

Course Structure

The arrangement and relationship between components of the Preliminary course and the HSC course for Information Processes and Technology Stage 6 are outlined below. The percentage values refer to indicative course time. A minimum of 40% course time is to be devoted to the integration of content into project work in both the Preliminary and HSC courses. It is also expected that a significant proportion of time will be devoted to integrated practical activities.

Preliminary Course	HSC Course
<p>Introduction to Information Skills and Systems (20%)</p> <ul style="list-style-type: none"> • Information systems in context • Information processes • The nature of data and information • Reasons for digital data representation • Social and ethical issues <p>Tools for Information Processes (50%)</p> <ul style="list-style-type: none"> • Collecting • Organising • Analysing • Storing and Retrieving • Processing • Transmitting and Receiving • Displaying • Integration of processes <p>Developing Information Systems (30%)</p> <ul style="list-style-type: none"> • Traditional stages in developing a system • Complexity of systems • Roles of people involved in systems development • Social and ethical issues 	<p>Project Management (20%)</p> <ul style="list-style-type: none"> • Techniques for managing a project • Understanding the problem • Planning • Designing solutions • Implementing • Testing, evaluating and maintaining <p>Information Systems and Databases (20%)</p> <ul style="list-style-type: none"> • Information systems • Database information systems • Organisation • Storage and retrieval • Other information processes • Issues related to information systems <p>Communication Systems (20%)</p> <ul style="list-style-type: none"> • Characteristics of communication systems • Examples of communication systems • Transmitting and receiving in communication systems • Other information processes in communication systems • Managing communication systems • Issues related to communication systems <p>Option Strands (40%)</p> <p>Students will select TWO of the following options:</p> <ul style="list-style-type: none"> • Transaction Processing Systems • Decision Support Systems • Automated Manufacturing Systems • Multimedia Systems