

The University of Western Australia  
 Bachelor of Science - Life Sciences  
 Common Units & Prerequisites

Unit Code	Unit Name	Credit Points	BIOMS	BMGEN	CHEMS	MBBTC	PHARS	Lecturer	Unit Coordinator	Prerequisites	Recommended
ANHB1101	Human Biology I (Becoming Human)	6	Yes	Yes	Yes	Yes	Yes	PSB	Kathy Sanders Julie Hill	nil	
CHEM1103	Biological Organic Chemistry	6	Yes	Yes	Yes	Yes	Yes	PSB	Marta Polomska	nil	
CHEM1104	Biological Inorganic & Physical Chemistry	6	Yes	Yes	Yes	Yes	Yes	PSB	Emma Bartle	nil	
MATH1040	Calculus B	6	Yes	Yes	Yes	Yes	Yes	PSB	Kathleen Chindarsi	nil	
SCIE1106	Molecular Biology of the Cell	6	Yes	Yes	Yes	Yes	Yes	PSB	Martha Ludwig deputy Paul Besant	CHEM1103 or CHEM1104	
STAT1510	Statistics A	6	Yes	Yes	Yes	Yes	Yes	PSB	Kevin Murray	nil	
BIOC2201	Biochemistry of the Cell	6	Yes	Yes	Yes	Yes	Yes	PSB	Peter Arthur	ANHB1101; CHEM1103; CHEM1104; SCIE1106	
BIOC2202	Biochemical Regulation of Cell Function	6	Yes	Yes	Yes	Yes	Yes	PSB	Peter Arthur	BIOC2201	
CHEM2210	Structure Determination & Physical Chemistry	6	-	-	Yes	Yes	Yes	UWA	Murray Baker	CHEM1103; CHEM1104	
CHEM2211	Synthetic & Materials Chemistry	6	-	-	Yes	-	Yes	PSB	George Koutsantonis	CHEM103; CHEM1104	CHEM2210
CHEM2221	Biological & Medicinal Chemistry	6	Yes	-	Yes	Yes	Yes	UWA	George Koutsantonis	CHEM1103, CHEM1104-CHEM2210 (waived in Biomedical Sc)	
FNESC2210	Introduction to Forensic Science	6	-	Yes	-	-	-	UWA	Silvana Gaudieri	nil	ANHB1101; SCIE1106
GENE2204	Principles of Genetics	6	Yes	Yes	-	Yes	Yes	PSB	Lawrie Abraham	ANHB1101; SCIE1106	
GENE2230	Molecular Genetics	6	Yes	Yes	-	Yes	Yes	UWA	Elizabeth Quail Daniela Ulgiati	ANHB1101; SCIE1106	SCIE2225
MICR2203	Introductory Immunology	6	Yes	Yes	Yes	-	Yes	UWA	Geoff Stewart	ANHB1101 or SCIE1106	MICR2204
MICR2204	Introductory Microbiology	6	Yes	Yes	Yes	Yes	Yes	UWA	David Sutton	CHEM1103 or CHEM1104; SCIE1106	
MICR2205	General & Applied Microbiology	6	Yes	Yes	-	Yes	-	PSB	David Sutton	MICR2204 (45 or above)	
PHYL2245	Physiology of Cells	6	-	-	-	-	Yes	PSB	Don Robertson	ANHB1101*; CHEM1103* or CHEM1104*	
PHYL2255	Physiology of Human Body Systems	6	Yes	-	Yes	-	Yes	PSB	Tony Bakker	ANHB1101; CHEM1103 or CHEM1104; SCIE1106*	
SCIE2203	Bioinformatics	6	-	Yes	-	Yes	Yes	UWA	Michael Wise	ANHB1101 or SCIE1106	
SCIE2225	Molecular Biology	6	Yes	Yes	Yes	Yes	-	PSB	Robert Tuckey	ANHB1101; CHEM1103; CHEM1104; SCIE1106	
BIOC3353	Molecular & Structural Biochemistry Pt1	6	Yes	-	Yes	Yes	-	UWA	Robert Tuckey Alice Vrieling	BIOC2201; BIOC2202	SCIE2225; 6 pts level 2 Chem unit
BIOC3354	Molecular & Structural Biochemistry Pt2	6	Yes	-	Yes	Yes	-	UWA	Robert Tuckey Alice Vrieling	BIOC2201; BIOC2202	SCIE2225
CHEM3305	Biological Chemistry	6	-	-	Yes	Yes	Yes	UWA/ PSB	Matthew Piggott Scott Stewart	CHEM2210; CHEM2221	
CHEM3306	Modern Organic Synthesis	6	-	-	Yes	-	-	-	Murray Baker	CHEM2210; CHEM2211	
CHEM3307	Metals in Biological Chemistry	6	-	-	Yes	Yes	Yes	UWA	George Koutsantonis	CHEM2210; CHEM2221	
CHEM3312	Chemistry of Drug Design & Discovery	6	-	-	Yes	-	Yes	UWA	Matthew Piggott	CHEM2210; CHEM2211; CHEM2221	
CHEM3319	Analytical Chemistry & Occupational Health & Safety	6	-	-	Yes	-	-	-	Murray Baker	CHEM2210	CHEM2211; CHEM2221
GENE3321	Medical Genetics Pt1	6	-	Yes	-	-	-	UWA	Frank van Bockxmeer Richard Allcock	GENE2230	GENE3331/2
GENE3322	Medical Genetics Pt2	6	-	Yes	-	-	-	UWA	Frank van Bockxmeer Richard Allcock	GENE2230	GENE3331/2
GENE3331	Molecular Genetics & Genomics Pt1	6	Yes	Yes	-	Yes	-	UWA	Daniela Ulgiati Paul Besant	GENE2230	SCIE2225 or BIOC2201; BIOC2202
GENE3332	Molecular Genetics & Genomics Pt2	6	Yes	Yes	-	Yes	-	UWA	Daniela Ulgiati Paul Besant	GENE2230	SCIE2225; or BIOC2201 & BIOC2202
MICR3308	Infection & Immunity Pt1 (Immunology & Infectious Disease)	6	Yes	Yes	-	-	Yes	UWA	Geoff Stewart	MICR2203; MICR2204; MICR2205 (except Pharm Sc)	
MICR3309	Infection & Immunity Pt2 (Immunology & Infectious Disease)	6	Yes	Yes	-	-	Yes	UWA	Geoff Stewart	MICR2203; MICR2204; MICR2205 (except Pharm Sc)	
PHCY3301	Therapeutic Product Formulation	6	-	-	-	-	Yes	UWA	Lee Yong Lim	CHEM2221; CHEM3312; PHYL2255	
PHCY3302	Current Developments in Nutrition, Health & Drug Development	6	-	-	-	-	Yes	UWA	Paul Besant	BIOC2201; CHEM2211; CHEM2210 or CHEM2221	
SCIE3326	Molecular Biology Pt1	6	Yes	Yes	Yes	Yes	-	UWA/ PSB	Thomas Martin	SCIE2225	BIOC2201; BIOC2202; MICR2204; MICR2205
SCIE3327	Molecular Biology Pt2	6	Yes	Yes	Yes	Yes	-	UWA/ PSB	Thomas Martin	SCIE2225	BIOC2201; BIOC2202; MICR2204; MICR2205

\* STUDENTS WITHOUT THESE PREREQUISITES MUST CONSULT THE FACULTY

Note:

- 1) Please always refer to the University Handbook Online (<http://handbooks.uwa.edu.au>)
- 2) All information provided is correct at the time of issue (20 November 2009).
- 3) The University of Western Australia and PSB Academy reserves the rights to amend the prerequisite list when it is deemed necessary.

**Legend**

BIOMS = Biomedical Science  
 BMGEN = Biomedical Genetics  
 CHEMS = Chemistry  
 MBBTC = Molecular Biology & Biotechnology  
 PHARS = Pharmaceutical Science