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

SAMPLE ASSESSMENT OUTLINE

COMPUTER SCIENCE
ATAR YEAR 12

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.

Disclaimer

Any resources such as texts, websites and so on that may be referred to in this document are provided as examples of resources that teachers can use to support their learning programs. Their inclusion does not imply that they are mandatory or that they are the only resources relevant to the course.

Sample assessment outline

Computer Science – ATAR Year 12

Unit 3 and Unit 4

Assessment type	Assessment type weighting	Assessment task weighting	Due date	Assessment task
Project	40%	15%	Semester 1 Weeks 5–8	**Task 1:** Using the framework for development, create an object-oriented program for a business client that requires a two-dimensional array, creation of classes, program control structures and good programming practices.
		25%	Semester 2 Weeks 10–13	**Task 6:** Develop and implement an integrated database programming solution using a software development framework that combines both programming skills and concepts with database creation and manipulation.
Theory test	10%	5%	Semester 1 Week 10	**Task 3:** A series of short and extended answer questions based on programming content with a focus on ethical and legal implications of software development.
		5%	Semester 2 Week 5	**Task 5:** A series of short and extended answer questions based on Network communications and Cyber Security concepts, including the interpretation and creation of network diagrams using specified CISCO conventions to represent network topologies, considering addressing, subnets, segmentation, security and performance.
Practical test	10%	5%	Semester 1 Week 8	**Task 2:** A practical test that focuses on a series of programming items that increase in difficulty. These programming items include debugging errors, dictionaries and classes.
		5%	Semester 2 Week 14	**Task 7:** A practical test to complete the creation and manipulation of a relational database management system (RDBMS) and use structured query language (SQL) to query required data, which can include enforcing referential integrity, DELETE, INSERT, inner joins, calculated and concatenated fields.
Examination	40%	15%	Semester 1 Week 16	**Task 4:** Semester 1 Examination – three hours using the examination design brief from the ATAR Year 12 syllabus. Section One, short answer, 20–30 questions (40%); Section Two, extended answer, four to six questions (60%).
		25%	Semester 2 Week 16	**Task 8:** Semester 2 Examination – three hours using the examination design brief from the ATAR Year 12 syllabus. Section One, short answer, 20–30 questions (40%); Section Two, extended answer, four to six questions (60%).
Total	**100%**	**100%**		