

PROGRAM ENROLMENT CHECKLIST (PEC)
Are you on track?

BACHELOR OF ENVIRONMENTAL SCIENCE and MANAGEMENT
Students who commenced 2008-2010 Program

Program Code: 11587

CRICOS Code: 059877D

1000 Level	2000 Level	3000 Level	To Complete the Program
<p>APPROVED Courses made up of</p> <p>60 Units of CORE Courses</p> <p>BIOL1002 (10 units) EMGT1020 (10 units) (Not to count with ENVS1004) ENVS1020 (10 units) (Not to count with ENVS1003) ENVS1060 (10 units) (Not to count with ENVS1001) GEOS1040 (10 units) STAT1070 (10 units)</p> <p align="center"><i>plus</i></p> <p>A 10 Unit COMPULSORY Course from the major you have chosen to do:</p> <p>Living Systems BIOL 1003 Physical Systems GEOS 1050 Social Systems GEOG 1020 _____ (10 units)</p> <p>ELECTIVE Courses _____ _____ _____ (10 units)</p>	<p>APPROVED Courses made up of</p> <p>40 Units of CORE Courses</p> <p>BIOL2070 (10 units) (Not to count with ENVS2004) ENVS2010 (10 units) (Not to count with ENVS2002) ENVS2040 (10 units) (Not to count with ENVS2001) GEOS2161 (10 units)</p> <p align="center"><i>plus</i></p> <p>DIRECTED Courses in your Major: 30 units of Living Systems courses or 20 units of Physical Systems courses or 30 units of Social Systems courses</p> <p>_____ _____ _____ (10 units) _____ _____ _____ (10 units) _____ _____ _____ (10 units)</p> <p>ELECTIVE Courses _____ _____ _____ (10 units)</p>	<p>APPROVED Courses made up of</p> <p>20 Units of CORE Course</p> <p>EMGT3110 (10 units) (Not to count with ENVS3001) ENVS3020 (10 units) (Not to count with ENVS3002)</p> <p align="center"><i>plus</i></p> <p>40 Units of DIRECTED Courses in your Major:</p> <p>_____ _____ _____ _____ _____ (10 units) _____ _____ _____ _____ (10 units)</p> <p>ELECTIVE Courses _____ _____ _____ (10 units)</p>	<p>Total of 240 Units:</p> <p>60 units of CORE courses at 1000 level <input type="checkbox"/></p> <p>40 units of CORE courses at 2000 level. <input type="checkbox"/></p> <p>20 units of CORE courses at 3000 level. <input type="checkbox"/></p> <p>10 unit COMPULSORY Major course at 1000 level. <input type="checkbox"/></p> <p>20/30 units of DIRECTED Major courses at 2000 level. <input type="checkbox"/></p> <p>40 units of DIRECTED Major courses at 3000 level. <input type="checkbox"/></p> <p>Maximum of 100 units at 1000 level. <input type="checkbox"/></p> <p>Minimum of 60 units at 3000 level. <input type="checkbox"/></p> <p>Electives to make up 240 units. (40 units for Living Systems and Social Systems Majors, or 50 units for Physical Systems Major) <input type="checkbox"/></p>
<p>Minimum to meet Core & Directed requirements. Maximum of 100 Units</p>	<p>No minimum or maximum other than Core & Directed requirements.</p>	<p>Minimum 60 units. No maximum number of units.</p>	<p>It is a student's responsibility to check that they are correctly enrolled.</p>

NOTES:

- The Program Handbook is the official document listing all the rules you need to meet, plus courses required or available in the program <http://www.newcastle.edu.au/program/10587.html>
- A load of 80 units per year for 3 years is the standard full-time load.
- There are minimum and maximum requirements for totals of APPROVED (core, or directed) and ELECTIVE courses. Please ensure the conditions in the right-hand column are met.
- An ELECTIVE course can be any unrestricted offering at the University, including any additional courses from those listed in the B Environmental Science and Management.



YOUR PROGRAM

BACHELOR OF ENVIRONMENTAL SCIENCE and MANAGEMENT
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Living Systems Major	Physical Systems Major	Social Systems Major
Complete the following Compulsory course BIOL1003 Professional Skills in Biological Sciences 1	Complete the following Compulsory course GEOS1050 Earth Processes and Products	Complete the following Compulsory course GEOG1020 Introduction to Human Geography
Complete the following Compulsory course BIOL2070 Ecology	Complete the following Compulsory courses GEOS2080 Earth Science Field Course GEOS2161 GIS and Remote Sensing	Complete the following Compulsory course BIOL2070 Ecology
Choose 30 units from 2000 level Directed courses (min.) BIOL2001 Molecular Laboratory Skills for Biological Sciences BIOL2002 Laboratory Skills in Biological Systems BIOL2010 Biochemistry BIOL2020 Animal Physiology and Development BIOL2050 Molecular Genetics BIOL2090 Microbial Biology BIOL2220 Plant Cell Development CHEM2110 Analytical Chemistry CHEM2610 Environmental Chemistry I EMGT2040 Ecology and Management of Australian Flora (Not with ENV52005) EMGT2050 Australian Fauna (Not with ENV52006) MARI2300 Marine Biology (Ourimbah only) MARI2320 Marine Ecology (Ourimbah only) MARI2330 Marine and Coastal Floral Ecology (Ourimbah only) SRMT2040 Sustainable Resource Management: Biodiversity (Ourimbah only) (Not with ENV52006)	Choose 20 units from 2000 level Directed courses (min.) CHEM2110 Analytical Chemistry CHEM2610 Environmental Chemistry I GEOS2050 River Basin Processes GEOS2070 Climatology and Soils GEOS2170 Optical Mineralogy and Igneous Petrology GEOS2190 Structural and Field Geology GEOS2200 Earth's Sedimentary Rocks and Environments SRMT2020 Sustainable Resource Management: Land Systems (Ourimbah only) SRMT2030 Sustainable Resource Management: Water (Ourimbah only)	Choose 30 units from 2000 level Directed courses (min.) EMGT2020 The Sustainable Society (Not with ENV52008) GEOG2080 Cities and Regions GEOG2130 Geographies of Development SOCS2400 Applied Social Research
Choose 40 units from 3000 level Directed courses (min.) BIOL3020 Reproductive Physiology and Development BIOL3100 Microbiology BIOL3330 Plant Development and Physiology ENVS3004 Ecotoxicology (Not with BIOL3350) ENVS3005 Animal Behaviour CHEM3110 Instrumental Chemical Analysis CHEM3610 Environmental Chemistry II EMGT3030 Conservation Biology (Not with ENV53003) EMGT3100 Environmental Remediation (Not with ENV53007) GEOS3250 Geographic Information Systems MARI3300 Estuarine Ecology (Ourimbah only) MARI3320 Ecological Methodology Ourimbah only) MARI3330 Marine Fish & Fisheries (Ourimbah only) MARI3400 Marine Science Project(Ourimbah only) SRMT3050 Sustainable Land Mngt (Ourimbah only) SRMT3060 Restoration Ecology(Ourimbah only)	Choose 40 units from 3000 level Directed courses (min.) CHEM3110 Instrumental Chemical Analysis CHEM3610 Environmental Chemistry II EMGT3100 Environmental Remediation (Not with ENV53007) ENVS3205 Climate Change and Resource Management GEOS3110 Igneous Petrology & Crustal Evolution GEOS3150 Basin Analysis GEOS3160 Geology of Fuels GEOS3220 Coastal Dynamics, Evolution and Protection GEOS3221 Environmental Geology GEOS3250 Geographic Information Systems GEOS3260 Field Course in Carbonate Environments GEOS3280 Global Change GEOS3320 Advanced Field Course in Earth Sciences (Not with GEOS3010) GEOS3330 Metamorphic and Field Geology	Choose 40 units from 3000 level Directed courses (min.) ECON3320 Environmental Economics EMGT3070 Advanced Studies in Sustainability (Not with ENV53006) GEOG3090 Society and Space GEOG3240 Globalisation: Cities, Economies GEOG3300 Rethinking Development PHIL3910 Technology and Human Values SOCA3060 Environment and Society SOCS3100 Policy Development , Program Management and Evaluation SRMT3020 Planning for Sustainability (Ourimbah only) (Not with ENV53001) SRMT3040 Community Resource Management (Ourimbah only) TOUR3000 Leisure Tourism and Environmental Issues (Not with LEIS3130)