# B1399 Bachelor of Science (Environmental and Conservation Sciences)
# (Conservation and Wildlife Biology and Marine Biology)

**Academic Chair:** Linda Neaves (CWB) and Essie Rodgers (MB) **Start Date:** Semester 1 2027

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| **Year 1 – 2027** | **Semester 1 Units** | **CP** | **Semester 2 Units** | **CP** |
| | CHE140 Fundamentals of Chemistry | 3pts | BIO152 Cell Biology | 3pts |
| | BIO103 Environmental Biology | 3pts | ENV102 Foundations of the Environment | 3pts |
| | **MAS164 or Part I General Elective | 3pts | MAS183 Statistical Data Analysis | 3pts |
| | BIO180 Introduction to Marine Biology | 3pts | Discovery Unit | 3pts |
| | **Winter Units** | **CP** | **Summer Units** | **CP** |
| | | | | |
| | **Total** | 12pts | **Total** | 12pts |
| **Year 2 - 2028** | **Semester 1 Units** | **CP** | **Semester 2 Units** | **CP** |
| | BIO245 Plant Evolution, Radiation & Adaptation | 3pts | BIO244 Animal Diversity | 3pts |
| | Part II General Elective *or* *CWB Specified Elective (see below) | 3pts | BIO257 Australian Biodiversity | 3pts |
| | BIO254 Marine Botany | 3pts | ENV241 Ecology | 3pts |
| | Part II General Elective | 3pts | Part II General Elective *or* *CWB Specified Elective (see below) | 3pts |
| | **Winter Units** | **CP** | **Summer Units** | **CP** |
| | | | **ENV201 Liveaboard Oceanography | |
| | **Total** | 12pts | **Total** | 12pts |
| **Year 3 - 2029** | **Semester 1 Units** | **CP** | **Semester 2 Units** | **CP** |
| | BIO375 Conservation Biology | 3pts | BIO376 Wildlife Biology | 3pts |
| | Part II General Elective *or* *CWB Specified Elective (see below) | 3pts | ENV301 Oceanography and Marine Pollution | 3pts |
| | BIO356 Genetics and Evolution | 3pts | BIO303 Marine Wildlife Populations & Management | 3pts |
| | BIO377 Marine Ecology | 3pts | **BIO380 Aquaculture or **ENV331 Environmental Management | 3pts |
| | **Winter Units** | **CP** | **Summer Units** | **CP** |
| | **BIO393 Tropical Marine Biology | | | |
| | **Total** | 12pts | **Total** | 12pts |

**TOTAL CREDIT POINTS 72**

**Conservation and Wildlife Biology major notes:**

**Discovery Unit** 3 credit points. Discovery unit – you need to complete one discovery unit, we recommend you do this in your first year of study. See the Murdoch University handbook (B1399) for a list of discovery units available for the BSc Environmental and Conservation Sciences.

**Course Core** 15 Credit points (Note-Students who achieved a final scaled score of 50 percent or more in Chemistry ATAR within the past three years should seek an exemption for CHE140 Fundamentals of Chemistry).

**CWB Major Core** 24 Credit points. The Conservation and Wildlife Biology major includes 21 Credit points of **Core** units and 3 Credit points from a ***CWB Specified Elective** - one of the following: ECS200- Research Methods in Ecology (S1); ENV278-Nature Based Tourism (S1) **or** ENV328-Environmental Policy and Law (S2).

**MB Major Core** 24 Credit points. The Marine Biology major includes 18 Credit points of **Core** units and 6 Credit points from a ****Marine Biology Specified Elective** - two of the following: ECS200 – Research Methods in Ecology (S1); BIO380 – Aquaculture (S2); ENV331 – Environmental Management (S2); BIO393 – Tropical Marine Biology (Winter term); ENV201 Liveaboard Oceanography (Summer term).

**General Electives** 30 Credit points. Part I General Electives can be selected from any 100 level unit; Part II General Electives can be selected from any 200-300 level units (subject to unit pre-requisites). Students may consider using General Electives to meet the requirements of a second major, co-major or minor/s. This could include one additional Major or Co-Major or up to two Minors. It could also include one additional Major plus one cognate Minor. For further advice, please contact your Academic Chair.

**MAS164 is not required for your course, but is strongly recommended as a General Elective in your first semester if you have not completed ATAR level maths (e.g. Maths Applications).

**Please note:** This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the Handbook. Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 16/11/2026.