

Nihon University Newcastle Campus

Green Travel Plan

June 2025

Nihon University Newcastle Campus
Church Street, Newcastle

Green Travel Plan

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1 Purpose of Report and Study Objectives

1.1 Background

Seca Solution has been engaged by APP on behalf of the University of Newcastle and Nihon University to prepare this Green Travel Plan (GTP) for the Nihon University Newcastle Campus, Church Street, Newcastle. This Green Travel Plan has been prepared to satisfy the City of Newcastle condition of consent for the development application to provide for the campus accommodation for both local and international residents and updates prior GTPs prepared for the campus.

This has been prepared by Sean Morgan (qualified traffic engineer, road safety auditor) and Cathy Thomas (road safety auditor, qualified to prepare traffic management plans, University of Technology Sydney- preparing workplace travel plans).

The Nihon University Newcastle Campus has provided for the adaptive reuse of the historical Newcastle Courthouse along with provision of student accommodation and educational spaces.

The development will cater for up to 100 students and up to 12 teaching staff either accommodated or studying on site, with no reliance on car ownership but rather relying on the use of public and active transport opportunities. In this way the campus is well located being within a city centre with access to quality active transport opportunities.

A Green Travel Plan is seen as a way of supporting active travel, making it easier for staff and students to get to and from a workplace or in this case campus and to reduce dependence on private vehicles and parking space.

“A travel plan typically includes support for walking, cycling, public transport and car sharing reinforced with promotion and incentive and the management of workplace parking.”

Premier's Council for Active Living New South Wales (PCAL)

1.1.1 Spheres of Influence

The areas which may be influenced by the implementation of a travel plan include:

- Reduction in private motor vehicle travel by individuals, the impact on the road network and associated environmental costs and costs to the employee
- Increased walking, cycling and public transport use and its resulting increase in physical exercise and health benefits
- Parking policy, covering parking pricing and supply
- Reduction in parking demand, its associated cost of provision and in turn the cost to employees for parking usage

1.2 Scope of Report

The plan has been developed in conjunction with the University of Newcastle taking into consideration the prior Green Travel Plans prepared for Nihon University (for the SSD), considering the demographics and travel needs of the end users of the Nihon University Newcastle Campus, allowing for the ongoing use of the accommodation on site.

The assessment is specifically to consider the objectives of the Newcastle DCP as it relates to City Centre development taking into consideration the adaptive reuse of the State significant site.

1.3 University of Newcastle Transport Access Strategy

The renewal of Newcastle is based on an increase in the number of people living and working in the City with The University of Newcastle providing for significant staff and students over time. The Transport Access Strategy (TAS) prepared for the NUspace development, and the City Campus (Honeysuckle) approved concept considers the strategic policies for the City of Newcastle, including the Greater Newcastle Metropolitan Plan 2036; It also provides further insight into the University's existing mode share data; and analyses case studies of similar projects. Overall, the TAS has been developed with consideration to the future of the City and the University and supports the strategy which includes:

- The projected higher density population within Newcastle will provide further opportunities to increase active travel in the City;
- Future transport opportunities identified in the NSW Future Transport Strategy will deliver improved transport options in and around the City, thus increasing public transport usage.
- University existing transport-related data demonstrates that commencing students are already driving less and are seeking other modes of transport; the University of Newcastle is committed to support sustainable transport mode and will continue to encourage this behaviour shift as the long-term city-based campus comes to life;
- Other Universities, like UTS, have been implementing similar transport strategies, anchored around active and public transport, and have been instrumental in changing behaviours.

The TAS is a long-term strategy that aligns with the future of the City of Newcastle and supports the University's commitment to promote sustainable transport options. As identified in the TAS it is expected that 66% of students and staff shall live within the CBD and its environs within a distance suitable for walking and cycling or able to affectively access public transport.

1.4 Issues and Objectives of the Green Travel Plan

The original SSD approval for the project included a Green Travel Plan prepared by Seca Solution, subsequently updated in accordance with the approval requirements.

This document provides an updated version of this earlier document prepared to align with the DA consent.

The traffic assessment completed to support the approval for this development outlined the application of the TAS to this project and the suitability of existing infrastructure to cater for the traffic and parking demands for the development. The traffic projections associated with the Nihon University Newcastle Campus approval allowed for on site demands by non-residing staff and visitors however acknowledged opportunities for staff to access the site by modes other than private vehicle use. This Green Travel Plan is to support this and to identify opportunities for staff and students to utilise active (sustainable) travel options.

Green Travel Plans are living documents that require ownership by management to be effectively implemented. Recommendations have been reviewed with the project team to form the recommended action plan options to support sustainable travel to and from the site. This plan provides suitable information to support students, staff and visitors to use sustainable transport. This shall be included in onboarding welcome packs and staff induction discussions as well as on campus to broadly outline public transport options and connections to appropriate tools and Apps to support such travel.

The purpose of this plan is to determine transport opportunities to access the new campus and to provide an action plan that can be implemented to support active transport.

1.5 Planning Context

In developing this study, the following has been considered:

- Workplace Travel Plans - Premiers Council for Active Living NSW
- Austroads Guides to cycling (various) - Austroads
- Guide to Road Design Part 6A: Pedestrian and Cycling Paths Austroads Inc 2009
- NSW Planning Guidelines for Walking and Cycling
- Newcastle City Council Development Control Plan 2023 (dated 1/3/24)
- Australian / New Zealand Standard – Parking Facilities
- On the Street 2021-2030 A plan to better manage parking in the Newcastle LGA
- On our Bike 2021-2030 A plan for safe and connected cycling in the Newcastle LGA
- Newcastle Urban Renewal Strategy
- Nihon University Newcastle Campus Traffic Impact Assessment (Better Transport Futures 2019)
- Nihon University Newcastle Campus Green Travel Plan and Operational Transport Management Plan (Seca Solution 2021 and 2024)

1.6 Methodology

The methodology applied to the development of this plan focussed on the following key questions:

1. What travel options are available in the local area?
2. What are the travel needs of the future staff and students?
3. How can campus attendees be supported and encouraged to utilise active travel measures over single car use?
4. What sustainable transport goals can be established for the campus?

1.7 Authority Consultation

Consultation was undertaken with the City of Newcastle throughout the Development Application assessment process.

2 Existing Transport Services and Facilities

2.1 Site Location

The subject site is located at No 9 Church Street, Newcastle and sits within the historic East End precinct of Newcastle. The site was previously used as the Newcastle Courthouse, established in 1889. Following the relocation of the Courthouse to Hunter Street in 2016 the site was refurbished and became the New Nihon University Newcastle Campus.

The site is occupied by a number of buildings, including the heritage listed former 1888 Courthouse Building. Access to the former Courthouse building is on Church Street opposite Bolton Street.

The location of the site is shown below in Figure 2-1.

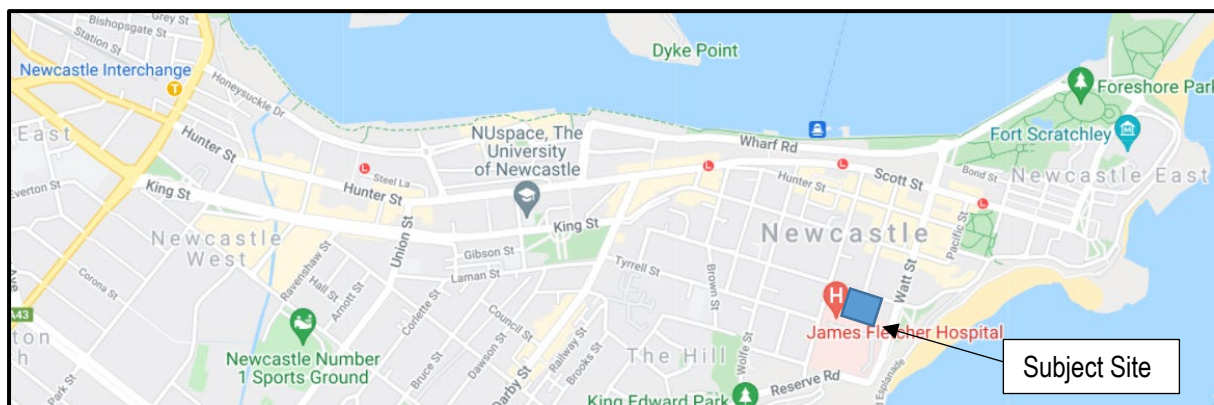


Figure 2-1 Site Location (Source: google maps)

2.2 Parking

On-Site and Local Street Parking

The subject site provides parking on site for 23 vehicles, including two accessible and one EV charger, one motorcycle and 24 bicycle parking spaces.

This provision was sized specifically to cater for the demands of visitors and a small number of local staff given the main (international) staff and student cohort did not generate any demand for on-site vehicle parking for their travel needs.

Off-Site parking is available in the streets surrounding the Nihon University Newcastle Campus on a timed, user pays basis. Time restrictions in the immediate vicinity of the subject site vary from 2 hours to 8 hours (closer to King Edward Park, a short walk from the subject site.)

On street paid parking is managed through the “Easy Park” parking App that allows management of parking (time and costs) via smartphone use.

Off Street Commercial Parking is available at numerous sites across the Newcastle CBD, with the closest available being the Bolton Street Car Park to the immediate north of the subject site. (Owned and operated by Hunter Parking and Storage.)

Advice from the owners of the Bolton Street Car Park is that it operates at less than capacity.

2.3 Train Travel

2.3.1 Range of Services

Newcastle is serviced by both intercity and regional train services provided by CityRail. Services terminate at the Newcastle Interchange that allows for connection to both the Hunter Line (west towards Maitland) and the Central Coast Newcastle Line which travels south along the western side of Lake Macquarie to Wyong, Tuggerah, Gosford and on to Sydney.

2.3.2 Frequency of services

On the Central Coast Line trains run every hour with higher frequencies in weekday peak hours. Minor stations have a two hourly service at weekends.

On the Hunter Line services run every half hour between Newcastle and Maitland however less frequent services are available to Scone or Dungog. Minor stations have hourly services during weekends.

2.3.3 Connection to Nihon University Newcastle Campus

The campus is connected to the Newcastle Interchange via the light rail service with regular services from Newcastle.

2.4 Light Rail

Light Rail

The development of the light rail network along Worth Place, Hunter Street, Scott Street and beyond includes six stations providing convenient commuting throughout the CBD (Figure 2-2). The site is located between Queens Wharf and Newcastle Beach with both stops on Scott Street. It provides an effective inner-city transport system enabling staff and campus attendees to commute throughout the CBD along the east-west corridor.

2.4.1 Frequency of Service

The turn-up-and-go service operates from 5am to 1am, seven days a week. Services every 7.5 minutes during the peak periods (7am-7.30pm) and every 15 minutes at other times.

2.4.2 Connection to Nihon University Newcastle Campus

The site is located between Newcastle Beach and Queens Wharf light rail stations, with pedestrian links available between each station and the subject site.



Figure 2-2 Newcastle Light Rail Route (★ - subject site)

2.5 Bus Travel

Newcastle Transport (Keolis Downer) is the major provider of bus services throughout the greater Newcastle region with bus routes through the CBD shown in Figure 2-3.

The Hunter Region is supported by further private bus services in addition to the Newcastle transport service available within Newcastle.

Table 2-1 Bus Services and Key Service Areas

Bus Company	Key Services
Hunter Valley Buses	Hunter Valley Buses serving the Hunter region. Serving the areas of Singleton, Maitland, Newcastle, Edgeworth, Toronto and Morisset.  Region Network Map for Region 4 Hunter Valley Buses services for Region 4 cover the areas of Barnsley, Minmi, Edgeworth, Glendale, Toronto, Morisset, Wangi and Newcastle. Barnsley, Minmi, Edgeworth, Toronto and Morisset Region Map Maitland (local services) linking to Singleton, Branxton, Maitland, Woodberry and Thornton. Raymond Terrace and Newcastle via Hexham and Medowie Lemon Tree Passage to Raymond Terrace and Newcastle  Region Network Map for Region 2 Hunter Valley Buses services for Region 2 cover the areas of Singleton, Branxton, Rutherford, Maitland, Medowie, Raymond Terrace and Newcastle. Maitland & Raymond Terrace Region Map
Busways	Southern Lake Macquarie; linking Charlestown and Swansea with Lake Haven. Taree, Tea Gardens, Hawks Nest, Bulahdelah with Newcastle.
Rover Coaches	Cessnock (local services); linking Cessnock with Kurri Kurri, Maitland, Newcastle and Morisset.
Port Stephens Coaches	Local services between Fingal Bay, Soldiers Point, Nelson Bay and Raymond Terrace and between Soldiers Point and Newcastle via Newcastle Airport.

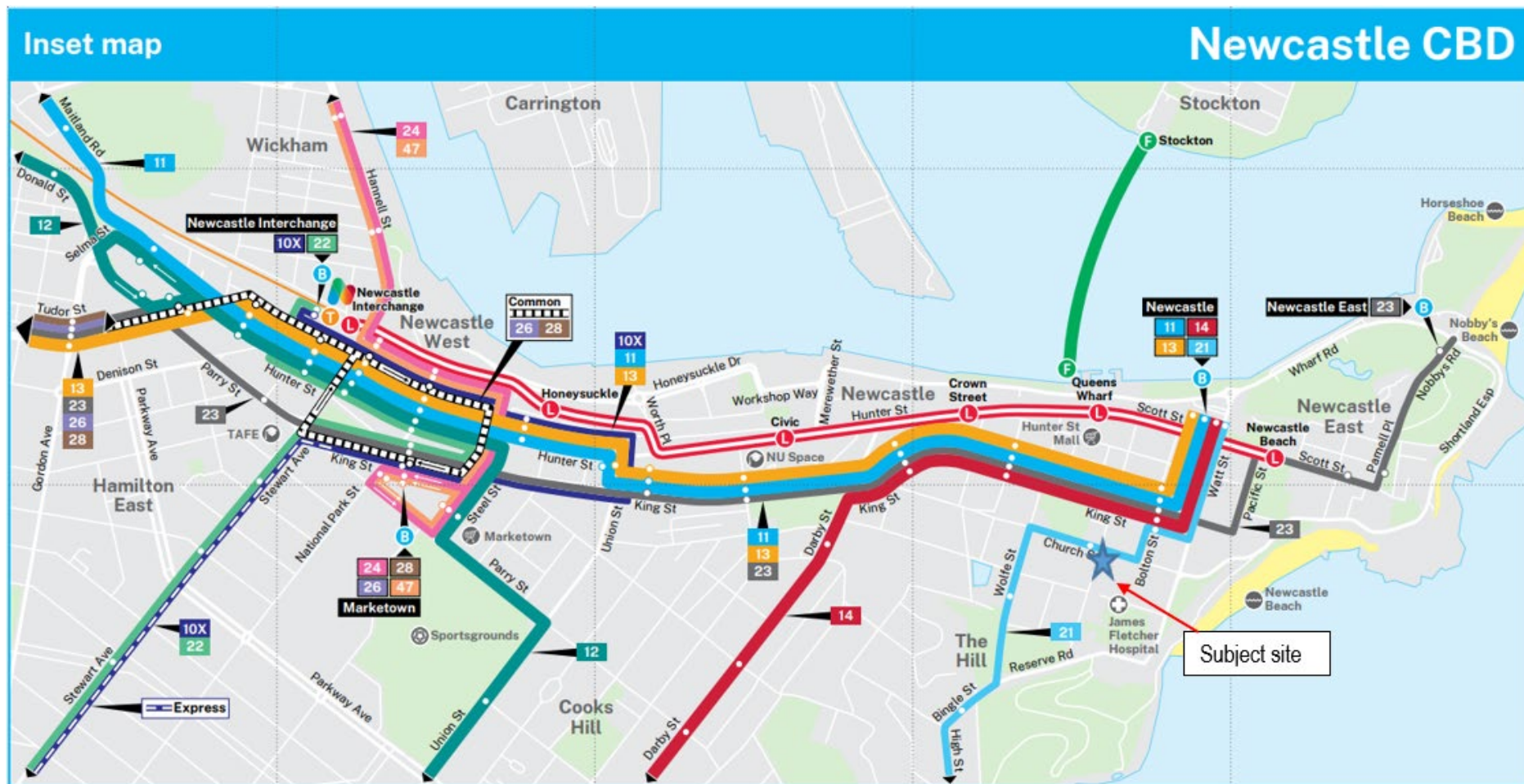


Figure 2-3 Bus services in the Newcastle CBD (★ - subject site) (Source: Newcastle Transport)

2.5.1 Bus Facilities

2.5.1.1 Bus stops within the vicinity

The Newcastle Interchange provides connection to various bus services. It is accessed by the light rail service as well as quality footpaths.

There are bus stops located on King Street between Watt Street and Bolton Street, which cater for services in both directions and are located within 210 metres of the subject site. These stops provide seating but no shelter.

There is also a bus stop on the western side of Bolton Street which is sign posted only.

2.5.2 Frequency of Services

In addition to services running from the Newcastle Interchange, routes 11, 13, 14, 21 and 23 operate along King Street within 210 metres of the campus.

Route	Frequency – Weekdays	Frequency - Weekends
11	Half hourly (from 05:13 to 07:13) Quarter hourly (from 07:13 to 20:42) Half hourly after 20.42 to 20:03 Approx. Hourly from 20:03 with last service 03.47	Hourly from 05:05 to 07:05 Half hourly from 7:35 to 19:05 Approx. Hourly from 19:05 with last service 03.42
13	Half hourly (from 05:05 to 07:05) Quarter hourly (from 07:05 to 19:05) Half hourly after 19.05 to 22:05 Hourly 22:05 to 00:35, last services 01:35 & 03.08	Hourly from 04:41 to 06:41 Half hourly from 07:10 to 18:10 Hourly 18:10 to 00:05, last services 01:35 & 03.11
14	Half hourly 05:09 to 07:33 (10mins 07:01 to 07:33) Approx. quarter hourly (from 07:33 to 19:04) Half hourly 19:04 to 22:34 Hourly from 22:34 last service 02.34	Hourly from 05:15 to 06:15 Half hourly from 06:15 to 19:45 Approx. Hourly from 19:45, last service 02.34
21	Approx. 45 mins from 05:59, 30m 07:38 to 08:43 Hourly 08:43 to 14:43 Approx. 30 mins from 14:43 to 17.58 Approx. hourly 17:58 to last service 21:53	Approx. hourly with last service 21:03 Saturday and 18:05 Sunday
23	Hourly from 05:50 30m 06:47 to 08:44 Hourly 08:44 to 15:47 Approx. 30 mins from 15:47 to 17.45 Approx. hourly 17:45 to last service 21:50	Approx. hourly with last service 20:00 Saturday and 19:00 Sunday

2.5.3 NU Space Shuttle – Callaghan Campus

The University of Newcastle provide an inter-campus shuttle for students and staff to travel between the Callaghan campus and the University of Newcastle NUSpace (King Street) bus stops and Q Building (Honeysuckle Drive). This shuttle service and associated Park and Ride parking spaces at Callaghan are provided by the University to assist in the transport of staff and students between campuses and includes the provision of 306 parking spaces dedicated at the Callaghan campus for Park and Ride commuters.

The shuttle bus service operates regularly between the two campuses enabling staff and students to either Park and Ride or to commute between the campuses as required throughout the day and evening to coincide with first and last lectures. There is no cost for this shuttle service with the parking managed in a manner consistent with the existing campus parking policy.

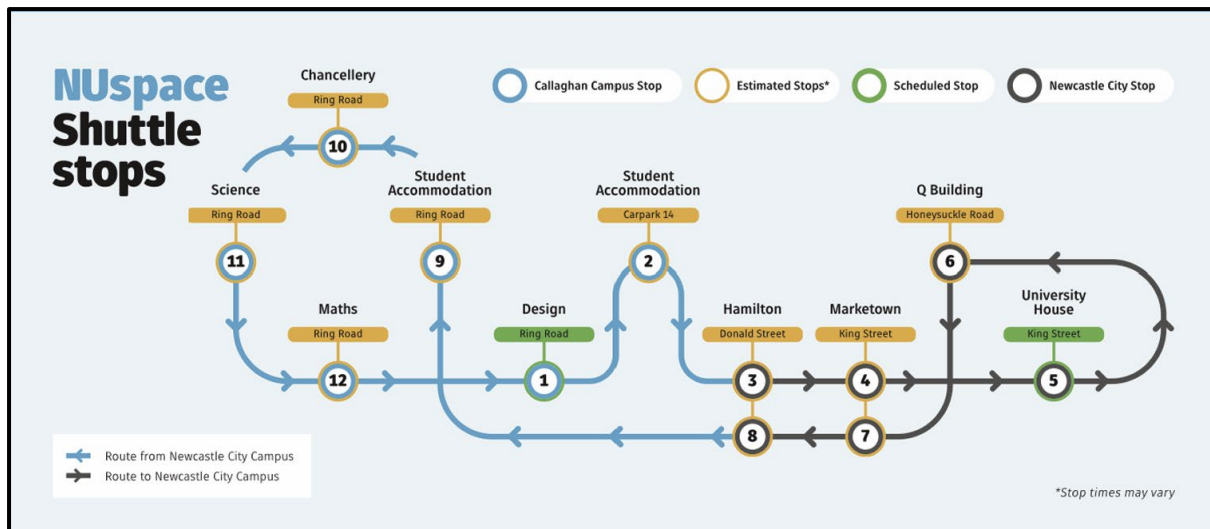


Figure 2-4 NUSpace Shuttle service between Callaghan Campus (blue) and NUSpace (King Street stop 5)

2.5.4 Pedestrian connections

Footpaths are available along both sides of Watt Street, Bolton Street and King Street connecting the subject site on Church Street to various bus stops, including on King Street for the NUSpace Shuttle. Pedestrian crossings are available at most intersections including the intersection of King Street and Bolton Street and King Street and Watt Street as well as outside the site on Church Street.



Photo 1 Bus services run along King Street with footpaths to both sides. Bus stop (blue sign) in distance.

2.6 Ferry Travel

Newcastle Transport operates a harbour ferry service between Queens Wharf and Stockton. These services run Monday to Thursday from 5am to 11pm, Friday and Saturday from 5 am to midnight, Sunday from 8.30am to 10pm. Additional bus services operate from Queens Wharf to Stockton on Friday and Saturday nights with the last departure from Queens Wharf at 2.45am, with the bus route 55N.

2.6.1 Range of Services

Newcastle Transport provide a ferry service between Newcastle (Queens Wharf) and Stockton.

2.6.2 Frequency of services

Ferry services generally run half hourly, with more frequent services every 15 minutes during the peak periods.

2.6.3 Connection to Nihon University Newcastle Campus

The Stockton Ferry service connects with Nihon University Newcastle Campus via footpaths along various local streets including Bolton Street and Watt Street as well as Hunter Street mall and Scott Street. Signalised crossings are provided across Scott Street with pedestrian crossings at most key intersections.

2.7 Taxi and Uber Services

Newcastle Taxis operate in the greater Newcastle area 24 hours a day. Taxis can be booked by phoning 133 300 or 13 2227 (13CABS). Online booking is also available as well as a Cab App.

Uber and DiDi services are readily available in Newcastle.

2.8 Trip Planning

2.8.1 Transport for NSW

TfNSW provides a range of services to assist in planning public bus and train travel throughout Newcastle and the Hunter.

Information can be sought online <https://transportnsw.info/trip/#/> but also by calling 131 500 and selecting option 2.

The online planner provides the commuter with a mobile friendly option with real time data. This means that one can determine which service is scheduled and when it will arrive. It also includes service alerts to advise when services are delayed. Next departure information and being able to use an interactive map all improve the public transport option for commuters.

There are a number of Apps promoted for mobile devices and available through App stores as well a real time transport information in mapping Apps.

<http://www.transportnsw.info/en/travelling-with-us/keep-updated/apps/real-time-transport.page?#services>

These Apps allow commuters to track their service in real-time:

- Where a train and bus is now.
- Train service updates such as cancellations and delays.
- If selected train stations have a lift or escalator.
- The closest bus stops and routes.
- Estimated bus arrival times

2.8.2 University of Newcastle

Trip planning tools are also available on the University of Newcastle web site. [Public Transport / Newcastle City Campus / Transport / Campuses and locations / Our Uni / The University of Newcastle, Australia](#)

NUSpace shuttle bus details are also provided. <https://www.newcastle.edu.au/our-uni/campuses-and-locations/transport/newcastle-city-campus/shuttle>

2.9 Pedestrians

There are extensive pedestrian footpaths in the vicinity of the site, which extend throughout the East End and the CBD as well as to local attractions, including Queens Wharf, Honeysuckle Precinct, Marketown, Darby Street entertainment precinct and major new developments adjacent to Hunter Street Mall. There are footpaths along both sides of the roads in the vicinity of the site, with a pedestrian crossing adjacent to the site frontage across Church Street as well as across Bolton Street. Within the CBD many major crossings are controlled by traffic signals which incorporate pedestrian phasing, ensuring that pedestrian movements can be safely managed and controlled. These pedestrian crossings include drop kerbs to cater for wheelchair users as well as prams etc. Other intersections typically provide pedestrian crossings to ensure pedestrians have priority.

2.10 Cycling

There is an east-west shared pathway along the harbour foreshore which extends north through Wickham and along Throsby Creek where it becomes part of the No 6 cycling route to University of Newcastle's Callaghan Campus.

Cyclists are also able to ride on the roads connecting with various regional and local cycle routes signposted in this location, which allow for access to the major attractions including the CBD and the beaches and wider afield such as University of Newcastle (Callaghan), Kotara, Glenrock and the Fernleigh Track as well the sporting / entertainment precinct at Broadmeadow. Cycling upgrades are ongoing in the city centre as part of upgrades to the public domain.

City of Newcastle provides cycling route maps, with the LGA map shown below in Figure 2-5. .

<http://www.newcastle.nsw.gov.au/OnYourBike/Home>

TfNSW web site has a Cycleway Finder tool ([Cycleway Finder](#)) and Google Maps allows for the selection of cycling as a mode of travel enabling cyclists to nominate their location and they will be provided various routes within the vicinity. The route information can include degree of difficulty, lighting, conditions etc as shown below in Figure 2-6.

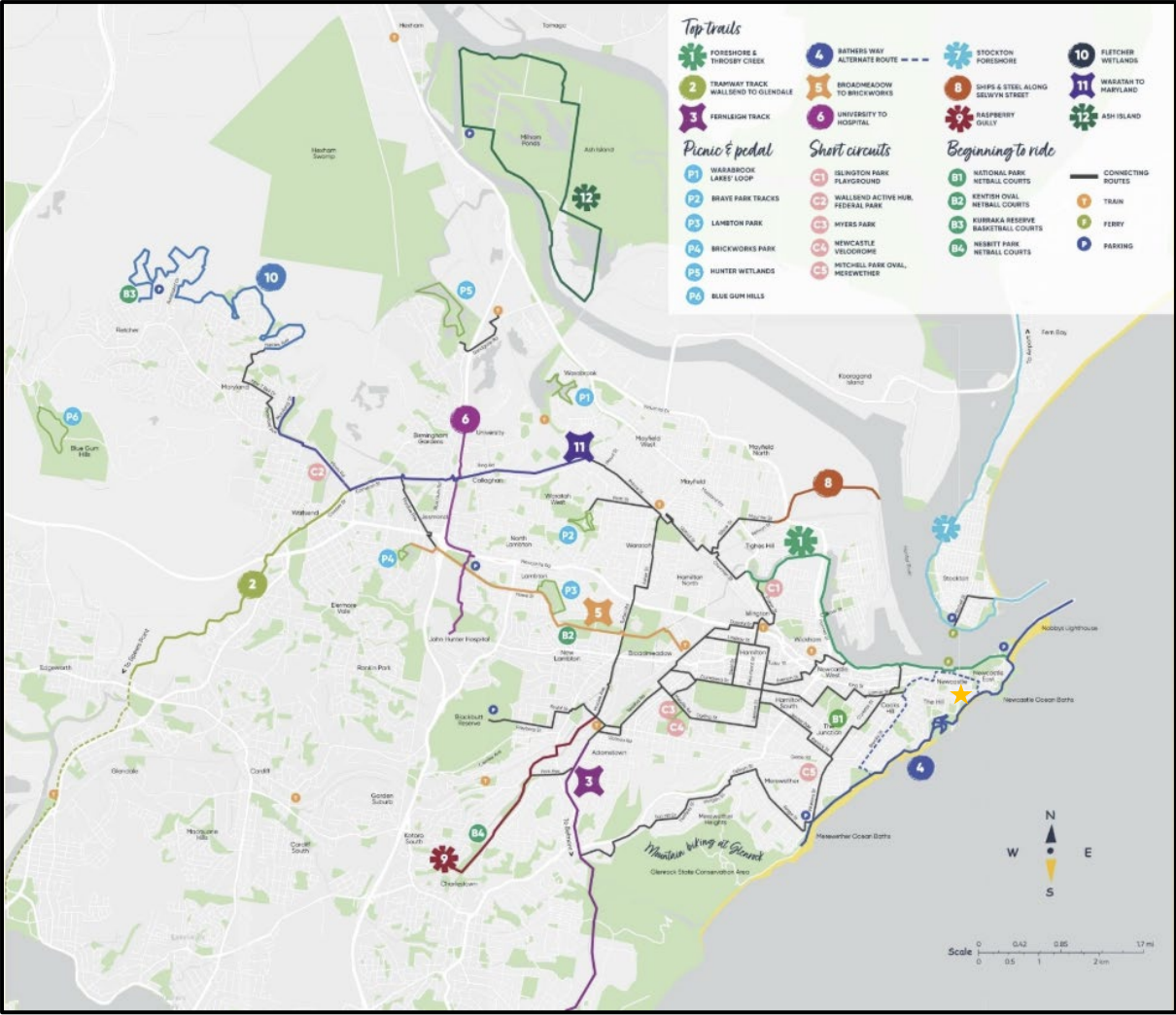


Figure 2-5 Newcastle LGA Cycling Routes – Subject site (★) (Source: Newcastle City Council)

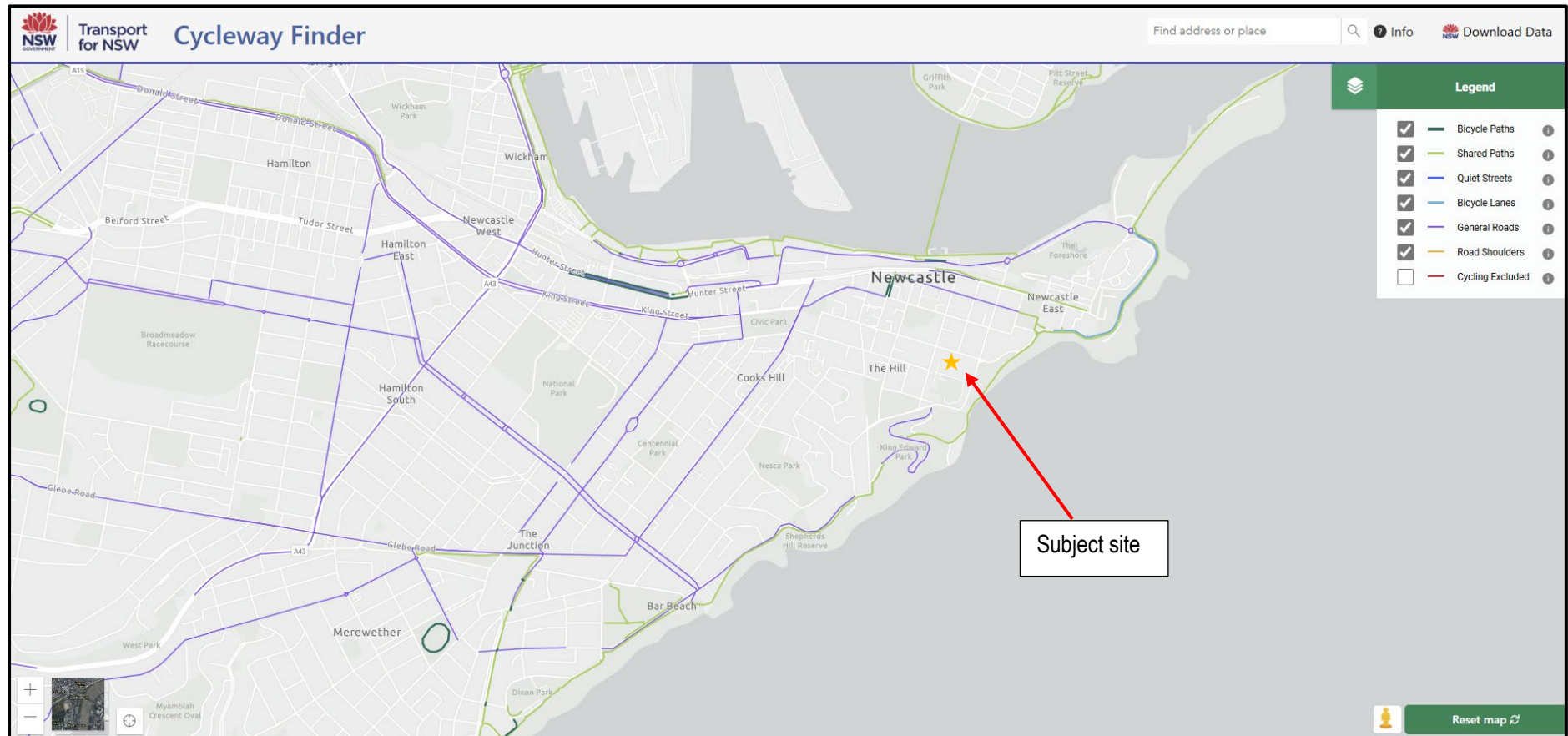


Figure 2-6 Newcastle CBD Cycling Routes – Subject site (★) (Source: Transport for NSW)

3 Mode Share Targets

The renewal of Newcastle is based on an increase in the number of people living and working in the city with the University of Newcastle's presence providing significant staff and student numbers over time.

The Transport Access Strategy (TAS) prepared and then updated for the approved city-wide campus developments (NUspace and Honeysuckle City Campus) considered the strategic policies for the City of Newcastle, including the Greater Newcastle Metropolitan Plan 2036. It also provided further insight into the University's existing mode share data; and analysed case studies of similar projects. Overall, the TAS has been developed with consideration to the future of the city and the university and supports the strategy which includes:

- The projected higher density population within Newcastle will provide further opportunities to increase active travel in the city;
- Future transport opportunities identified in the NSW Future Transport Strategy will deliver improved transport options in and around the city, thus increasing public transport usage;
- University transport-related data demonstrated that commencing students are already driving less and are seeking other modes of transport; the University of Newcastle is committed to support sustainable transport mode and will continue to encourage this behaviour shift as the long-term City Wide campus comes to life.

It is acknowledged that mode share shifts have changed since the Covid-19 Pandemic with a shift in hybrid working and studying arrangements allowing for lower face to face campus attendance offset by the ease of travel and parking in the city centre which has enabled driving as a viable mode of transport. It will take an increase in attendance in the city at offices etc to create the critical mass that will again support mode shift as was being seen in 2019-2020. The increased campus activity in the city may assist in this return to a vibrant city centre.

• Other Universities, like UTS, have implemented similar transport strategies, anchored around active and public transport, and have been instrumental in changing behaviours. The University of Newcastle Transport Access Strategy is a long-term strategy that aligns with the future of the city of Newcastle and supports the University's commitment to promote sustainable transport options. As identified in the TAS it is expected that 66% of students and staff shall live within the CBD and its environs within a distance suitable for walking and cycling or able to effectively access public transport.

For the 100 students and 12 staff residing on site, they make up part of the cohort who live within the Active Transport Zone and so are able to walk, cycle or use public transport to connect with the various campus sites both in the CBD and at Callaghan. Applying the mode share targets established in the TAS to those studying or working at the Nihon Campus Newcastle Campus would see the following modes of travel.

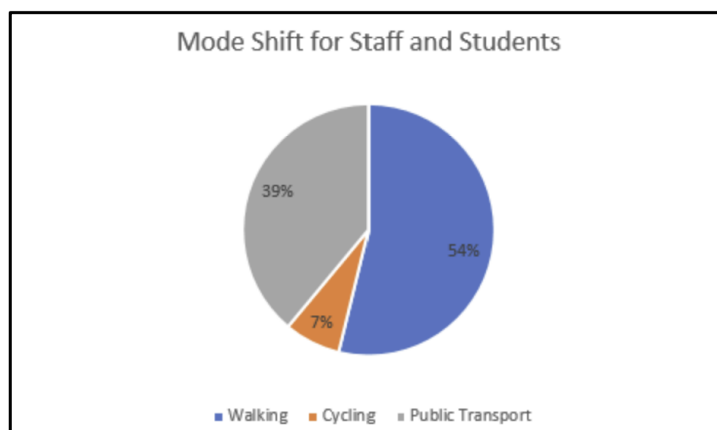


Figure 3-1 Mode share target for City based campus attendance

4 Future Travel Demands

4.1 Student and Visitor Travel Needs

The Nihon University Newcastle Campus has been approved on the basis that it shall host a mix of international, regional and local students and staff who shall attend or be accommodated on campus with little need to commute as part of their day to day activities.

4.1.1 International Students

The international staff or students will travel to Australia via international air services, transferring to domestic air services to Newcastle airport or otherwise travelling by train or bus to Newcastle.

In terms of extra-curricular activities, these will be typical of any resident, in that they will include shopping, recreational, social, cultural, medical activities, planned excursions, etc with the site ideally located for ease of access to these local facilities and attractions.

These extra-curricular activities will be undertaken by travel modes other than private motor vehicle given that students are unlikely to hold international driver's licenses and will therefore walk, cycle or use public transport including the potential for taxi/uber or similar ride sharing platforms.

4.1.2 Potential Demand for Local Students

Local students attending the campus may be resident in the Nihon University Newcastle Campus Accommodation or University Accommodation (including the future accommodation proposed in the City Campus on Honeysuckle Drive) or living within the general vicinity identified in the TAS as the Active Travel Zone (ATZ). Newcastle city centre including its surrounding suburbs supports a car-free lifestyle being well positioned to support students who can walk or cycle to campus, services, recreation and employment or can access quality public transport links including light rail, bus services and heavy rail for suburban or regional travel.

Other students studying on site may live outside the ATZ and so travel to Newcastle by public transport or cycle or choose to use a mix of Park and Ride and walking for those that live further afield.

Connections to public transport, including Park and Ride opportunities are readily accessed by light rail, a short walk from the campus or by walking to the relevant bus stops.

4.1.3 Campus to Campus Travel

4.1.3.1 Nihon University Newcastle Campus to CBD Campus sites

Convenient travel planning between the Nihon University Newcastle Campus and other campus sites is available using various Trip Planners on web sites (eg Transport NSW, Newcastle Transport) as well as mapping Apps (eg Google Maps or Apple Maps).

For example, Figures 5-1 and 5-2 below illustrate either bus or walking trips between Nihon University Newcastle Campus and NUspace at Hunter Street in the CBD.

Access is also available by light rail with stations at Queens Wharf, within 500 metres of the Nihon University Newcastle Campus

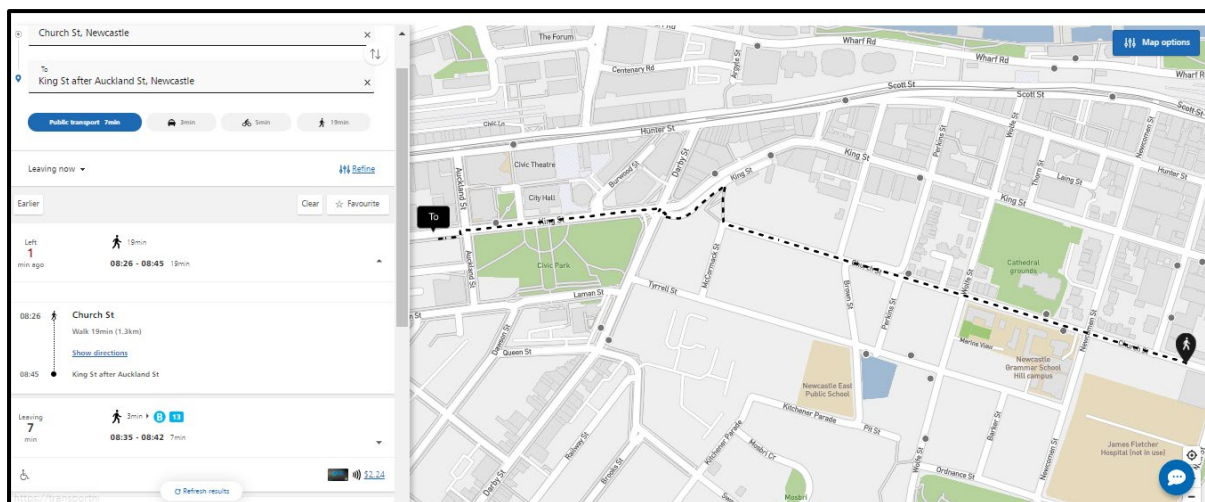


Table 5-1 Trip planner providing walking route between Nihon University Newcastle Campus and NUSpace

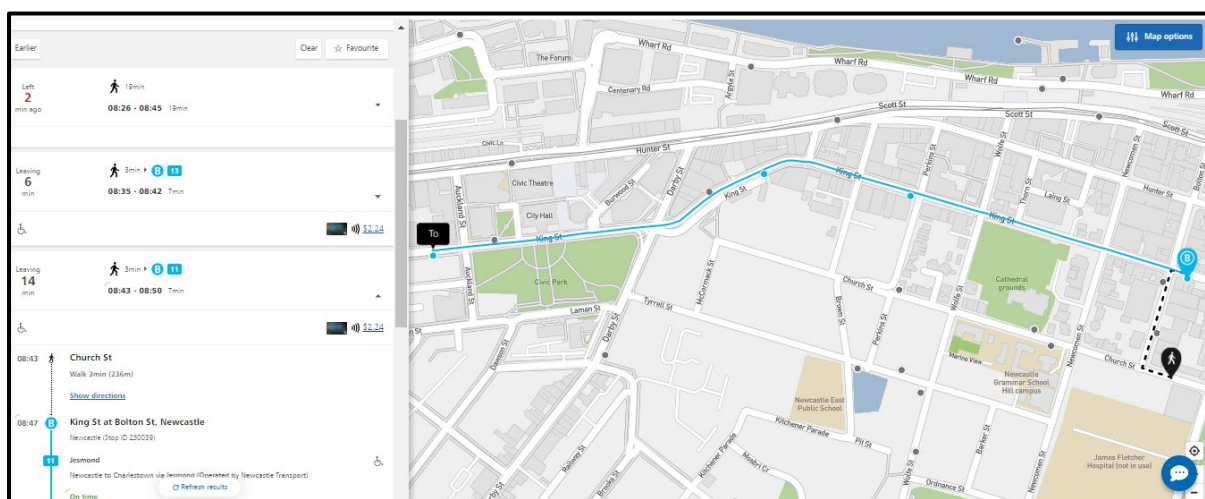


Table 5-2 Trip planner providing bus service between Nihon University Newcastle Campus and NUSpace

4.1.3.2 Nihon University Newcastle Campus to Callaghan Campus

Various transport options are available between Nihon University Newcastle Campus and Callaghan Campus:

- light rail to the Newcastle Interchange (heavy rail services) provides a light rail/heavy rail journey to Callaghan Campus (Warabrook Station).
- existing NUSpace Shuttle provides a bus service between bus stops on King Street, near Auckland Street, and Callaghan Campus. This service can be accessed by walking along existing pedestrian routes or catching the light rail to Civic.
- various cycling routes, including Regional Route 6 (R6) cycle route, are signposted between the city centre and various locations including Callaghan along a series of quieter street and off-street pathways.

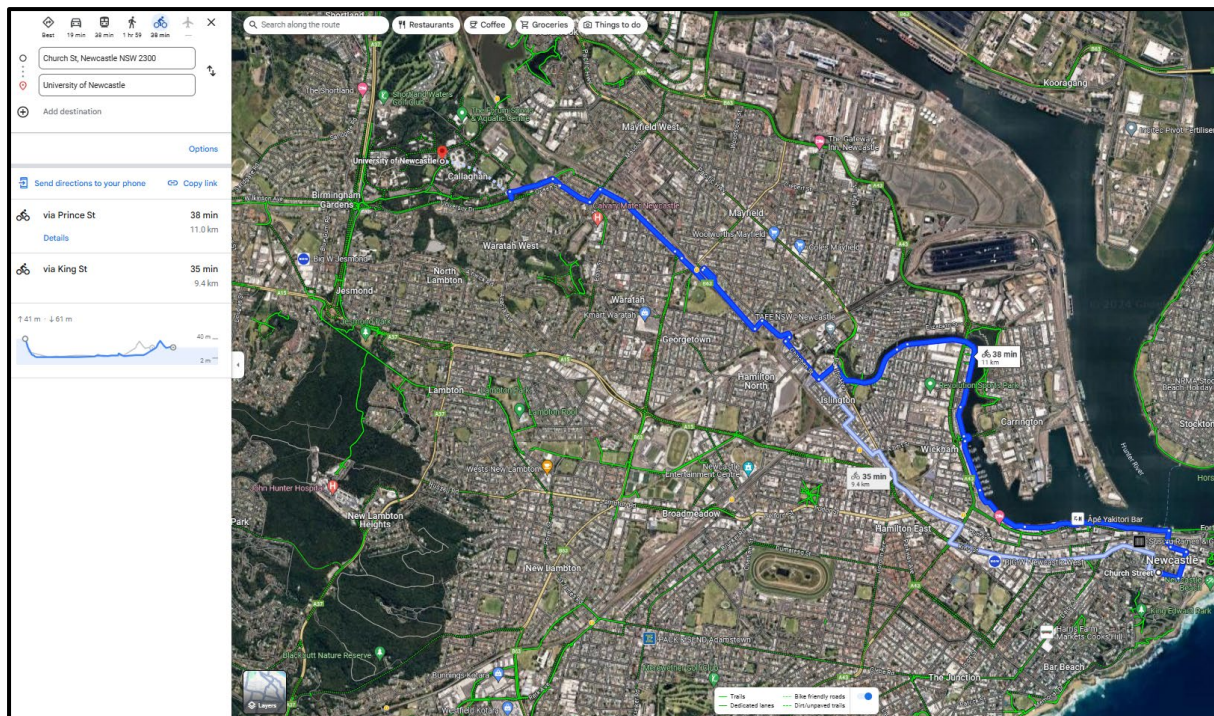


Figure 4-1 Cycling route between Nihon University Newcastle Campus and Callaghan Campus

4.2 Attendees as Driver

4.2.1 Carpooling/Ridesharing

Carpooling is supported by the University of Newcastle through priority parking.

Twenty free parking spaces are provided adjacent to the Conservatory on Auckland Street for use by staff and students who carpool.

Demand for carpooling to the campus shall be investigated with the potential for carpooling parking on site to encourage a higher car occupancy by staff and visitors.

5 How to influence Change

5.1 Background on Green Travel Plans

Travel Plans are seen as a way of supporting active travel, making it easier for employees and visitors to get to and from the workplace and to reduce dependence on private vehicles and parking space.

“A travel plan typically includes support for walking, cycling, public transport and car sharing reinforced with promotion and incentive and the management of workplace parking.”

Premier's Council for Active Living NSW (PCAL)

Active Workplaces are identified as a means by which workplace health and wellbeing can be promoted and supported. Investing in workplace health promotion (such as physical activity programs) has the potential to increase economic return for employers through enhanced worker productivity, reduced absenteeism and improved corporate image. (PANORG (2009) *Evidence module: Workplace physical activity and nutrition interventions.*)

5.2 Spheres of Influence

The areas which may be influenced by the implementation of a travel plan include:

- Reduction in parking demand, its associated cost of provision and in turn the cost to employees for parking usage where paid parking is required.
- Reduction in private motor vehicle travel by individuals, the impact on the road network and associated environmental costs and costs to the employee.
- Increased walking, cycling and public transport use and its resulting increase in physical exercise and health benefits.
- Parking policy, covering parking pricing and supply

With regards to the proposed development the primary spheres of influence are:

- On-site Accommodation – for both students and staff.
- Public Transport:
 - Light Rail Travel – effective local (CBD) travel and connection to heavy rail at the Newcastle Interchange, NUSpace at Hunter Street and Honeysuckle Campus
 - Bus Travel – ensure staff and students who are open to using public transport are supported in this choice.
 - Train Travel – ensure all staff and students who are open to using public transport are supported in this choice.
 - Park and Ride –allows for a Park and Ride service with parking at Callaghan. Transport for NSW also provides free commuter parking at various Park and Ride stations eg Gosford.
 - NUSpace Shuttle – for use by students and staff between Callaghan and NUSpace (City).
- Car Pooling - reduce number of individual private car drivers by encouraging any staff and students to car pool, both to and from the campus as well as for any work-related travel.
- Ensure any local staff who indicate they are prepared to walk or cycle are supported in this choice.
- Parking policy – ensure it supports alternative transport options.
- Work related travel – reduce dependence on private car travel.

Those factors which may influence, both positively and negatively, staff and students travel choices relevant to this development are detailed below.

5.3 Travel Management Strategy

The mode split adopted for Nihon University Newcastle Campus is a result of the application of various key strategies including the Greater Newcastle Metropolitan Plan 2036, Greater Newcastle Future Transport Plan, Connecting Newcastle, Local Planning Strategy, the Newcastle Transport Strategy and the Newcastle Urban Release Strategy and promotes the key transport elements of walking, cycling and public transport. To support the adoption of these by attendees of the campus green travel plans have been developed to actively encourage behaviour change and a shift away from travel by private vehicle. The implementation and monitoring of the green travel plan is overseen by the university as detailed in 5.12 below.

Staff and students will be able to avail themselves of the same extensive array of transport choices available to all workers, visitors and residents of the Newcastle CBD. Attendees and visitors to the site can access the University of Newcastle website for transport information. This includes “How to Get There” information for the City Campus, which is particularly relevant in the context of local travel to the Newcastle CBD as well as an online trip planner.

The CBD is supported by an historic network of good quality pedestrian pathways, generally provided along both sides of the roads with additional pedestrian paths through parks and open space. As the Newcastle CBD is revitalised the ongoing development of quality pedestrian routes with adequate pathways, activity nodes, weather protection, lighting and security is occurring.

The cycling and pedestrian route along the Hunter River foreshore is a practical and pleasant connection between the site and surrounding suburbs to the west and north for those living within the residential suburbs adjacent to the city. Similarly, on road cycling routes direct cyclists south towards The Junction and Merewether. These routes are well promoted for use by commuters to the Newcastle CBD.

Bike storage for 24 bikes has been incorporated into the existing campus development. These shall be available for staff and students attending the new campus. Given the adaptive reuse of the site there is minimal opportunities to extend bike storage however the demand for bike parking shall be monitored to ensure that bike storage can meet demand. There are lockers provided on site and access to showers on the same level as the bike storage.

5.4 Green Travel Plan Recommendations

The following recommendations provide opportunities for sustainable travel to Nihon University Newcastle Campus.

Surveying of staff and students and monitoring of facilities shall be undertaken to enable the action plan to be refined as required to obtain the set targets. The details for this shall be established by the Transport Coordinator in conjunction with the University.

The objective of this is to identify and implement measures that will increase active transport and the use of public transport while reducing the dependence on car-based travel.

1. Provide an electronic one stop shop for people attending the campus where links to external transport providers can be placed. This may be an App or be part of the University of Newcastle’s website. This will ensure that changes to travel and transport options are updated by the providers rather than being the responsibility of the University.

Cycling

<http://www.newcastle.nsw.gov.au/OnYourBike/Home>

[Cycleway Finder](#)

<https://nubug.wordpress.com/>

Information on bike parking, lockers and end of trip facilities

Trip planning

<http://www.transportnsw.info/en/travelling-with-us/keep-updated/apps/real-time-transport.page?#services>

Opal Card

https://www.opal.com.au/en/about-opal/opal_for_concessions/opal_for_tertiary_institutions/

Carpooling

<https://www.newcastle.edu.au/current-students/campus-environment/transport-and-parking/carpooling>

Park and Ride

Routes for access to Park and Ride services

[Shuttle / Newcastle City Campus / Transport / Campuses and locations / Our Uni / The University of Newcastle, Australia](#)

Taxi and Uber

<http://www.newcastletaxis.com.au/>

<https://www.uber.com/en-AU/ride/>

2. Transport Coordinator to oversee the implementation and management of this Green Travel Plan
3. Educate all staff and students about their travel choices and provide an information pack to encourage active transport, Park and Ride use. Direct to online resources.
4. Provide participants with information that makes their travel choices easy to make
5. Invite representatives from various transport mode providers to promote their services and products eg Go Get, bicycle suppliers and hirers, bicycle rider groups, Uber, Newcastle Taxis, walking groups

5.5 Public Transport

1. Ensure staff and students have sufficient information about public transport and support for this to be a positive experience. Deal with any problems that arise to assist in them trying public transport again.
2. Provide emergency options for staff who need to travel unexpectedly (eg taxi vouchers)
3. Provide information about public transport to new staff and students as part of their orientation
4. Provide information and support for students to apply for Opal concession cards

5.6 Park and Ride

1. Promote pedestrian, bus and light rail connections from Nihon University Newcastle Campus to Auckland Street bus stops for those staff and student able to use the Park and Ride facilities ie walking routes between Campus and bus stops and walking/light rail routes via Queens Wharf and Civic light rail station
2. Monitor Park and Ride parking spaces to ensure sufficient to accommodate ongoing demand.
3. Maintain pick up and drop off areas adjacent to carparks with quality lighting and additional security after dark and in the winter.
4. Monitor the utilisation of the service into the future, including:
 - assessing the potential demand of interested staff and students
 - understanding opportunities to extend the service

5.7 Carpooling

1. Continue to promote carpooling through priority parking

5.8 Bicycle and Pedestrian Travel

1. Ensure that those who are intending to ride are well supported including bike storage, allocation of lockers, provision of route information, information on end of trip facilities for campus attendees.
2. Promote Ride to Work days and networking with NUBUG (Newcastle University Bicycle Users Group)
3. Encourage a walk to Nihon University Newcastle Campus day with participants given a coffee voucher along the route for use at the campus.
4. Promote the benefits of walking to all staff and students that live within 2 kilometres of the campus.

5.9 Telecommuting

1. Investigate opportunities for hybrid working for staff to work from home.
2. Encourage telecommuting for staff and students

5.10 Reduce demand for private vehicles for work-day travel

1. Understand the need for trips to other campuses, airports and regional centres and the impact these trips have on parking.

5.11 Parking Policy

1. Maintain a policy which supports the Green Travel Plan through the management and pricing of parking
2. Prioritise parking as an incentive to maximise non-private vehicle trips
 - carpooling spaces

5.12 Monitoring and Review

This plan has been prepared as part of the ongoing monitoring and reviewing of the Green Travel Plans prepared for the campus. It is a living document which is monitored and the actions reviewed and modified to support changing circumstances.

Actions implemented shall be monitored to ensure they are having a positive impact in achieving the goals of reducing the degree of private car usage, particularly for single drivers.

Such a review shall be monitored frequently during the first year of implementation to adjust and modify as necessary. Once the plan has been fully implemented then an annual review is appropriate.

Appendix A Sample UoN Student Travel Information


[Study](#)
[Research](#)
[Engage](#)
[Campus Life](#)
[Our Uni](#)
[Library](#)
[Students](#)
[Staff](#)




Campuses and locations

Explore our campuses and environments

Find a list of all our campuses and locations across Australia and beyond.

Campuses and locations

Transport

- Callaghan Campus
- Newcastle City Campus**
 - Car
 - Shuttle
 - Public Transport**
 - Bike
 - Walk
- Central Coast Campus
- Sydney Campus
- Heading somewhere else?
- Parking Information and Rules
- Parking permits (ePermit)
- Ticketed Parking (CallOPark)
- Rideshare (Liftango)
- Resources
- Maps
- Help on campus
- Smoking on campus
- Heritage and Conservation Register
- Upper Hunter

Public Transport

The Newcastle City Campus consists of NUSpace, located on the corner of Auckland Street and King Street, the Q Building at Honeysuckle, the Conservatorium of Music, University House, Northumberland House and Newcastle Legal Centre all located along Auckland Street. The campus has strong transport links, making it an ideal location to catch public transport and explore Newcastle's Central Business District.

Bus

Buses service the City from all across Newcastle, Lake Macquarie, Central Coast and the Lower Hunter. For individual timetables for public transport services, visit: [Newcastle Transport](#).

Train

The Hunter train line stops at Warabrook station (located at the back of Callaghan Campus behind The Forum and Oval 3). If you are a staff member or student you can choose to hop off and catch the free [NUSpace Shuttle](#) into the city. Alternatively, the train terminates at Newcastle Interchange, with the connecting light rail to get you to the City Campus and around Newcastle. For more information about getting to Newcastle city by train, visit: [TransportNSW](#).

Light rail

Newcastle light rail runs from Newcastle Interchange in Wickham to Newcastle Beach in the East End. With six convenient stops, including right out the front of NUSpace, light rail is a modern way to explore Newcastle's city centre. The turn-up-and-go service operates from 5am to 1am, seven days a week. The best light rail stop for NUSpace and Q Building is: Civic. The Civic stop is directly in front of NUSpace and a short walk to Q Building. For more information about the light rail, visit: [Newcastle Transport](#).

Ferry

Newcastle Transport operates the ferry between Stockton and Queens Wharf. The ferry operates from:

- Monday to Thursday from 5:00am to 11:00pm
- Friday and Saturday from 5:00am to Midnight
- Sunday from 8:30am to 10:00pm

For more information about the ferry service, visit: [Newcastle Transport](#).

Trip Planner

Plan your trip using the NSW Trip Planner.




Trip Planner

☒ Leaving
 ☐ Arriving

Travel concessions

If you're a full time, on campus student, you may be entitled to a travel concession. International students may be eligible for other [travel concessions](#).

[More information](#)

Appendix B Posters for inclusion at Nihon University Newcastle Campus

NIHON UNIVERSITY NEWCASTLE CAMPUS

Catching Public Transport

Public Transport Timetable and Routes

Newcastle's public transport includes buses, trains, lightrail, and ferries. Apps to use:

- Opal Travel** for live updates and stop reminders | **Trip Planner** Transport NSW (QR code below)
- Google Maps** as it does not require you to know the name of your bus stop

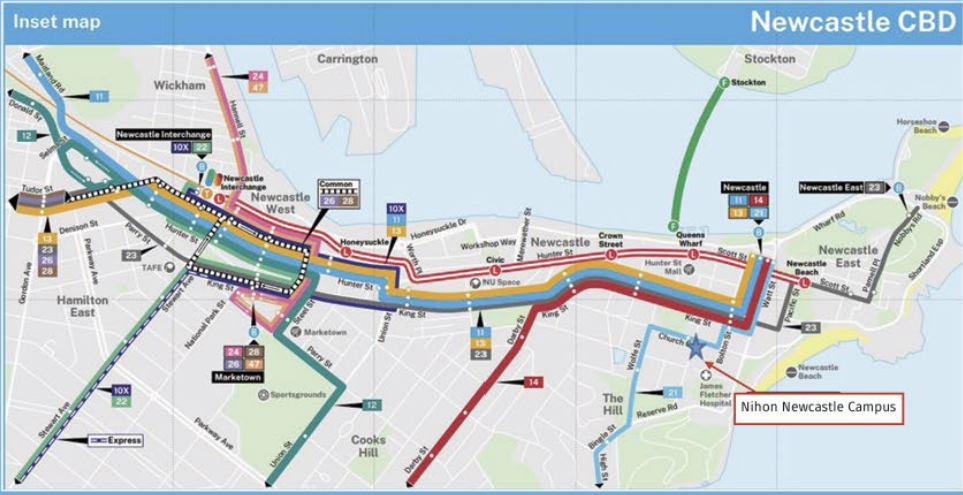
Bus, Train, Lightrail & Ferry in Newcastle

- Bus** stops are located within 210 metres on King Street, with services in both directions. Newcastle Interchange offers further bus connections, accessible by light rail or footpaths. Scan the QR code below for routes and timetables.
- Newcastle is serviced by **intercity and regional trains** via Newcastle Interchange, with connections to the Hunter and Central Coast Lines.
- The Newcastle Light Rail** runs from Newcastle Interchange to Newcastle Beach, with six CBD stops. Nihon University Newcastle Campus is a short walk from Queens Wharf or Newcastle Beach stops on Scott Street.
- Ferries** run between Queens Wharf and Stockton every 30 minutes (15 minutes at peak). It's a short walk to Nihon University Newcastle Campus via nearby streets. Services operate 5am–11pm (Mon–Thu), until midnight (Fri–Sat), and 8:30am–10pm (Sun).

How to pay your fare

You can pay using an **Opal card**, **debit/credit card**, or **contactless payment device**.

- Step 1:** Get an Opal card at stations or convenience stores if needed.
- Step 2:** Tap on when you board a bus or enter a station.
- Step 3:** Tap off when you leave to ensure you're charged the correct fare.







Access the **Trip Planner** at
<https://transportnswinfo/>

NIHON UNIVERSITY NEWCASTLE CAMPUS

Catching NUspace Shuttle Bus

Connecting to University of Newcastle campuses just got easier

NUspace shuttle is a **free**, weekday inter-campus service for **University of Newcastle students and staff** between Callaghan and Newcastle City campuses, operating from **7:10am to 10:15pm**. The shuttle stop 'University House' is a 20-minute walk from Nihon campus. Enter 'University House' in your maps app for directions. Tap your student card when boarding. Do not tap off NUspace shuttle. University of Newcastle students and staff can use the **myUni app** to track the shuttles in real time.



NUspace Shuttle Service times

During semester the NUspace Shuttle operates half-hourly.

Departs Callaghan Campus
(Design bus stop)



Departs Newcastle City Campus
(University House bus stop)



During the Semester break the shuttle operates hourly.

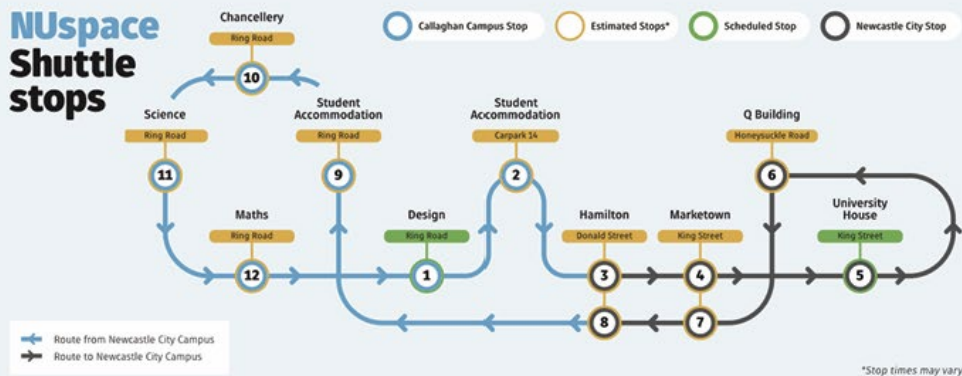
Depart Callaghan Campus
(Design bus stop)



Depart Newcastle City Campus
(University House bus stop)



NUspace Shuttle stops



UNIVERSITY OF
NEWCASTLE

myUni App
NUspace Shuttle Service



NIHON UNIVERSITY NEWCASTLE CAMPUS

Active Transport

Pedestrians

Nihon Campus is surrounded by extensive footpaths connecting the East End, CBD, and local attractions such as Queens Wharf, Honeysuckle Precinct, Markettown, and Darby Street. Footpaths run along both sides of nearby roads, with pedestrian crossings at Church Street and Bolton Street for safe access.

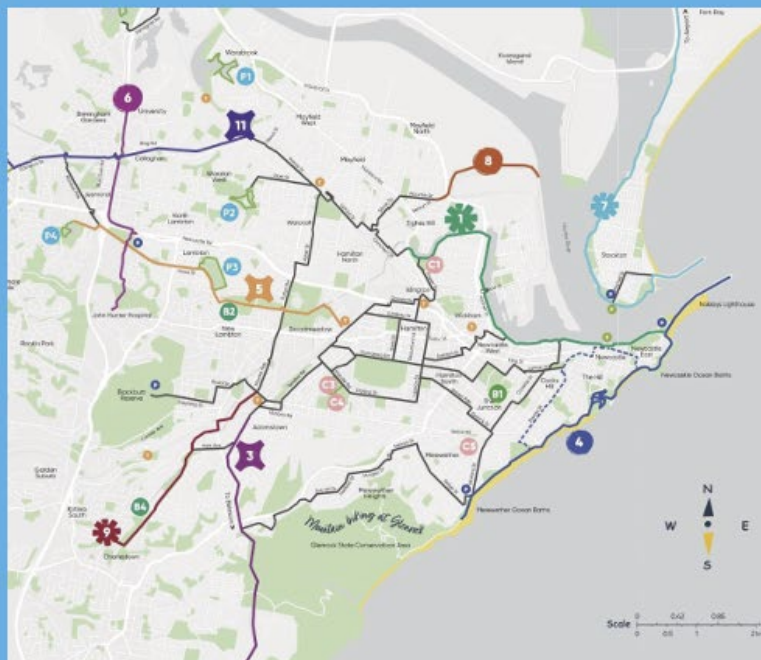
Cycling

Cycling is a healthy, sustainable, and convenient transport option. A shared east-west path runs along the harbour foreshore through Wickham and Throsby Creek, forming part of Cycle Route 6 to the Callaghan Campus. Signposted cycle routes connect the area to the CBD, beaches, Kotara, Glenrock, Fernleigh Track, and Broadmeadow's entertainment precinct.

Bike Hubs and End-of-Trip Facilities

Nihon Campus provides secure bike racks for storage. End-of-trip facilities, including amenities are also available in the courthouse.

City of Newcastle Cycleway Maps:



UNIVERSITY OF
NEWCASTLE



For more information on
cycle routes in Newcastle:

