

Information and Software Technology

Year 10

Information and Software Technology is an elective course that is studied for 100 hours for Stage 5 at Menai High School.

Course Description

People will require highly developed levels of computing and technology literacy for their future lives. Students therefore need to be aware of the scope, limitations and implications of information and software technologies.

Tasks, performed over a range of projects, will enable this practical based course to deliver the relevant knowledge and skills needed by students.

What will students learn about?

The core content to be covered in this course is integrated into the options chosen within the school. The course has been designed with an emphasis on practical activities.

The option topics to be studied within this course include:

1. Artificial Intelligence, Simulation and Modelling
2. Database Design
3. Software Development and Programming
4. Authoring and Multimedia
5. Internet and Website Development
6. Digital Media

What will students learn to do?

Students will identify needs or problems to be solved, explore a range of possible solutions and produce full working solutions. They will use a variety of technologies to create, modify and produce products in a range of media formats.

Project based work will assist in developing a range of skills, including research, design and problem solving strategies over the chosen topic.

Satisfactory completion of 100 hours of study in Information and Software Technology during Stage 5 (Year 10) will be recorded with a grade on the student's Stage 5 Record of Student Achievement.