

PROGRAM ENROLMENT CHECKLIST (PEC)
Are you on track?
BACHELOR OF ENVIRONMENTAL SCIENCE and MANAGEMENT
2011 - 2012 Program

Program Code: 11587

CRICOS Code: 059877D

1000 Level	2000 Level	3000 Level	To Complete the Program
APPROVED Courses made up of	APPROVED Courses made up of	APPROVED Courses made up of	Total of 240 Units:
<p>40 units of CORE Courses ENVS1001 (10 units) (Not to count with ENVS1060) BIOL1002 OR BIOL1050 (10 units) ENVS1003 (10 units) STAT1070 (10 units)</p> <p style="text-align: center;">plus</p> <p style="background-color: #e1f5fe;"> 10 units of DIRECTED Courses Please read handbook for direction MATH1001 (10 units) MATH1110 (10 units) PHYS1150 (10 units)</p> <p style="text-align: center;">plus</p> <div style="border: 1px dashed black; background-color: #e2efda; padding: 5px;"> <p>Directed Courses in your Major: 10 units of Ecosystems & Biodiversity courses Or 10 units of Marine Science courses Or 10 units of Sustainability courses Or 20 units of Earth Systems courses</p> <p>_____ (10 units) _____ (10 units)</p> </div> <p style="text-align: center;">plus</p> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #fff9c4;"> <p style="text-align: center;">ELECTIVE Courses</p> <p>_____ (10 units) _____ (10 units)</p> </div>	<p>30 units of CORE Courses ENVS2001 (10 units) (Not to count with ENVS2040) ENVS2002 (10 units) (Not to count with ENVS2010) GEOS2161 (10 units)</p> <p style="text-align: center;">plus</p> <div style="border: 1px dashed black; background-color: #e2efda; padding: 5px;"> <p>30 units of MAJOR Courses from the major you have chosen to do:</p> <p>_____ (10 units) _____ (10 units) _____ (10 units)</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #fff9c4; margin-top: 20px;"> <p style="text-align: center;">ELECTIVE Courses</p> <p>_____ (10 units) _____ (10 units)</p> </div>	<p>20 units of CORE Course ENVS3001 (10 units) (Not to count with EMGT3110 or SRMT3020) ENVS3002 (10 units) (Not to count with ENVS3020)</p> <p style="text-align: center;">plus</p> <div style="border: 1px dashed black; background-color: #e2efda; padding: 5px;"> <p>40 units of MAJOR Courses from the major you have chosen to do:</p> <p>_____ (10 units) _____ (10 units) _____ (10 units) _____ (10 units)</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #fff9c4; margin-top: 20px;"> <p style="text-align: center;">ELECTIVE Courses</p> <p>_____ (10 units) _____ (10 units)</p> </div>	<p>40 units of CORE courses at 1000 level <input type="checkbox"/></p> <p>30 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 units of DIRECTED courses at 1000 level (MATH/PHYS) <input type="checkbox"/></p> <p>10/20 units MAJOR course at 1000 level depending on major. <input type="checkbox"/></p> <p>30 units of MAJOR courses at 2000 level. <input type="checkbox"/></p> <p>40 units of 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. (60 units of Electives for Ecosystems & Biodiversity Major, Marine Science Major and Sustainability Major or 50 units for Earth Systems Major) <input type="checkbox"/></p>
Minimum to meet Core & Directed requirements. Maximum of 100 Units	No minimum or maximum other than Core & Directed requirements.	Minimum 60 units. No maximum number of units.	It is a student's responsibility to check that they are correctly enrolled.

- 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/11587.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

2011 - 2012 Program

Earth Systems Major 90 units	Sem	Ecosystems & Biodiversity Major 90 units	Sem	Marine Science Major 90 units	Sem	Sustainability Major	Sem
20 units from 1000 level Directed courses CHEM1010 Introductory Chemistry I CHEM1020 Introductory Chemistry II GEOS1040 Earth's Dynamic Systems GEOS1050 Earth Processes and Products Students choose either CHEM1010 & CHEM1020 or GEOS1040 & GEOS1050	1 2 1 2	20 units from 1000 level Directed courses BIOL1002 Organisms to Ecosystems (Not with BIOL1050) BIOL1003 Professional Skills for Biological Sciences 1 BIOL1040 Introduction to Biology I (Not with BIOL1001) BIOL1050 Introduction to Biology II (Not with BIOL1002) CHEM1010 Introductory Chemistry I CHEM1020 Introductory Chemistry II GEOS1040 Earth's Dynamic Systems	2 2 1 (CC) 2 (CC) 1 2 1	20 units from 1000 level Directed courses BIOL1040 Introduction to Biology I (Not with BIOL1001) BIOL1050 Introduction to Biology II (Not with BIOL1002)	1 (CC) 2 (CC)	20 units from 1000 level Directed courses BIOL1040 Introduction to Biology I (Not with BIOL1001) BIOL1050 Introduction to Biology II (Not with BIOL1002) ENVS1004 Social Development & the Environment (Not with EMGT1020 or SRMT1020) GEOG1020 Introduction to Human Geography	1 (CC) 2 (CC) 1 2
30 units from 2000 level Directed courses CHEM2110 Analytical Chemistry CHEM2610 Environmental Chemistry I ENVS2009 Catchments & Water Supply GEOS2050 River Basin Processes GEOS2070 Climatology and Soils GEOS2080 Earth Science Field Course	2 1 2 2 1 1	30 units from 2000 level Directed courses BIOL2090 Microbial Biology CHEM2110 Analytical Chemistry CHEM2610 Environmental Chemistry I ENVS2004 Ecology (Not with BIOL2070) ENVS2005 Ecology & Management of Australian Flora (Not with EMGT2040) ENVS2006 Ecology & Management of Australian Fauna (Not with EMGT2050 or SRMT2040) ENVS2009 Catchments & Water Supply	2 2 1 1 1 1	30 units from 2000 level Directed courses ENVS2004 Ecology (Not with BIOL2070) MARI2300 Marine Biology (Available Ourimbah only) MARI2320 Marine Ecology (Available Ourimbah only)	1 (CC) 2 (CC)	30 units from 2000 level Directed courses ENVS2004 Ecology (Not with BIOL2070) ENVS2006 Ecology & Management of Australian Flora (Not with EMGT2050 or SRMT2040) ENVS2008 The Sustainable Society (Not with EMGT2020 or SRMT1020) GEOG2080 Cities and Regions GEOG2130 Geographies of Development SOCS2400 Applied Social Research ENVS2009 Catchments & Water Supply	1 2 2 both 1 2
40 units from 3000 level Directed courses CHEM3110 Instrumental Chemical Analysis ENVS3007 Environmental Remediation (Not with EMGT3100) ENVS3008 Project Management & Placement ENVS3009 Catchment Management ENVS3205 Climate Change and Resource Management GEOS3250 Geographic Information Systems GEOS3280 Global Change ENVS3004 Ecotoxicology (Not with BIOL3350)	1 1 1 2 1 1 1	40 units from 3000 level Directed courses BIOL3100 Microbiology CHEM3110 Instrumental Chemical Analysis ENVS3003 Conservation Biology (Not with EMGT3030) ENVS3004 Ecotoxicology (Not with BIOL3350) ENVS3005 Animal Behaviour ENVS3008 Project Management & Placement (Not with EMGT3130) ENVS3009 Catchment Management	1 1 1 1 1 1	40 units from 3000 level Directed courses ENVS3008 Project Management & Placement (Not with EMGT3130) MARI3300 Estuarine Ecology (Available Ourimbah only) MARI3320 Ecological Methodology (Available Ourimbah only) MARI3330 Marine Fish & Fisheries (Available Ourimbah only) MARI3400 Marine Science Project (Available Ourimbah only) MARI3410 Coral Reef Biology & Ecology (Available Ourimbah only)	2 (CC) 1 (CC) 1 (CC) 2 (CC) 2 (CC)	40 units from 3000 level Directed courses ENVS3003 Conservation Biology (Not with EMGT3030) ENVS3006 Advanced Studies in Sustainability (Not with EMGT3070) ENVS3008 Project Management & Placement (Not with EMGT3130) ENVS3205 Climate Change and Resource Management GEOG3090 Society and Space GEOG3240 Globalisation: Cities, Economies MARI3320 Ecological Methodology (Available Ourimbah only) SRMT3040 Community Resource Management (Available Ourimbah only) SRMT3050 Sustainable Land Management (Available Ourimbah only) SRMT3060 Restoration Ecology (Available Ourimbah only)	1 1 2 2 1 2 1 (CC) 2 (CC) 1 (CC) 2 (CC)

CC = Central Coast; Both = Offered both Callaghan and Central Coast