

TropEco Interns – Townsville Campus Projects

(as at June 2020)

Area	Project	Description	Positions available	Expertise level	Hours available per position
Biodiversity/ Environment (projects for June 2020 – Dec. 2021)	Native vegetation rehabilitation	Clearing weeds, collecting seed and cuttings, repairing soil, selecting the best plants for the site through a range of features and traits, planting out sites, installing fauna habitats, monitoring establishment and maintaining the sites. This project aims to expand on what you have learnt about habitat restoration, as well as allow you to implement these teachings in a real world setting to better equip you for both design or field work after you leave JCU, including expanding your understanding of ecological fire management, planning for key species and climate designed restoration.	Up to 7	Low	10 – 100
	Flora mapping	This project involves the mapping of hundreds of trees, divided into various categories, as well as mapping our campus hollows. The project aims to increase JCU's ecological management and sustainability, to better guide development and operational schemes.	2 - 6	Medium	50 - 100
	Greenhouse and Poly-house operations	This project involves working in a commercial grade nursery with over 500 species, including endangered and never before cultivated species. Students will work in all levels, from on ground operations such as weeding and repotting to assisting in low level management, such as biological controls and material allocation.	Up to 6	Low	10 – 100
	Biome trail establishment	This project is aimed to create a world botanic tour on campus, as well as better develop our famous hills walking trail. The project involved planting, establishing and mapping over 100 species from 6 continents, to create an interactive walk experience on the JCU campus.	2 - 6	Low	10 – 100
	Ecological Landscape Renewal	This placement is required to assist with landscape repair and design, with the goal of making more sustainable landscaped areas on campus, holding a merge between sustainability, landscape appeal and ecological practices. These include creating more fauna friendly gardens such as bee gardens or skink gardens, increasing the compatibility of nature corridors with our target fauna and decreasing water consumption.	Up to 8	Low	10 – 100
	General placement	Field based ecology focused around natural rehabilitation using a wide range of target species, sustainable landscaping, propagation of Australian native flora, identification of flora, fauna camera trapping, greenhouse operations and more.....	2	Medium	30 - 100
	Germination research and Myrtle Rust initiative	This project involves processing poorly known or un-successfully propagated flora for germination and propagation trials. The specimen are predominantly collected from national parks under our research permit, and are given a range of potential stimulants to trigger a germination. The triggers and timeframes are recorded for further use, then the excess plants donated to our partner groups or used in our landscaping to create teaching or ex-situ conservation gardens. Please note that students are not taken into the field as part of this project due to sensitivity and JCU policy.	2	High	30 - 100
	Bare-Rumped Sheathtail Bat Recovery	This project aims to focus on a key species approach to rehabilitation to create a more suitable habitat for our endangered native bat, and improve known sites with both natural and artificial habitat modifications.	1	Medium	10 – 100
Transport	Bike workshop volunteer	Get experience working with our bike mechanics on general bike servicing and preparation of Green Bike Fleet bikes.	2	Low	10 - 100
	Transport audits	Help JCU understand transport mode usage by doing physical counts of cyclists and pedestrians on campus and collate the data for reporting to TropEco.	1	Low	Up to 10
	Transport survey analysis	JCU undertakes an annual transport survey but we need help to analyse what it means. If you love to analyse data and are interested in transport this is the internship for you.	1	Medium	10 - 50
	Organise Ride to Uni day	For the bicycle lover - help us organise the annual Ride to Uni Day and learn about event management, marketing, communications and sustainable transport in one satisfying project.	2	Low	10 - 20
Waste management	Conduct annual waste audit	Help TropEco work out where all JCU's waste is going and what it's made up of. We do an annual audit where we sort and collate waste to landfill and recyclables. Great experience for anyone looking to understand environmental impacts and auditing.	6	Low	Up to 10
	Conduct lunch room waste audits	Are JCU staff doing the right thing with waste management? You can keep an eye on them and provide suggestions on how to improve by conducting lunchroom audits in collaboration with the TropEco team.	2	Low	Up to 10
	War on Waste campaign intern	Want to make a real difference at JCU and have some cool ideas about waste management. Join our War on Waste campaign and help us implement innovative waste reduction, reuse and recycling programs to reduce waste to landfill. This requires an all-rounder with communication skills as well as knowledge of waste management systems.	2	Moderate	Up to 50

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Energy	Clean energy initiatives intern	Passionate about a clean energy future? This is the internship for you. We are looking for a student intern to help us move forward on our clean energy initiatives, from renewable energy installations to energy efficiency and battery storage.	1	High	Up to 100
	Switched on Schools Program coordinator with the Australian Youth Climate Coalition	Are you under 30 and passionate about tackling climate change? Take action by coordinating a team of mentors to help Townsville high schools repower with 100% renewable energy.	2	Medium	Up to 100
	Switched on Schools Program mentor with the Australian Youth Climate Coalition	Are you under 30 and passionate about tackling climate change? Take action by coaching and mentoring Townsville high school students to run campaigns in and out of their schools to transition to 100% renewable energy.	4	Low	Up to 60
Water	Water saving initiatives	With JCU's Townsville campus facing water restrictions for several years now, this internship will help us look for innovative water efficient solutions to ensure the campus minimises water use.	1	High	Up to 100
Engagement	Green Impact program – student assistants	Help our staff implement sustainable practices through the Green Impact program. Interns can support staff throughout the annual competition to see who can take out the honours for most sustainable staff team.	2	Low	Up to 50
	SDG engagement intern	Want to help JCU implement its commitment to the Sustainable Development Goals? This is a high-level internship for someone who wants to learn about embedding sustainability culture across a large organisation under the global goals for sustainability.	2	Moderate	Up to 100
Communications and marketing	TropEco communications and marketing	Are you a budding film director or a whiz on social media with a passion for sustainability? TropEco has the internship for you. Help us communicate and market our programs to the university and beyond.	1	High	Up to 100
Business development	Business development intern	Know how to develop a lean, green business? We have a number of programs that need help in this space and are crying out for the right intern.	1	High	10 - 100
Technology	IT whiz	This internship is perfect for the IoT whiz. We have plenty of real world sustainability problems that need a technological solution.	2	High	Up to 100
General	TropEco general internship	Not sure what you want to do but are passionate about sustainability? Come and see us about a general internship where we'll give you experience in a number of areas.	2	Low	10 - 100
Community Gardens	Rotary garden intern	If you have a green thumb, like the outdoors, or just want to learn more about local food production, the Community Garden internship might be your perfect role. In addition, you'll even get to take some of the awesome fresh produce home.	2	Moderate	10 - 100
Innovation	Student devised projects	Got an awesome sustainability idea and want the support to put it into action? We can help. Bring your idea to us and we'll help you turn it into action as a TropEco Intern.	2	Variable	Variable