Bachelor of Environmental Science (with specialisations)

includes:

Bachelor of Environmental Science (with specialisations)

The course includes the following awards:

Bachelor of Environmental Science (Catchment Management) BEnvSc(CatchMgt)
Bachelor of Environmental Science (Ecological Conservation) BEnvSc(EcolCons)
Bachelor of Environmental Science (Land and Water) BEnvSc(Land&Water)
Bachelor of Environmental Science (Landscape Analysis) BEnvSc(LandscapeAnlys)

Course Study Modes and Locations

Bachelor of Environmental Science (4428ES)

Distance Education - Albury-Wodonga

Availability is subject to change, please verify prior to enrolment.

Normal course duration

Bachelor of Environmental Science (with specialisations)

Full-time 3.0 years (6.0 sessions)
Part-time 6.0 years (12.0 sessions)

Normal course duration is the effective period of time taken to complete a course when studied Full-time (Full-time Equivalent: FTE). Students are advised to consult the Enrolment Pattern for the actual length of study. Not all courses are offered in Full-time mode.

Admission criteria
CSU Admission Policy

Applicants are normally expected to hold the NSW HSC or recognised equivalent. Admission will be based upon UAI score. Applicants who do not hold the HSC or recognised equivalent need to meet the minimum requirements for 'other' admission as set by the University. As admission quotas apply, applications must be ranked. For ranking purposes, applications are assessed on a combination of work or industry experience, evidence of academic ability (studies undertaken) and where applicable, demonstrated skills or proficiency as required for the course for which admission is being sought.

Credit

CSU Credit Policy

No special arrangements apply

Graduation requirements

To graduate students must satisfactorily complete 192 points.

Course Structure

The course is of 192 points duration: comprising 88 points of core subjects and a specialisation sequence of 104 points.

Core subjects (88 points)

BIO112  Principles of Ecology
BIO262  Vegetation Ecology
BIO323  River and Floodplain Ecology
ENM101  People and the Environment
ENM109  Introduction to Professional Practice
ENM163  Natural Resource Management
ENM309  Managing Resources and Projects
GEO164  Earth System Processes
GEO360  Community Engagement and Capacity Building
SCI103  Communicating Environmental Data
SPA215  Principles of GIS

Specialisation subjects (104 points)

Ecological Conservation Specialisation
Provides knowledge and skills in conservation of the environment

BIO203  Animal Diversity
BIO216 Conservation Biology  
BIO263 Methods for Environmental Data Analysis  
BIO312 Landscape Ecology  
BIO326 Vegetation and Disturbance Management (16 points)  
BIO327 Wildlife Ecology and Management (16 points)  
BIO328 Restoration Ecology  
ENM422 Environmental Impact Assessment and Auditing  
GEO204 Ecological and Environmental Soil Science  
GEO303 Climatology  
SPA308 GIS Applications  

Land and Water Specialisation  
Provides knowledge and skills in managing our biophysical resources  

BIO216 Conservation Biology  
BIO263 Methods for Environmental Data Analysis  
BIO312 Landscape Ecology  
BIO402 River Restoration and Protection  
GEO204 Ecological and Environmental Soil Science  
GEO303 Climatology  
GEO305 Groundwater Hydrology and Mgt  
GEO314 River Hydrology and Geomorphology  
PSC420 Water Policy and Management  
ENM308 The Challenge of Sustainable Development  
SPA217 Remote Sensing of the Environment  
SPA313 Advanced GIS Modelling  
SPA308 GIS Applications  

Catchment Management Specialisation  
Provides knowledge and skills in managing our natural resources in rural environments  

AGB165 Agribusiness Systems  
AGR237 Property Planning  
BIO326 Vegetation and Disturbance Management (16 points)  
GEO303 Climatology  
GEO305 Groundwater Hydrology and Management  
GEO314 River Hydrology and Geomorphology  
PSC104 Soil Science  
PSC420 Water Policy and Management  
ENM308 The Challenge of Sustainable Development  
SOC226 Rural Sociology  
SOC308 Community Analysis  
SPA217 Remote Sensing of the Environment
Landscape Analysis and Management Specialisation
Provides knowledge and skills in managing landscapes and the impact of extractive industries

**BIO263** Methods for Environmental Data Analysis
**BIO312** Landscape Ecology
**ENM415** Environmental Management of Mine Sites and Contaminated Lands
**ENM422** Environmental Impact Assessment and Auditing
**GEO204** Ecological and Environmental Soil Science
**GEO303** Climatology
**GEO305** Groundwater Hydrology and Management
**GEO314** River Hydrology and Geomorphology
**SPA217** Remote Sensing of the Environment
**SPA308** GIS Applications
**SPA405** Image Analysis
**SPA412** Integrated GIS/Remote Sensing
**SPA414** Critical Review of GIS

**Enrolment Pattern**

Normally six years by Part-time Distance Education. Note students may be able to decrease the length of time it takes to do the degree by taking some of the limited number of subjects that are available in Session 3 (90) or increasing their load.

Common Part-time Distance Pattern For First Year - by Part-time Distance Education Study
Year 1
Session 1 (30)
**SCI103** Communicating Environmental Data
**ENM109** Introduction to Professional Practice

Session 2 (60)
**BIO112** Principles of Ecology
**GEO164** Earth System Processes

Remaining Pattern for Ecological Conservation Specialisation

Year 2
Session 1 (30)
**ENM101** People and the Environment
**BIO263** Methods for Environmental Data Analysis

Session 2 (60)
**ENM163** Natural Resource Management
**BIO262** Vegetation Ecology
Session 3 (90)- It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 3
Session 1 (30)
SPA215  Principles of GIS  
BIO203  Animal Diversity

Session 2 (60)
SPA308  GIS Applications  
GEO360  Community Engagement and Capacity Building

Session 3 (90) - It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 4
Session 1 (30)
GEO204  Ecological and Environmental Soil Science  
BIO216  Conservation Biology

Session 2 (60)
BIO327  Wildlife Ecology and Management (16 Points)

Session 3 (90) - It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 5
Session 1 (30)
BIO326  Vegetation and Disturbance Management (16 points)

Session 2 (60)
BIO328  Restoration Ecology  
GEO303  Climatology

Session 3 (90) - It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 6
Session 1 (30)
BIO323  River and Floodplain Ecology  
BIO312  Landscape Ecology

Session 2 (60)
ENM309  Managing Projects and Resources
ENM422 Environmental Impact Assessment and Auditing

Remaining Pattern for Land and Water Specialisation

Year 2
Session 1 (30)
ENM101 People and the Environment
BIO263 Methods for Environmental Data Analysis

Session 2 (60)
ENM163 Natural Resource Management
BIO262 Vegetation Ecology

Session 3 (90) - It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 3
Session 1 (30)
SPA215 Principles of GIS
BIO216 Conservation Biology

Session 2 (60)
SPA308 GIS Applications
GEO360 Community Engagement and Capacity Building

Session 3 (90) - It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 4
Session 1 (30)
GEO204 Ecological and Environmental Soil Science
SPA217 Remote Sensing of the Environment

Session 2 (60)
SPA313 Advanced GIS modelling
GEO303 Climatology

Session 3 (90) - It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 5
Session 1 (30)
GEO314 River Hydrology & Geomorphology
BIO323  River and Floodplain Ecology

Session 2 (60)
PSC420  Water Policy and Management
GEO305  Groundwater Hydrology and Management

Session 3 (90) - It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 6
Session 1 (30)
BIO312  Landscape Ecology
ENM308  The Challenge of Sustainable Development

Session 2 (60)
ENM309  Managing Projects and Resources
BIO402  River Restoration and Protection

Remaining Pattern for Catchment Management Specialisation

Year 2
Session 1 (30)
ENM101  People and the Environment
AGB165  Agribusiness Systems

Session 2 (60)
ENM163  Natural Resource Management
PSC104  Soil Science

Session 3 (90) It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 3
Session 1 (30)
SPA215  Principles of GIS
SPA217  Remote Sensing of the Environment

Session 2 (60)
BIO262  Vegetation Ecology
SOC226  Rural Sociology

Session 3 (90) - It is optional for students to undertake studies in this semester. The Students should look at subject availability list for specific details
Year 4
Session 1 (30)
- AGR237 Property Planning
- GEO314 River Hydrology and Geomorphology

Session 2 (60)
- GEO360 Community Engagement and Capacity Building
- GEO305 Groundwater Hydrology and Management

Session 3 (90) It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 5
Session 1 (30)
- BIO326 Vegetation and Disturbance Management (16 points)

Session 2 (60)
- GEO303 Climatology
- SOC308 Community Analysis

Session 3 (90) It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 6
Session 1 (30)
- BIO323 River and Floodplain Ecology
- ENM308 The Challenge of Sustainable Development

Session 2 (60)
- ENM309 Managing Projects and Resources
- PSC420 Water Policy and Management

Remaining Pattern for Landscape Analysis and Management Specialisation - by Part-time Distance Education

Year 2
Session 1 (30)
- ENM101 People and the Environment
- BIO263 Methods of Ecosystem Analysis

Session 2 (60)
- ENM163 Natural Resource Management
- BIO262 Vegetation Ecology
Session 3 (90) It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 3
Session 1 (30)
SPA215  Principles of GIS
GEO204  Ecological and Environmental Soil Science

Session 2 (60)
SPA308  GIS Applications
GEO303  Climatology

Session 3 (90) It is optional for students to undertake studies in this semester. The Students should look at subject availability list for specific details

Year 4
Session 1 (30)
SPA217  Remote Sensing of the Environment
GEO314  River Hydrology and Geomorphology

Session 2 (60)
SPA405  Image Analysis
GEO305  Groundwater Hydrology and Management

Session 3 (90) It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 5
Session 1 (30)
SPA414  Critical Review of GIS
BIO312  Landscape Ecology

Session 2 (60)
GEO360  Community Engagement and Capacity Building
SPA412  Integrated GIS/Remote Sensing

Session 3 (90) It is optional for students to undertake studies in this semester. Students should look at subject availability list for specific details

Year 6
Session 1 (30)
BIO323  River and Floodplain Ecology
ENM415  Environmental Management of Mine Sites and Contaminated Lands
Session 2 (60)

**ENM309** Managing Projects and Resources
**ENM422** Environmental Impact Assessment & Auditing

**Residential School**

Please note that the following subjects may have a residential school component.

- BIO203 Animal Diversity
- BIO262 Vegetation Ecology
- BIO323 River and Floodplain Ecology
- BIO326 Vegetation and Disturbance Management
- BIO327 Wildlife Ecology and Management
- BIO402 River Restoration and Protection
- ENM101 People and the Environment
- PSC104 Soil Science
- PSC420 Water Policy and Management

Enrolled students can find further information about CSU residential schools via the [About Residential School](#) page.

**Contact**

**Current Students**

For any enquiries about subject selection or course structure you will need to contact your Course Director. You can find the name and contact details for your Course Director in your offer letter or contact your School office.

**Prospective Students**

For further information about Charles Sturt University, or this course offering, please contact info.csu on 1800 334 733 (free call within Australia) or [enquire online](#).

*The information contained in the 2017 CSU Handbook was accurate at the date of publication: May 2017. The University reserves the right to vary the information at any time without notice.*