

Bachelor Eng (Honours) / Master Biomedical Eng - 3768 - Software Engineering - SENGAH -T1 2026 Start

Program: Eng (Hons) / MBiomedE [3768]

Year 1 Term 1

Course or Activity	Prerequisites	Credits
MATH1081 Discrete Mathematics		6
<i>MATH1131 or MATH1141</i>		6
<i>Discipline Electives</i>		6

Year 1 Term 2

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
<i>MATH1231 or MATH1241</i>		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
COMP1521 Computer Systems Fundamentals	COMP1511	6
COMP1531 Software Engineering Fundamentals	COMP1511	6
DESN1000 Introduction to Engineering Design and Innovation		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
COMP2521 Data Structures and Algorithms	COMP1511	6
SENG2021 Requirements and Design Workshop	COMP1531	6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
COMP2041 Software Construction: Techniques and Tools	COMP1511	6
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511, COMP1521	6
MATH2400 Finite Mathematics	MATH1081	3
MATH2859 Probability, Statistics and Information		3

Year 2 Term 3

Course or Activity	Prerequisites	Credits
COMP2511 Software Design and Architecture	COMP2521, COMP1531	6

SENG2011 Workshop on Reasoning about Programs	MATH1081	6
<i>Discipline Electives</i>		6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
COMP3311 Database Systems	COMP2521	6
PHSL2121 Principles of Physiology A		6
SENG3011 Software Engineering Workshop 3	SENG2021	6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
COMP3142 Software Testing and Quality Assurance	COMP2521, COMP1531, COMP2511	6
COMP3331 Computer Networks and Applications	COMP2521	6
<i>Free Elective</i>		6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
<i>Discipline Electives</i>		6
<i>Discipline Electives</i>		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
COMP4920 Professional Issues and Ethics in Information Technology		6
<i>Discipline Electives</i>		6
<i>Discipline Electives</i>		6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
<i>Biomedical Engineering Courses</i>		6
<i>Biomedical Engineering Courses</i>		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
<i>Biomedical Engineering Courses</i>		6
<i>Biomedical Engineering Courses</i>		6
<i>Free Elective</i>		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
BIOM4951 Research Thesis A		4
BIOM9410 Regulatory Requirements of Biomedical Technology		6
<i>Biomedical Engineering Courses</i>		6

Year 5 Term 2

Course or Activity	Prerequisites	Credits
BIOM4952 Research Thesis B	BIOM4951	4
BIOM9332 Biocompatibility		6
BIOM9420 Clinical Laboratory Science		6

Year 5 Term 3

Course or Activity	Prerequisites	Credits
BIOM4953 Research Thesis C	BIOM4952	4
ENGG4999 Industrial Training		0
<i>Biomedical Engineering Courses</i>		6
<i>Biomedical Engineering (Dual Mode)</i>		6