

B.Sc. (Hons) Computing

Each degree is composed of a number of units to obtain a **minimum of 180 ECTS overall**. This includes the equivalent of 60 ECTS obtained at diploma level and a further 120 ECTS obtained through Level 2 and 3 units with a minimum of 45 ECTS necessary at each level. Such units are classified as being either **Core (C)**, **Specialised (S)** and **Elective (E)**:

- **Core units** - units which are core to all computing programmes. These are compulsory for all students.
- **Specialised units** - units which are mandatory for the specialisation being followed. These units are compulsory for those students following the respective specialisation.
- **Elective units** - units which are not compulsory but are still required to ensure the students complete the minimum ECTS requirements for the degree. These are predetermined by SMI depending on the specialisation being followed. Students may also choose elective units from other specialisations offered during the same academic year, subject to availability and approval by SMI.

Core Units

Code	Study Unit		ECTS
SMc20347	Software Engineering	A	7
SMc20374	Programming for Prototyping	W	4
SMc20375	Specified Task	S	7
SMc21467	Graphical Object-oriented Programming	A	7
SMc21372	Statistics	W	7
SMc30390	Research Project	Supervision (All Year)	15
SMc30397	Designing and Analysing Experiments	A	3
SMc30415	The Ethics of Information Technology in Society	A	3

MQF Level 6
Qualification

Total Credits 180
ECTS

Duration
minimum

FULL-TIME 2 years
(18 months)

PART-TIME 3 years
(27 months)

Delivery Mode
In person

Conferred By



Job Opportunities

Software Developer/
Engineer
Network
Administrator
IT Support Specialist
IT Consultant
Business Analyst

Structure of the Programme

A: Autumn Trimester
(Oct - Dec)

W: Winter Trimester
(Jan - Mar)

S: Spring Trimester
(Apr - Jun)

SU: Summer Trimester
(Jul - Sept)

The trimester, in which the study units are taught, may change at the discretion of the Institute.

Assessment

Assessment includes coursework and in-person examinations.

B.Sc. (Hons) Computing

MQF Level 6
Qualification

Total Credits 180
ECTS

Duration
minimum

FULL-TIME 2 years
(18 months)

PART-TIME 3 years
(27 months)

Delivery Mode
In person

Conferred By



Job Opportunities

Software Developer/
Engineer
Network
Administrator
IT Support Specialist
IT Consultant
Business Analyst

Structure of the Programme

A: Autumn Trimester
(Oct – Dec)

W: Winter Trimester
(Jan – Mar)

S: Spring Trimester
(Apr – Jun)

SU: Summer Trimester
(Jul – Sept)

The trimester, in which the study units are taught, may change at the discretion of the Institute.

Assessment

Assessment includes coursework and in-person examinations.

Specialised Units

Code	Study Unit		ECTS
SMc20376	Methods in UX Design	A	4
SMc20385	Fundamentals of Mixed Reality	A	3
SMc21342	Internet Programming	W	7
SMc21348	Algorithmic Design and Analysis	A	7
SMc21353	Server Side Scripting	A	3
SMc21363	Implementing and Maintaining Database Security and Integrity	A	3
SMc21371	Advanced Database Principles and Distributed Systems	W	3
SMc30401	Evaluating Usability	A	4

Elective Units

Code	Study Unit		ECTS
SMc30382	Computer Security	A	7
SMc30395	E-business	S	7
SMc30413	Fintech - Technology and Concepts	W	7
SMc31387	Artificial Intelligence	A	7
SMc31402	Machine Learning	W	7
SMc31403	Natural Language Processing	A	7

Such units are subject to change and chosen by SMI depending on a number of reasons including, but not limited to, curriculum developments, staffing resources and timetabling.