



Government of **Western Australia**
School Curriculum and Standards Authority

AGRICULTURAL SCIENCE AND TECHNOLOGY

ATAR course

Year 12 syllabus – What’s changing: General capabilities

For teaching in 2027

Acknowledgement of Country

Kaya. The School Curriculum and Standards Authority (the Authority) acknowledges that our offices are on Whadjuk Noongar boodjar and that we deliver our services on the country of many traditional custodians and language groups throughout Western Australia. The Authority acknowledges the traditional custodians throughout Western Australia and their continuing connection to land, waters and community. We offer our respect to Elders past and present.

Background

As part of the Western Australian Certificate of Education (WACE) Refreshment to investigate the assessment and reporting of the general capabilities on the Western Australian Statement of Student Achievement (WASSA), the Authority has updated the statements about the general capabilities in each syllabus.

The Authority has mapped the general capabilities through the unit content and assessment types for each of the WACE courses. Students will have the opportunity to develop the general capabilities identified in the course through the teaching, learning and assessment programs. These general capabilities will be reflected on the WASSA.

Important information

WACE Refreshment: Investigating the assessment and reporting of the general capabilities on the Western Australian Statement of Student Achievement (WASSA)

This document contains information that will be included in the syllabus effective from 1 January 2027.

Users of the syllabus are responsible for checking its currency.

Syllabuses are formally reviewed by the Authority on a cyclical basis, typically every five years.

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Representation of the general capabilities

The general capabilities encompass the knowledge, skills, behaviours and dispositions that will support students to live and work successfully now and into the future. Teachers should find opportunities to incorporate the following capabilities into the teaching and learning program for the Agricultural Science and Technology ATAR course. The general capabilities are not assessed unless they are identified within the specified unit content.

Critical and creative thinking

Critical and creative thinking is particularly important in the investigative process. This requires the ability to construct, review and revise questions and hypotheses about increasingly complex and abstract scenarios and to design related investigation methods. Students interpret and evaluate data; interrogate, select and cross-reference evidence; and analyse processes, interpretations, conclusions and claims for validity and reliability, including reflecting on their own processes and conclusions. Students devise innovative solutions to problems, predict possibilities, envisage consequences and speculate on possible outcomes. They also appreciate the role of critical and creative individuals and the central importance of critique and review.

Digital literacy

Students use a range of strategies to locate, access and evaluate information from multiple digital sources; to collect, analyse and represent data using digital technologies. Students also assess the impact of digital technologies on the productivity, efficiency and sustainability of agricultural systems.

Literacy

Literacy is important in students' development of investigative skills and their understanding of content. Students gather, interpret, synthesise and critically analyse information presented in a wide range of forms. They evaluate information sources and compare and contrast ideas, information and opinions presented within and between texts. They communicate processes and ideas logically and fluently, structure evidence-based arguments, and employ appropriate methods to communicate for specific purposes and audiences.

Numeracy

Numeracy is key to students' ability to apply a wide range of skills, including making and recording observations; ordering, representing and analysing data; and interpreting trends and relationships. They employ numeracy skills to interpret spatial and graphic representations, and to appreciate the ways in which agricultural systems are structured, interact and change. They engage in data analysis, and they interpret and manipulate mathematical relationships to calculate and predict values.

Addressing the other general capabilities

Although the following general capabilities have not been identified as a focus in the Agricultural Science and Technology ATAR syllabus, teachers may find opportunities to incorporate these capabilities into the teaching and learning program.

- Ethical understanding
- Intercultural understanding
- Personal and social capability

Such opportunities may occur through the application of different contexts, pedagogical practices and/or assessment strategies that relate to the syllabus as part of the teaching and learning program.

Summary representation of the general capabilities in the Agricultural Science and Technology ATAR course

A representation of the general capabilities for the two years is summarised in the table below.

Year	Course	Course type	General capabilities						
			CCT	DL	EU	IU	L	N	PSC
Year 11	Agricultural Science and Technology (A1ASR)	ATAR	✓	✓	✓		✓	✓	
Year 12	Agricultural Science and Technology (A2AST)	ATAR	✓	✓			✓	✓	

Key

CCT: Critical and creative thinking, DL: Digital literacy, EU: Ethical understanding, IU: Intercultural understanding, L: Literacy, N: Numeracy, PSC: Personal and social capability