Bachelor Eng (Honours) / Master Biomedical Eng - 3768 - Bioinformatics Eng - BINFAH - T2 2026

Program: Eng (Hons) / MBiomedE [3768]

Year 1 Term 2

Course or Activity	Prerequisites	Credits
COMP1511 Programming Fundamentals		6
PHYS1111 or PHYS1121 or PHYS1131		6
MATH1131 or MATH1141		6

Year 1 Term 3

Course or Activity	Prerequisites	Credits
BABS1201 Molecules, Cells and Genes		6
DESN1000 Introduction to Engineering Design and Innovation		6
MATH1231 or MATH1241		6

Year 2 Term 1

Course or Activity	Prerequisites	Credits
COMP1531 Software Engineering Fundamentals	COMP1511	6
MATH1081 Discrete Mathematics		6

Year 2 Term 2

Course or Activity	Prerequisites	Credits
COMP1521 Computer Systems Fundamentals	COMP1511	6
COMP2041 Software Construction: Techniques and Tools	COMP1511	6
CHEM1011 or CHEM1031		6

Year 2 Term 3

Course or Activity	Prerequisites	Credits
BINF2010 Introduction to Bioinformatics	BABS1201	6
BIOC2201 Principles of Molecular Biology (Advanced)	BABS1201	6
COMP2521 Data Structures and Algorithms	COMP1511	6

Year 3 Term 1

Course or Activity	Prerequisites	Credits
COMP2511 Object-Oriented Design and Programming	COMP2521, COMP1531	6

PHSL2121 Principles of Physiology A		6

Year 3 Term 2

Course or Activity	Prerequisites	Credits
BINF3010 Applied Bioinformatics	BIOC2201	6
DESN2000 Engineering Design and Professional Practice	COMP2521, DESN1000, COMP1511, COMP1521	6
MATH2801 or MATH2901		6

Year 3 Term 3

Course or Activity	Prerequisites	Credits
BINF3020 Computational Bioinformatics	BINF2010, COMP2041	6
BABS2264 or BABS2202 or BIOC2101 or MICR2011 or BABS2204		6

Year 4 Term 1

Course or Activity	Prerequisites	Credits
BABS3121 Molecular Biology of Nucleic Acids	BIOC2201	6
COMP3121 Algorithm Design and Analysis	MATH1081, COMP2521	6
COMP3311 Database Systems	COMP2521	6

Year 4 Term 2

Course or Activity	Prerequisites	Credits
Biomedical Engineering Courses		6
Discipline Electives		6
Discipline Electives		6

Year 4 Term 3

Course or Activity	Prerequisites	Credits
COMP4920 Professional Issues and Ethics in Information Technology		6
Biomedical Engineering Courses		6

Year 5 Term 1

Course or Activity	Prerequisites	Credits
BIOM9410 Regulatory Requirements of Biomedical Technology		6
Biomedical Engineering Courses		6
Biomedical Engineering Courses		6

Year 5 Term 2

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

Year 5 Term 3

Course or Activity	Prerequisites	Credits
BIOM4952 Research Thesis B	BIOM4951	4
Biomedical Engineering Courses		6
Biomedical Engineering Courses		6

Year 6 Term 1

Course or Activity	Prerequisites	Credits
BIOM4953 Research Thesis C	BIOM4952	4
ENGG4999 Industrial Training		0
Biomedical Engineering (Dual Mode)		6
Free Elective		6