BSc (Hons) Computer Science (Virtual Reality)

STMARTINS.EDU/london.ac.uk/courses/computer-science

MQF LEVEL 6 **TOTAL CREDITS:** 180ECTS **DURATION:** Full time ***2 Year*** *(18 Months)* / Part time ***3 Years*** *(27 Months)*

Job Opportunities

VR Developer
Environment Artist
VR Architect
Augmented Reality Engineer

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. Such units are classified as being either Core (C) or Elective (E) as explained below:

- **Core units** - units which are core to all computing programmes. These are compulsory for all students.
- **Elective units** - units which are not compulsory but still required to ensure the students complete the minimum ECTS requirements for the degree. Such units are typically selected in relation to the programme of studies being followed by the student. Elective units are subject to availability and at the discretion of the institute.

Core Units

The following Level 2 and Level 3 units are compulsory to all the computing degrees and amount to a total of **112.5 ECTS**.

Code	Study Unit		ECTS
SMc20435	Programming with Data	*W*	7.5
SMc20436	Introduction to Graphics Programming	*A*	7.5
SMc20445	Agile Software Projects	*W*	7.5
SMc20446	Software Design and Development	*A*	7.5
SMc20447	Object Oriented Programming	*W*	7.5
SMc20448	Computer Security	*A*	7.5
SMc20458	Databases, Networks and the Web	*A*	7.5
SMc20459	Algorithms and Data Structures II	*W*	7.5
SMc30386	Interaction Design	*TBA*	7.5
SMc30390	The Final Project	*Supervision (All Year)*	15
SMc30449	Virtual Reality	*TBA*	7.5
SMc30450	Games Development	*TBA*	7.5
SMc30451	3D Graphics and Animation	*TBA*	7.5

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Code	Study Unit		ECTS
SMc30452	Mobile Development	*TBA*	7.5

The remaining **7.5 ECTS** credits (minimum) to complete the qualification need to be selected from the Elective units below:

Code	Study Unit		ECTS
SMc30453	Advanced Web Development	*TBA*	7.5
SMc30454	Physical Computing and the Internet of Things	*TBA*	7.5
SMc30455	Databases and Advanced Techniques	*TBA*	7.5
SMc30457	Intelligent Signal Processing	*TBA*	7.5
SMc31387	Artificial Intelligence	*TBA*	7.5
SMc31402	Machine Learning and Neural Networks	*TBA*	7.5
SMc31403	Natural Language Processing	*TBA*	7.5

In addition to the above, SMI may provide additional homegrown units which are deemed to being beneficial to the degree programme.

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