

# 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)

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

## Workplace learning

Please note that the following subjects may contain a Workplace Learning component.

ENM109 Introduction to Professional Practice

## 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

For further information about Charles Sturt University, or this course offering, please contact info.csu on 1800 334 733 (free call within Australia) or email [inquiry@csu.edu.au](mailto:inquiry@csu.edu.au)

*The information contained in the 2016 CSU Handbook was accurate at the date of publication: October 2015. The University reserves the right to vary the information at any time without notice.*

[Back](#)