

Bachelor of Science: Majors and Double Majors relevant to the study of Ecology, Conservation Biology, Genetics, Animal and Plant Biology at the ANU

ZOOLOGY	PLANT SCIENCE	EVOLUTION & ECOLOGY	EVOLUTION & ECOLOGY DOUBLE MAJOR	GENETICS	GENETICS DOUBLE MAJOR
<p>Minimum of 42 units must include:</p> <p>BIOL1009 Diversity of Life</p> <p>At least 6 units of: BIOL2103 Vertebrate Physiology BIOL2111 Australian Wildlife BIOL2112 Marine Biology</p> <p>At least 18 units of: BIOL3103 Current Research in Animal Physiology BIOL3115 Entomology BIOL3131 Evolutionary & Behavioural Ecology BIOL3132 Field Studies in Behavioural Ecology BIOL3134 Biodiversity & Systematics BIOL3136 Ecological Research BIOL3138 Special Topics in Ecology, Evolution & Systematics † BIOL3139 Special Topics in Ecology, Evolution & Systematics † BIOL3142 Parasitology BIOL3151 Population Genetics BIOL3116 Marine Ecology</p> <p>At least 12 units of: FSTY3020 Wildlife Research STAT3008 Applied Statistics Any course with BIOL or SCCO prefix Any course with a BIAN prefix</p>	<p>Minimum of 42 units must include:</p> <p>BIOL1009 Diversity of Life</p> <p>At least 6 units of: BIOL2121 Plant Structure & Function BIOL2122 Plant Diversity BIOL2142 General Microbiology SRES2006 Australian Soils & Vegetations FSTY2019 Ecology of Forests & Woodlands</p> <p>At least 18 units of: BIOL3102 Plant-Microbial Interactions BIOL3125 Functional Ecology BIOL3132 Field Studies in Behavioural Ecology BIOL3134 Biodiversity & Systematics BIOL3136 Ecological Research BIOL3138 Special Topics in Ecology, Evolution & Systematics † BIOL3139 Special Topics in Ecology, Evolution & Systematics † BIOL3177 Advances in Molecular Plant Science BIOL3116 Marine Ecology</p> <p>At least 12 units of: SRES3002 Soil Resources SRES3008 Fire in the Australian Environment STAT3008 Applied Statistics Any course with a BIOL or SCCO prefix</p>	<p>Minimum of 42 units must include:</p> <p>BIOL1003 Biology I: Evolution, Ecology & Genetics</p> <p>At least 6 units of: BIOL2131 Population Ecology BIOL2151 Introductory Genetics</p> <p>At least 18 units of: BIOL3102 Plant-Microbial Interactions BIOL3103 Current Research in Animal Physiology BIOL3115 Entomology BIOL3125 Functional Ecology BIOL3131 Evolutionary & Behavioural Ecology BIOL3132 Field Studies in Behavioural Ecology BIOL3134 Biodiversity & Systematics BIOL3136 Ecological Research BIOL3138 Special Topics in Ecology, Evolution & Systematics † BIOL3139 Special Topics in Ecology, Evolution & Systematics †</p> <p>Including at least 6 units of: BIOL3131, BIOL3151 or BIOL3134</p> <p>At least 12 units of: GEOG2015 Introduction to Remote Sensing & GIS GEOG2016 Introduction to Greenhouse GEOG3011 Landscape Ecology GEOG3013 Climate Science GEOG3029 Palaeo-Environmental Reconstruction GEOL2014 History of Environments & Life SRES2004 Fire, Flood & Drought SRES2006 Australian Soils & Vegetation SRES3008 Fire in the Australian Environment FSTY3020 Wildlife Research Any course with BIOL or SCCO prefix Any course with a BIAN prefix</p>	<p>Minimum of 60 units must include:</p> <p>BIOL1003 Biology I: Evolution, Ecology & Genetics BIOL2131 Population Ecology BIOL2151 Introductory Genetics</p> <p>At least 36 units of: BIOL3102 Plant-Microbial Interactions BIOL3103 Current Research in Animal Physiology BIOL3115 Entomology BIOL3125 Functional Ecology BIOL3131 Evolutionary & Behavioural Ecology BIOL3132 Field Studies in Behavioural Ecology BIOL3134 Biodiversity & Systematics BIOL3136 Ecological Research BIOL3138 Special Topics in Ecology, Evolution & Systematics † BIOL3139 Special Topics in Ecology, Evolution & Systematics †</p> <p>Including at least 6 units of: BIOL3131, BIOL3151 or BIOL3134</p> <p>At least 6 units of: GEOG2015 Introduction to Remote Sensing & GIS GEOG2016 Introduction to Greenhouse GEOG3011 Landscape Ecology GEOG3013 Climate Science GEOG3029 Palaeo-Environmental Reconstruction GEOL2014 History of Environments & Life SRES2004 Fire, Flood & Drought SRES2006 Australian Soils & Vegetation SRES3008 Fire in the Australian Environment FSTY3020 Wildlife Research Any course with BIOL or SCCO prefix Any course with a BIAN prefix</p>	<p>Minimum of 42 units must include:</p> <p>At least 6 units of: BIOL1003 Biology I: Evolution, Ecology & Genetics BIOL1004 Biology II: Molecular Biology</p> <p>At least 6 units of: BIOL2151 Introductory Genetics BIOL2152 Advances in Human Genetics BIOL2161 Genes: Replication & Expression BIOL2162 Molecular Biotechnology</p> <p>At least 18 units of: BIOL3131 Evolutionary & Behavioural Ecology BIOL3138 Special Topics in Ecology, Evolution & Systematics † BIOL3139 Special Topics in Ecology, Evolution & Systematics †</p> <p>At least 12 units of: BIOL3174 Research Projects * BIOL3175 Research Projects * BIOL3191 Biotechnology in Context</p>	<p>Minimum of 60 units must include:</p> <p>BIOL1003 Biology I: Evolution, Ecology & Genetics BIOL1004 Biology II: Molecular Biology BIOL2151 Introductory Genetics BIOL2161 Genes: Replication & Expression BIOL3156 Advanced Genetics BIOL3161 Genomics and its Applications</p> <p>At least 24 units of: BIOL3131 Evolutionary & Behavioural Ecology BIOL3138 Special Topics in Ecology, Evolution & Systematics † BIOL3139 Special Topics in Ecology, Evolution & Systematics † BIOL3151 Population Genetics BIOL3152 Bioinformatics BIOL3174 Research Projects * BIOL3175 Research Projects * BIOL3177 Advances in Molecular Plant Science BIOL3181 Current Topics in Development & Molecular Biology ** BIOL3191 Biotechnology in Context STAT3008 Applied Statistics FSTY3052 Forest Conservation & Production Genetics</p>
<p>All students proceeding to majors in Zoology, Plant Science, Evolution & Ecology or Genetics MUST enrol in BIOL1003 Biology 1: Evolution, Ecology & Genetics and BIOL1004: Biology 2: Molecular Biology. BIOL1009 is also useful for all majors.</p>			<p>All students are encouraged to take at least one CHEMISTRY course. Students taking later year BaMBi courses must complete both first year Chemistry courses: CHEM1101 and CHEM1102. Chemistry courses have a school prerequisite. See Handbook for details.</p>		
<p>When planning majors, students should first check the prerequisite requirements for each later-year course.</p>			<p>† Specialised BoZo third year courses available only with permission * Specialised BaMBi third year courses available only with permission ** The prerequisite for BIOL3181 is BIOL3161</p>		
<p>First year students who plan to major in Biology should use Package 2 as a guide to enrolling in their first year courses (see Handbook for details)</p>					

