)</p>	<p>Human Biology, Chemistry, English, EALD, languages, Mathematics Applications, Physics</p>
Engineering			
<p><i>My interests:</i> maths, science, construction, electronics, computers, programming, mechanics, how things work, robotics</p> <p><i>My qualities:</i> organised, creative, good with detail, technically minded, patient, persistent, resourceful, analytical</p> <p><i>My skills:</i> drawing, planning, computing, leadership, designing, solving problems</p>	<p>chemical or materials engineer, civil engineer, construction manager, electrical engineer, industrial engineer, manufacturer, mechanical engineer, medical engineer, production engineer</p>	<p>civil, coastal systems, computer, construction, electrical, environmental or mechanical engineering, medical engineering, engineering mechatronics, robotics, science, surveying, telecommunications</p>	<p>Chemistry, Mathematics Applications, Mathematics Methods, Mathematics Specialist, Physics, CSC, Design, AIT</p>
Health Sciences			
<p><i>My interests:</i> health, nutrition, food, how the body works, people, science, alternative medicines, helping others</p> <p><i>My qualities:</i> caring, curious, dependable, patient, a good communicator, critical thinker, organised, observant, open minded, good with people</p> <p><i>My skills:</i> leadership, fine motor skills, solving problems, working with others, time management, listening, thinking critically, motivating people</p>	<p>ambulance officer, audiologist, beauty therapist, chiropodist, chiropractor, community health worker, data scientist, dentist, dietitian, doctor, medical scientist, nurse, nutritionist, occupational therapist, oral health therapist, paramedic, pharmacist, physiotherapist, planning and policy officer, podiatrist, radiographer, researcher (e.g. food, health, medical), speech therapist, sonographer</p>	<p>beauty therapy, biomedical sciences, Chinese medicine, chiropractic science, clinical science, dental science, digital health and analytics, global health, medical imaging, medical laboratory science, naturopathy, nuclear medicine, nutrition and dietetics, occupational therapy, oral health, osteopathy, paramedicine, physiotherapy, pharmacology, podiatry, radiography, speech therapy</p>	<p>Human Biology, Chemistry, Mathematics Applications, Physics</p>
Human Movement and Sport Sciences			
<p><i>My interests:</i> sport, coaching, fitness and exercise, how the body works, nutrition, biology, health, helping others, being outdoors</p> <p><i>My qualities:</i> a good communicator, patient, observant, organised, enthusiastic, supportive, persuasive, fit and healthy, confident, outgoing</p> <p><i>My skills:</i> sports, public speaking, leadership, motivating others, fine motor skills, solving problems, teaching others, science</p>	<p>disease prevention educator, exercise scientist, fitness counsellor, fitness trainer, exercise rehabilitation worker, exercise physiologist, medical researcher, medical scientist, occupational therapist, personal trainer, physiotherapist, sport scientist, sports coach, sports marketer, teacher</p>	<p>anatomy and physiology, exercise physiology, exercise science, physiotherapy, psychology, sports coaching, sports journalism, sports management, sports psychology</p>	<p>Human Biology, Chemistry, English, EALD, Mathematics Applications, Physics, Psychology</p>

Information Technology and Information Systems			
<p><i>My interests:</i> computers, internet, web technologies, social media, electronics, programming, designing</p> <p><i>My qualities:</i> organised, orderly, good with detail, persistent, level headed, happy to work alone</p> <p><i>My skills:</i> computing, using technology, maths, solving problems, thinking logically, thinking creatively, making decisions</p>	<p>computer programmer, digital media producer, game designer, graphic designer, filmmaker, illustrator, IT consultant, photographer, software developer, systems analyst, visual effects artist, web designer</p>	<p>computer science, computing, data science, digital business, electronics, information systems, information technology, programming, software engineering</p>	<p>AIT, BME, Design, English, EALD, CSC, Mathematics Applications</p>
Law			
<p><i>My interests:</i> research, justice, fairness, equality, current affairs, politics, helping others</p> <p><i>My qualities:</i> outgoing, organised, observant, open minded, persistent, persuasive</p> <p><i>My skills:</i> debating, public speaking, writing, researching, evaluating information, negotiating, logical thinking</p>	<p>barrister, judge, legal adviser, legal officer, legal researcher, magistrate, police officer, politician, solicitor</p>	<p>conveyancing, justice studies, law, legal studies, paralegal studies, political studies</p>	<p>BME, Economics, English, EALD</p>
Medical Sciences and Medicine			
<p><i>My interests:</i> the environment, health, nutrition, how the body works, people, science, alternative medicines, helping others, research, experimenting</p> <p><i>My qualities:</i> caring, patient, a good communicator, inventive, curious, organised, good with detail, observant</p> <p><i>My skills:</i> leadership, fine motor skills, time management, making decisions, problem solving, working with others, listening</p>	<p>biochemist, biomedical engineer, chiropractor, doctor, forensic officer, genetic counsellor, laboratory technician, medical engineer, medical researcher, pathologist, pharmacist, radiologist, sonographer</p>	<p>Biomedical sciences, forensic science, health sciences, medicine, medical engineering, nanotechnology, optometry, paramedicine, pharmacy, physiotherapy</p>	<p>Human Biology, Chemistry, Mathematics Applications, Physics</p>
Nursing and Midwifery			
<p><i>My interests:</i> health care, helping others, how the body works, people, science, mothers and babies, childbirth</p> <p><i>My qualities:</i> caring, kind, a good communicator, dependable, supportive, responsible, tolerant, patient, organised</p> <p><i>My skills:</i> using initiative, teamwork, working with others, listening</p>	<p>aged care nurse, community health nurse, critical care nurse, disability care nurse, health administrator, Indigenous health nurse, mental health nurse, midwife, nurse, nurse educator, occupational health nurse, pediatric nurse, pharmaceutical sales rep, social and health policy officer, surgical nurse</p>	<p>aged care, behavioural and social sciences, health sciences, Indigenous culture, maternal and child care, mental health, midwifery, nursing (community, high-dependency, perioperative), palliative care, pediatrics, primary health care, medical/surgical nursing, rehabilitation</p>	<p>Human Biology, Chemistry, English, EALD, Mathematics Applications</p>

Science, Applied Science and Technology			
<p><i>My interests:</i> chemistry, science, the environment, weather patterns, people and communities, marine life, space, astronomy, planes, research, computers, experimenting, animals, nature, psychology, farming</p> <p><i>My qualities:</i> curious, organised, creative, good with detail, observant, resourceful</p> <p><i>My skills:</i> solving problems, critical thinking, leadership, mathematics, logical thinking, chemistry, biology</p>	<p>aviation engineer, community worker, counsellor, data analyst, field researcher, geologist, laboratory technician, medical advocate, medical marketer, researcher, sports psychologist, urban planner, vet, zookeeper</p>	<p>agricultural science, applied studies, aviation science, biological science, chemistry, environmental science, equine science, food science or technology, forensics, horticulture, marine science, mathematics, medical science, nanotechnology, physics psychology, statistics, technology, veterinary science, zoology</p>	<p>Human Biology, Chemistry, Mathematics Applications, Physics</p>
Social Sciences			
<p><i>My interests:</i> people and communities, world events, current affairs, politics, health, social responsibility, immigration, policing, justice, fairness, working with people, helping others</p> <p><i>My qualities:</i> organised, a good communicator, curious, resourceful, fair, helpful</p> <p><i>My skills:</i> critical thinking, making decisions, solving problems</p>	<p>community care officer, legal practitioner, occupational therapist, social worker, vocational guidance counsellor, welfare support officer, welfare worker</p>	<p>behavioural science, commerce, criminology, geography, policing, policy studies, psychology, social ecology, sociology</p>	<p>Economics, English, EALD, Mathematics Applications</p>
Social Work and Welfare			
<p><i>My interests:</i> people and cultures, health, social responsibility, fairness, helping others</p> <p><i>My qualities:</i> organised, caring, a good communicator, curious, resourceful, fair, helpful</p> <p><i>My skills:</i> critical thinking, making decisions, solving problems</p>	<p>aged care worker, child protection officer, community care officer, disability officer, migrant welfare officer, social worker, welfare support officer, welfare worker, youth worker</p>	<p>ageing, children and young people, health and disability, Indigenous studies, social policy, social research, social work, sociology, psychology, research skills, youth work</p>	<p>Economics, English, EALD, Mathematics Applications</p>
Tourism, Hospitality and Event Management			
<p><i>My interests:</i> travel, people and cultures, world events, languages, helping others, being outdoors, being active</p> <p><i>My qualities:</i> organised, good with detail, a good communicator, confident, patient, persistent, sincere, friendly, flexible, punctual</p> <p><i>My skills:</i> languages, leadership, planning, serving customers, solving problems, working with people from diverse backgrounds</p>	<p>environmental planner, event manager, hotel manager, resort manager, restaurateur, travel consultant, tour operator</p>	<p>event management, hotel management, leisure studies, recreational management and planning, sport management, tourism management</p>	<p>Economics, English, EALD, languages, Mathematics Applications</p>

Appendix A

SIC COURSE DESCRIPTIONS

ACCOUNTING AND FINANCE

ATAR

The Accounting and Finance ATAR course focuses on financial literacy and aims to provide students with the knowledge, understandings and a range of skills that enables them to make sound financial judgements. Students develop an understanding that financial decisions have far reaching consequences for individuals and business. The course will provide students with the understanding of the systems and processes through which financial practices and decision making are carried out, as well as the ethical, social and environmental issues involved. Through the preparation, examination and analysis of a variety of financial documents and systems, students develop an understanding of the fundamental principles and practices upon which accounting and financial management are based. An understanding and application of these principles and practices enables students to analyse their own financial data and that of businesses and make informed decisions, forecasts of future performance, and recommendations based on that analysis.

General

The Accounting and Finance General course focuses on financial literacy and aims to provide students with the knowledge, understandings and a range of skills that enables them to engage in sound financial decision making. Students develop an understanding that financial decisions have far reaching consequences. Through the preparation, examination and analysis of financial documents and procedures, students develop an understanding of the fundamental principles and practices upon which accounting and financial management are based. An understanding of these principles and practices enables students to analyse their own financial data and that of small businesses, and make informed decisions based on that analysis.

Applied Information and Technology

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.

Business Management and Enterprises

ATAR

The Business Management and Enterprise ATAR course focuses on business planning, marketing and growth, and opportunities provided for business by technology and the global environment. Students examine factors that drive international business developments, the features and traits of successful management, and how businesses operate strategically to maximise business performance in a global setting. Through the consideration of real businesses and scenarios, students develop knowledge, understanding and skills that enable them to apply financial and business literacy, analyse business opportunities, evaluate business performance, identify and create opportunities, and make sound, ethical business decisions within a business environment. The course equips students to participate proactively in the world of business, behave responsibly and demonstrate integrity in business activities.

General

The Business Management and Enterprise General course focuses on establishing and operating a small business in Australia and aims to provide students with an understanding of the knowledge and skills of the processes and procedures required for generating business ideas and turning them into a viable business venture. Factors that impact on business innovation and success, business planning, and legal aspects of running a small business are examined. Students engage in the running of a small business, or participate in business simulations, to develop practical business skills and to develop financial and business literacy. Through the consideration of real businesses and scenarios, students develop knowledge, understanding and skills that enable them to analyse business opportunities, develop proposals and make sound, ethical business decisions. The course equips students to participate proactively in the world of business, behave responsibly and demonstrate integrity in business activities.

Chemistry

ATAR

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.

Computer Science

General

In the Computer Science General Course students are introduced to the fundamental principles, concepts and skills within the field of computing. They learn how to diagnose and solve problems while exploring the building blocks of computing. Students explore the principles related to the creation of computer and information systems; software development; the connectivity between computers; the management of data; the development of database systems; and the moral and ethical considerations for the use of computer systems. This course provides students with the practical and technical skills that equip them to function effectively in a world where these attributes are vital for employability and daily life in a technological society.

Design

General

In the Design General course students develop skills and processes for current and future industry and employment markets. Students are equipped with the knowledge and skills to understand design principles and processes, analyse problems and devise innovative strategies through projects. Students are able to focus on particular contexts from a choice of photography, graphics, dimensional design and technical graphics. The Design General course also emphasises the scope of design in trade based industries allowing students to maximise vocational pathways.

Economics

ATAR

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.

General

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 General course aims to develop students' understanding of the process of economic decision making in relation to the allocation, utilisation and distribution of scarce resources. A key focus is on wealth and wellbeing. The study of Economics provides a framework for examining economic events and issues at the individual, business and societal level.

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.

English as an Additional Language or Dialect

ATAR

The EAL/D courses are designed for students who speak another language or dialect as their first or 'home' language. EAL/D focuses on development of the competent use of Standard Australian English (SAE) in a range of contexts. The EAL/D ATAR course develops academic English skills to prepare students for tertiary study.

General

The EAL/D courses are designed for students who speak another language or dialect as their first or 'home' language. EAL/D focuses on development of the competent use of Standard Australian English (SAE) in a range of contexts. The EAL/D General course prepares students for a range of post-secondary destinations in further education, training and the workplace.

Human Biology

ATAR

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

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

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.

Mathematics Essentials

General

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

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.

Mathematics Specialist

ATAR

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.

Physics

ATAR

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.

Psychology

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.

SOURCE: Senior-secondary.scsa.wa.edu.au. (2018). Years 11 and 12 | Home. [online] Available at: <https://senior-secondary.scsa.wa.edu.au/> [Accessed 14 Aug. 2018].

Appendix B: OLNA

INFORMATION GUIDE AND RESOURCES

What is OLNA?

The OLNA is an online literacy and numeracy assessment. It is designed to enable students to successfully meet the Western Australian Certificate of Education (WACE) requirement of demonstrating the minimum standard of literacy and numeracy.

What is the minimum standard of literacy and numeracy?

To successfully meet the literacy and numeracy requirement, students must demonstrate the skills regarded as essential to meet the demands of everyday life and work in a knowledge-based economy. These skills are described in Level 3 of the Australian Core Skills Framework (available at <https://docs.education.gov.au/node/37095>).

These skills must be demonstrated in:

- Literacy (reading and writing)
- Numeracy.

What are the tests?

The reading and numeracy tests each comprise 45 multiple-choice questions. Students have 50 minutes to complete each of these tests. The writing test is a typed response of up to 600 words. Students have 60 minutes to complete the writing test.

When will the tests be?

2019 (provisional) Testing window dates are:

Component	Round One	Round Two
Writing	5-8 March	2-5 September
Numeracy and Reading	5-29 March	2 -27 September

What can I do to prepare?

SCSA Website: OLNAs go to <https://senior-secondary.scsa.wa.edu.au/assessment/olna>

Frequently asked questions:

https://senior-secondary.scsa.wa.edu.au/_data/assets/pdf_file/0007/76408/Online-Literacy-and-Numeracy-Assessment-OLNA-Frequently-asked-questions-for-students-March-2018.PDF

Information for parents:

https://senior-secondary.scsa.wa.edu.au/_data/assets/pdf_file/0019/76420/OLNA_brochure_-_for_parents_carers_March_2018.pdf

OLNA Writing Guide:

https://senior-secondary.scsa.wa.edu.au/_data/assets/pdf_file/0008/76409/OLNA_writing_guide.pdf

Practice and Example Tests:

<https://senior-secondary.scsa.wa.edu.au/assessment/olna/practice-and-example-tests>

Access to the practice and example tests

The practice and example tests can be accessed by using the details below

web address: assess.scsa.wa.edu.au

username: olna

password: prac14

Source: Senior-secondary.scsa.wa.edu.au. (2018). Years 11 and 12 | OLNAs. [online] Available at: <https://senior-secondary.scsa.wa.edu.au/assessment/olna> [Accessed 17 Aug. 2018].