

## Curriculum for Software Engineering Specialisation

### **Compulsory Courses**

Course	Prerequisites
<b>Level 3</b>	
AGM3263 Communication Skills	None
EEI3346 Web Application Development	None
EEI3262 Introduction to Object Oriented Programming	None
EEI3266 Information Systems and Data Management	None
EEX3373 Communication and Computer Technology	AGM3203 (CR), EEX3467(CR)
EEX3467 Software Engineering Concepts and Programming	None
MHZ3459 Basic Mathematics for Computing	None
<b>Level 4</b>	
AGM4307 Economics and Marketing for Engineers	Pass in 18 credits at Level 3
EEI4267 Requirement Engineering	EEX3467(P)
EEI4346 Web Technology	EEI3346(CR)
EEI4361 User Experience Engineering	EEX3467(EL), Pass in 15 credits
EEI4362 Object Oriented Design	EEI3262(CA), EEX3467(CA), Pass in 15 credits
EEI4366 Data Modelling and Database Systems	EEI3266(CA), Pass in 15 credits
EEX4465 Data Structures and Algorithms	EEX3373(CA), MHZ4256(CR), Pass in 15 credits
EEY4189 Software Design in Group	EEX3467(P), {EEI3262(CA) or EEI3269(CA)}, Pass in 26 credits at level 3
MHZ4252 Mathematics for Computing	None
MHZ4377 Applied Statistics	None
<b>Level 5</b>	
CVM5402 Accounting for Engineers	AGM4307(P)
EEI5467 Software Testing and Quality Assurance	EEX3467(P), 30 credits pass
EEI5270 Information Security	EEX3467(P), EEX4465(P), pass in 30 credits
EEX5362 Performance Modelling	Pass in 40 credits, EEI3346(P), MHZ4377(P)
EEX5563 Computer Architecture and Operating Systems	EEX3373(P) , Pass in 36 credits
EEW5811 Industrial Training – Software	EEX3467(P), EEI4362(P), EEX4465(P), Pass in 40 credits
MHZ5375 Discrete Mathematics	MHZ4256(CA), MHZ3459(P)
MHJ5372 Technology, Society and Environment	Pass in 45 credits