

Bachelor of Biomedical Science [40097]

Transition Arrangements

The following description outlines the approved transition arrangements for students who commenced in the Bachelor of Biomedical Science [40097] program prior to 2021. If you have any questions regarding these arrangements and their impact on your enrolment please contact your Academic Program Advisor (programadvice@newcastle.edu.au).

The information below should be read in conjunction with your Program Plan.

ADVANCED MEDICAL RESEARCH MAJOR – 2020

| Advanced Medical Research Major – 2020 intake | | | Courses to take in new program | | |
|---|---|-------|--------------------------------|---|-------|
| COMPULSORY COURSES | | | COMPULSORY COURSES | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| HUBS1109 | Anatomy for Biomedical Science | 10 | HUBS1109 | Anatomy for Biomedical Science | 10 |
| HUBS1202 | Human Genomics and Molecular Analysis | 10 | HUBS1202 | Human Genomics and Molecular Analysis | 10 |
| HUBS1405 | Introduction to Professional Skills in Biomedical Science | 10 | HUBS1420 | Terminology and Communication in Biomedicine | 10 |
| HUBS2107 | Mammalian Growth and Development | 10 | HUBS3511 | Human Reproduction and Pregnancy | 10 |
| HUBS2209 | Human Cell Biology and Cancer | 10 | HUBS2209 | Cancer Biology & Oncology | 10 |
| HUBS2407 | Experimental Design and Laboratory Skills in Medical Research | 10 | HUBS2407 | Experimental Design and Laboratory Skills in Medical Research | 10 |
| HUBS2410 | Biomedical Science Communication | 10 | HUBS3204 | Biomedical Research Integrated Learning | 10 |
| HUBS3205 | Human Pharmacology | 10 | HUBS2203 | Introductory Pharmacology | 10 |
| HUBS3302 | Bioinformatics and Functional Genomics | 10 | HUBS3302 | Bioinformatics and Functional Genomics | 10 |
| HUBS3403 | Neuroscience | 10 | HUBS3403 | Neuroscience | 10 |
| HUBS3602 | Human Infection and Immunity 2 | 10 | STAT1070 OR HUBS2505 | Statistics for the Sciences OR Human Pathophysiology | 10 |
| HUBS3412 | Work Integrated Learning in Biomedical Science 1 | 20 | HUBS3412 | Work Integrated Learning in Biomedical Science | 20 |
| DIRECTED COURSE | | 10 | HUBS3602 | Clinical Immunology | 10 |
| DIRECTED COURSE | | 10 | HUBS3414 | Anatomical Pathology | 10 |

ADVANCED MEDICAL RESEARCH MAJOR – 2019

| Advanced Medical Research Major – 2019 intake | | | Courses to take in new program | | |
|---|--|-------|---|---|-------|
| COMPULSORY COURSES | | | COMPULSORY COURSES | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| HUBS3205 | Human Pharmacology | 10 | PHAR2202 OR HUBS2503 | Drug Design & Discovery OR Clinical Exercise Physiology | 10 |
| HUBS3302 | Bioinformatics and Functional Genomics | 10 | HUBS2505 | Human Pathophysiology | 10 |
| HUBS3403 | Neuroscience | 10 | HUBS3403 | Neuroscience | 10 |
| HUBS3602 | Human Infection and Immunity 2 | 10 | HUBS3204 | Biomedical Research Integrated Learning | 10 |
| Directed Courses – Complete HUBS3412 plus 20 units from the remaining courses. | | | Directed Courses – Complete HUBS3412 plus 20 units from the remaining courses. | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| HUBS3412 | Work Integrated Learning in Biomedical Science 1 | 20 | HUBS3412 | Work Integrated Learning in Biomedical Science | 20 |
| COMP1140 | Database and Information Management | 10 | | | |
| | | | HUBS2203 | Pharmacology | 10 |
| HUBS2408 | Clinical Research Design | 10 | HUBS3302 | Bioinformatics and Functional Genomics | 10 |
| | | | HUBS3302 | Bioinformatics and Functional Genomics | 10 |
| HUBS3411 | Frontiers in Chronic Disease | 10 | | | |
| | | | HUBS3414 | Anatomical Pathology | 10 |
| HUBS3512 | Neurobiology of Mental Illness | 10 | | | |
| | | | HUBS3602 | Clinical Immunology | 10 |
| | | | INDH2490 | Foundations of Aboriginal and Torres Strait Islander Health | 10 |
| INFT3100 | Project Management | 10 | | | |
| | | | PHAR4204 | Clinical Leadership in Healthcare | 10 |

MEDICAL / HEALTH PROFESSIONS MAJOR

| Medical/Health Professions Major – pre 2021 | | | Courses to take in new program | | |
|--|--|-------|---|---|-------|
| COMPULSORY COURSES | | | COMPULSORY COURSES | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| HUBS1105 | Musculoskeletal Anatomy | 10 | HUBS1105 | Musculoskeletal Anatomy | 10 |
| HUBS1202 | Human Genomics and Molecular Analysis | 10 | HUBS1202 | Human Genomics and Molecular Analysis | 10 |
| HUBS1420 | Terminology and Communication in Biomedicine | 10 | HUBS1420 | Terminology and Communication in Biomedicine | 10 |
| ABOR2440 | Aboriginal Health Past and Present | 10 | INDH2490 | Foundations of Aboriginal and Torres Strait Islander Health | 10 |
| HUBS2203 | Introductory Pharmacology | 10 | HUBS2203 | Introductory Pharmacology | 10 |
| HUBS2503 | Clinical Exercise Physiology | 10 | HUBS2503 | Clinical Exercise Physiology | 10 |
| HUBS2505 | Human Pathophysiology | 10 | HUBS2505 | Human Pathophysiology | 10 |
| HUBS3511 | Human Reproduction and Pregnancy | 10 | HUBS3511 | Human Reproduction and Pregnancy | 10 |
| HUBS3512 | Neurobiology of Mental Illness | 10 | HUBS3403 | Neuroscience | 10 |
| HUBS3602 | Human Infection & Immunity 2 | 10 | HUBS2209 | Cancer Biology and Oncology | 10 |
| EPID6420 | Fundamentals of Epidemiology | 10 | DIRECTED COURSE | | |
| Directed Courses –complete 40 units from the following directed courses, including 10 units at 1000 level (either PSYC1020 or STAT1070), and 30 units at 2000/3000 level. | | | Directed Courses – complete 40 units from the following directed courses, including 10 units at 1000 level (either PSYC1020 or STAT1070), and 30 units at 2000/3000 level. | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| | | | BIOS6910 | Biostatistics A | 10 |
| | | | EPID6420 | Fundamentals of Epidemiology | 10 |
| PSYC1020 | Psychology Introduction | 10 | PSYC1020 | Psychology Introduction | 10 |
| STAT1070 | Statistics for the Sciences | 10 | STAT1070 | Statistics for the Sciences | 10 |
| HUBS2103 | Neural and Visceral Anatomy | 10 | HUBS2103 | Neural and Visceral Anatomy | 10 |
| HUBS2408 | Clinical Research | 10 | | | |
| HUBS3411 | Frontiers in Chronic Disease | 10 | | | |
| | | | HUBS3204 | Biomedical Research Integrated Learning | 10 |
| | | | HUBS3414 | Anatomical Pathology | 10 |
| | | | HUBS3602 | Clinical Immunology | 10 |
| HUBS2209 | Human Cell Biology and Cancer | 10 | | | |
| HUBS2410 | Biomedical Science Communication | 10 | | | |
| HUBS3412 | Work Integrated Learning in Biomedical Science | 20 | HUBS3412 | Work Integrated Learning in Biomedical Science | 10 |
| | | | INDH2490 | Foundations of Aboriginal and Torres Strait Islander Health | 10 |
| | | | PHAR4204 | Clinical Leadership in Healthcare | 10 |

INDUSTRY / SCIENCE EDUCATION MAJOR

| Industry/Science Education Major – pre 2021 | | | Courses to take in new program | | |
|---|--|-------|---|---|-------|
| COMPULSORY COURSES | | | COMPULSORY COURSES | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| HUBS2209 | Human Cell Biology and Cancer | 10 | HUBS2209 | Cancer Biology and Oncology | 10 |
| HUBS2410 | Biomedical Science Communication | 10 | HUBS2407 | Experimental Design and Laboratory Skills in Medical Research | 10 |
| HUBS3302 | Bioinformatics and Functional Genomics | 10 | HUBS3302 | Bioinformatics and Functional Genomics | 10 |
| Directed Courses | | | Directed Courses | | |
| Directed List A | | | Directed List A | | |
| complete 60 units from the directed list below, and 50 units from the pathway of your choosing. | | | complete 60 units from the directed list below, and 50 units from the pathway of your choosing. | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| COMP1140 | Database and Information Management | 10 | COMP1140 | Database and Information Management | 10 |
| HUBS2408 | Clinical Research Design | 10 | | | |
| HUBS2503 | Clinical Exercise Physiology | 10 | HUBS2503 | Clinical Exercise Physiology | 10 |
| HUBS2505 | Human Pathophysiology | 10 | HUBS2505 | Human Pathophysiology | 10 |
| HUBS3205 | Human Pharmacology | 10 | HUBS2203 | Introductory Pharmacology | 10 |
| | | | HUBS3204 | Biomedical Research Integrated Learning | 10 |
| HUBS3411 | Frontiers in Chronic Disease | 10 | | | |
| | | | HUBS3403 | Neuroscience | 10 |
| HUBS3412 | Work Integrated Learning in Biomedical Science | 20 | HUBS3412 | Work Integrated Learning in Biomedical Science | 20 |
| HUBS3413 | Work Integrated Learning in Biomedical Science 2 | 40 | | | |
| HUBS3602 | Human Infection and Immunity 2 | 10 | HUBS3602 | Clinical Immunology | 10 |
| INFT3100 | Project Management | 10 | | | |
| | | | INDH2490 | Foundations of Aboriginal and Torres Strait Islander Health | 10 |
| Commercialisation/Entrepreneurship pathway | | | Commercialisation/Entrepreneurship pathway | | |
| complete 50 units | | | complete 50 units | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| MNGT1001 | Introduction to Management | 10 | MNGT1001 | Introduction to Management | 10 |
| MNGT1002 | Introduction to Entrepreneurship and Innovation | 10 | MNGT1002 | Introduction to Entrepreneurship and Innovation | 10 |
| STAT1060 | Business Decision Making | 10 | STAT1060 | Business Decision Making | 10 |
| MNGT2002 | Business Venturing | 10 | MNGT2002 | Business Venturing | 10 |
| MNGT3002 | Knowledge Management | 10 | MNGT3002 | Knowledge Management | 10 |

| Science Education Pathway complete 50 units | | | Science Education Pathway complete 50 units | | |
|--|---|-------|--|---|-------|
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| MATH1002 | Foundational Studies in Mathematics | 10 | MATH1002 | Foundational Studies in Mathematics | 10 |
| MATH1110 | Mathematics for Engineering, Science and Technology 1 | 10 | MATH1110 | Mathematics for Engineering, Science and Technology 1 | 10 |
| MATH1800 | Mathematical Modelling | 10 | MATH1800 | Mathematical Modelling | 10 |
| PHYS1200 | Introductory Physics for the Life Sciences | 10 | PHYS1200 | Introductory Physics for the Life Sciences | 10 |
| EDUC2102 | Educational Psychology: Learners and the Learning Process | 10 | EDUC2102 | Educational Psychology: Learners and the Learning Process | 10 |
| PHYS2300 | Climate and Energy | 10 | PHYS2300 | Climate and Energy | 10 |
| ABOR3500 | Aboriginal Education, Policies and Issues | 10 | ABOR3500 | Aboriginal Education, Policies and Issues | 10 |
| General Interest Pathway complete 50 units | | | General Interest Pathway complete 50 units | | |
| Course Code | Course Title | Units | Course Code | Course Title | Units |
| HUBS1109 | Anatomy for Biomedical Science | 10 | HUBS1109 | Anatomy for Biomedical Science | 10 |
| HUBS1202 | Human Genomics and Biomolecular Analysis | 10 | HUBS1202 | Human Genomics and Biomolecular Analysis | 10 |
| HUBS1405 | Introduction to Professional Skills in Biomedical Science | 10 | | | |
| | | | HUBS1420 | Terminology and Communication in Biomedicine | 10 |
| PSYC1010 | Psychology Introduction 1 | 10 | PSYC1010 | Psychology Introduction 1 | 10 |
| STAT1070 | Statistics for the Sciences | 10 | STAT1070 | Statistics for the Sciences | 10 |
| HUBS2103 | Neural and Visceral Anatomy | 10 | HUBS2103 | Neural and Visceral Anatomy | 10 |
| HUBS2107 | Mammalian Growth and Development | 10 | HUBS3511 | Human Reproduction and Pregnancy | 10 |
| | | | HUBS3602 | Clinical Immunology | 10 |
| HUBS2203 | Introductory Pharmacology | 10 | | | |
| EPID6420 | Epidemiology A – Basic Methods | 10 | EPID6420 | Epidemiology A – Basic Methods | 10 |
| | | | HUBS3414 | Anatomical Pathology | 10 |
| | | | BIOS6910 | Biostatistics A | 10 |
| | | | PHAR2202 | Drug Design and Discovery | 10 |