

**Macao Polytechnic Institute**  
**Bachelor of Science in Computing Program**  
**Pre-requisite Course List**  
**Effective for intakes starting from Academic Year 2016/2017**

Course Title		Pre-requisite(s)	
<b>Year 1</b>			
COMP121	Computer Architecture	MATH111	Essential Computer Mathematics
COMP122	Data Structures and Algorithms	COMP112	Programming I
MATH121	Discrete Mathematics	MATH111	Essential Computer Mathematics
MENG121	English II	MENG111	English I
<b>Year 2</b>			
MATH211	Statistics I	MATH111	Essential Computer Mathematics
MENG211	English III	MENG121	English II
COMP224	Database Management Systems	COMP211	Database Design
MENG221	English IV	MENG211	English III
<b>Year 3</b>			
COMP312	Internet Programming II	COMP113	Web Technologies
MENG311	English V	MENG221	English IV
COMP321	Information System Implementation	COMP112 COMP211	Programming I Database Design
COMP323	Data Warehousing and Data Mining	COMP211	Database Design
COMP324	Gaming Technology I	COMP316	Introduction to Gaming Technology
MATH321	Statistics II	MATH211	Statistics I
MATH322	Mathematics for Gaming Technology	MATH211	Statistics I
MENG321	English VI	MENG311	English V
<b>Year 4</b>			
COMP413	Enterprise System and Application Development	COMP221	Object-oriented Technologies
COMP414	Gaming Technology II	COMP316	Introduction to Gaming Technology
COMP424	Computer Game Design and Development	COMP311	Multimedia Application Development
COMP490	Final Year Project	COMP223 COMP321	Software Engineering Information System Implementation
COMP403	Database Administration & Programming	COMP211	Database Design
COMP404	IP Routing	COMP214	Computer Networks
COMP405	Mobile Computing & Wireless Networks	COMP123	Data Communications

Note:

- In order to enroll in courses with pre-requisite(s), students MUST pass the pre-requisite course(s) first.