



Archbishop MacDonald Catholic High School

Course	Computing Science 30 (5 credit)
Year	2025 - 2026
Term	S2
Teacher(s)	Carby, Neil (neil.carby@ecsd.net)
Resources	Notes and handouts will be provided on Google Classroom
Program of Studies	https://curriculum.learnalberta.ca/curriculum/en/pos/CTSCSE
Overview	This course consists of five 1 credit modules:

CSE3010: COMPUTER SCIENCE 3 (1 credit)

Students add to their understanding of the social implications of computer science by examining the emerging information society.

Prerequisite: CSE2010: Computer Science 2

CS3110: ITERATIVE ALGORITHM 1 (1 credit)

Students learn a number of standard iterative data processing algorithms useful for working with data structures such as arrays.

Prerequisite: CSE2110: Procedural Programming 1

CSE3120: OBJECT-ORIENTED PROGRAMMING 1 (1 credit)

Students add to their understanding of programming paradigms by moving to an object-oriented approach, in which it is handled through objects. *Prerequisite:*

CSE2110: Procedural Programming 1

CSE3140: SECOND LANGUAGE PROGRAMMING 2 (1 credit)

Students compare and contrast a new language with a previously learned language.

Prerequisite: CSE2120: Data Structures 1



CSE3910: CSE PROJECT D (1 credit)

Students develop project design and management skills by completing a major game development project.

Prerequisite: None

IB Philosophy

MAC's courses use the IB philosophy to encourage the holistic development of all students. The Learner Profile and Approaches to Teaching and Learning are used at all levels so that students develop a better understanding of curriculum objectives. This course will focus on the Learner Profiles COMMUNICATORS and BALANCED. Our Approaches to Learning skill will be SELF-MANAGEMENT and THINKING SKILLS.

Assessment

The final grade is based on category weightings as follows:

Projects – 80%

Tests – 20%

The code NHI may be used to represent coursework that has not been handed in. It is representative of a zero. In addition, the following may appear for a student in PowerSchool instead of, or in addition to, a numeric grade:



Standards



Has Description



Has Comment



Collected



Late



Missing



Exempt from Final Grade



Absent



Incomplete



Excluded

Disclaimer

A wide range of assessment information is used in the development of a student's final grade. At Archbishop Macdonald Catholic High School, individualized assessments provide specific information regarding student progress and overall performance in class. Student assessment may vary from student to student to adapt for differences in student needs, learning styles, preferences, and paces. It should also be noted that not all assignments are used to determine the final grade, and that scale factors may have been used to determine the weight of individual assignments.

Personal Mobile Device Standards

Mobile Devices and Social Media Use:

- Personal mobile devices are to be silenced or turned off and stored in the student's assigned locker during the day, which must be locked.
- No personal mobile devices are to be used during the day except for at lunch.
- No social media is to be accessed during the school day.
- The standards for Personal Mobile Devices includes cell phones, SMART watches, earbuds, and headphones

Non-compliance with the standards will result in consequences of a suspension or loss of privileges such as participation in school trips, or activities, sports teams, and extracurricular activities.

Expectations

Unexcused absences and/or lates are unacceptable and may have a negative effect on the grade. Missed coursework may be expected to be completed and may be scored as zero or NHI until submitted (see disclaimer).

Student Handbook [LINK](#)

Academic Integrity [LINK](#)

