

Welcome to our program!

As you wait please feel free to do the following:

- Make sure that your microphone is muted.
- If you have any questions or comments, please put them in the chat box.
- We invite everyone to turn their video on so we can have some face time together!

SUSTAINABLE LIVING SERIES

Five virtual lectures discussing sustainability programs and resources here at WashU St. Louis

THURSDAYS
4:30–5:15pm
Central Time

SEP 17 th	Waste
SEP 24 th	Food
OCT 1 st	Energy
OCT 8 th	Campus Tour
OCT 15 th	Transportation

A black and white photograph of a group of people riding bicycles on a paved path lined with trees. The path is wide and appears to be in a park or university setting. Several people are in the foreground, wearing helmets and casual clothing. In the background, more people are visible, some walking and some riding. The overall atmosphere is active and sustainable.

SUSTAINABLE LIVING SERIES

#5 - *Transportation*

Why transportation matters?

Alternative Transportation options at WashU & in STL

Transit & Shuttles
Biking & Scooting
Ride Sharing
Smart driving



Sustainability
Washington University in St. Louis

Who we are



Clara Steyer (she/her)
Sustainability Coordinator
Office of Sustainability
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Brianna Chandler (she/they)
Engagement Specialist at the
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7 full-time sustainability staff
and many more student associates!



Special Guest



Becca Gilberg (she/her)

Alternative Transportation Coordinator (Danforth)

Parking & Transportation Services

rgilberg@wustl.edu

What does Parking & Transportation Services do?

- Manages all parking & transportation on the Danforth campus
 - Bearly Drivers carpool program
 - Occasional Parking Program
 - EV charging
 - Provides WashU Rides commuter platform
- Issues all Metro U-Passes and manages Metro relationship
 - Bike registration
 - Partners on bike programming
 - Shuttle program (9 shuttle routes)
 - And more!



Who are you?

Please respond to the Zoom polls
that show up on your screen
so we can learn who is in the room!



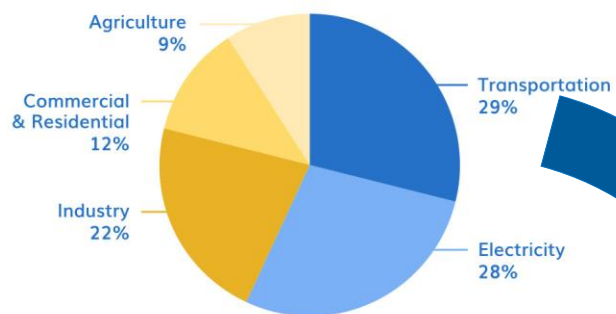
Benefits of Alternative Transportation



Sustainability
Washington University in St. Louis

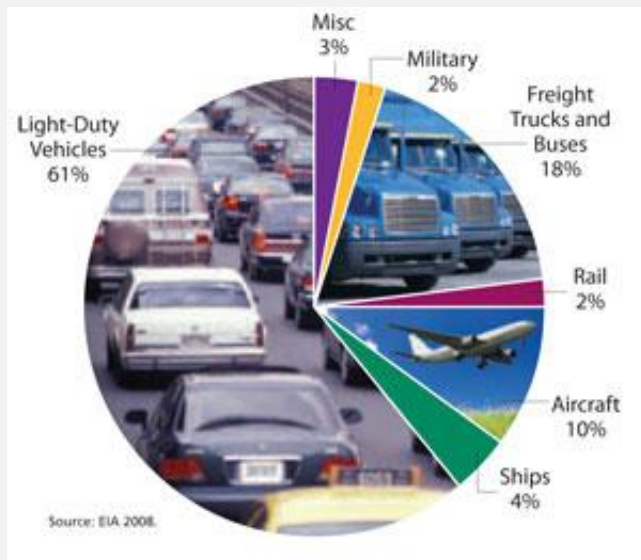
Climate & Emissions

Total US
Greenhouse Gas
Emissions
by Economics
Sector in 2017



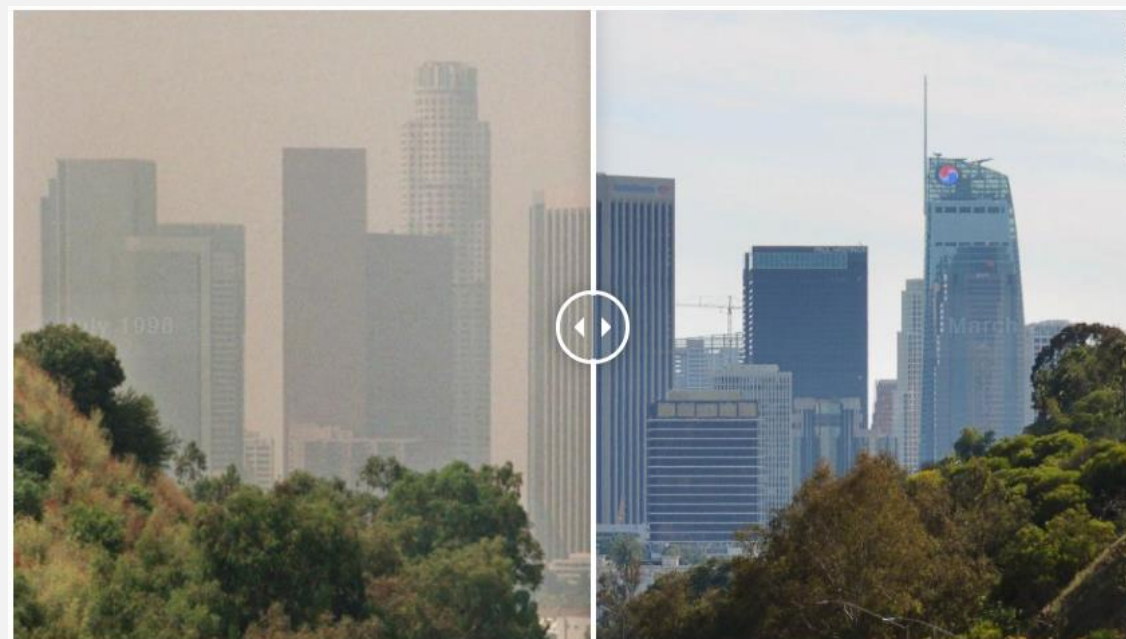
Among top 100 solutions to tackle climate change

- Electric Cars
- Hybrid Cars
- Carpooling
- Public Transit
- Efficient Aviation
- Efficient Trucks
- Efficient Ocean Shipping
- Bicycle Infrastructure
- Walkable Cities
- Electric Bicycles
- High-Speed Rail
- Telepresence
- Electric Trains



Pollution & Public Health

- Smog, soot, poor air quality
- Increased premature deaths
- Recent evidence: High levels of air pollution may be “**one of the most important contributors**” to deaths from Covid-19.



NICK UT/AP, GARY A. VASQUEZ/USA
TODAY/REUTERS

Alt Trans COVID-Safe Tips

Safety tips for:

- Public Transit
- University Shuttles
- Biking & Scooting
- Walking
- Carpooling
- Vanpooling

TIPS FOR COMMUTING SAFELY DURING THE COVID-19 PANDEMIC

For Washington University in St. Louis commuters

As WashU campuses are preparing to gradually and safely re-open in the Fall of 2020, employees and students will be re-assessing their ways to get to and from work. When making commuting decisions, it is critical not only to consider our personal health, but also the one of our community.

While driving alone may seem like the safest option in the short term, personal vehicles are a huge contributor to air pollution, which in turn has been linked to increased COVID-19 deaths due to its impact on the respiratory system. Between carpooling, public transit, and biking, there are plenty of ways you can commute and move around while simultaneously preventing the worsening of our air quality and preserving your personal health.

Below you will find WashU go-to resources as well as safety tips for all alternative transportation modes to inform your new commute selection.

WashU Resources

- Before returning to campus, review the [Return to Campus page](#) on the HR website, which includes the requirements you have to meet in order to return to campus (including taking a one-time online training as well as screenings prior to each day you will be on campus), as well as health and safety guidelines for working on campus.
- The [WashU Together website](#) and the [Medical Campus COVID-19 updates page](#) – outline the plan for the fall semester and provides regular updates on the university's response to the COVID-19 pandemic.
- As both our local and campus transportation systems and programs have had to adjust to the health crisis, visit the [Parking & Transportation Services website](#), which is updated regularly to reflect these changes.

BECAUSE
we are WashU.

because.wustl.edu

#WashUTogether

SAFETY TIPS FOR EACH TRANSPORTATION MODE

Safety tips regardless of your mode

- Maintain physical distancing: Keep a minimum of 6 feet (2 meters) apart from others to slow the spread of germs when possible.
- Wash your hands with soap and water for at least 20 seconds or use hand sanitizer with at least 60% alcohol before you leave and after your reach your destination.
- Avoid touching your eyes, nose, and mouth with unwashed hands.
- Cover your coughs and sneezes with a tissue or use the inside of your elbow. Throw away used tissues, and wash your hands or use hand sanitizer immediately after coughing or sneezing.
- Take extra precautions to avoid injuries while traveling in order to avoid catching COVID-19 during treatment and taking away hospital beds from COVID-19 patients.
- Keep the following items on hand while commuting:
 - Mask or other face covering
 - Hand sanitizer
 - Tissues / paper towels
 - Mobile ticket if taking transit
 - Water and/or snacks so you don't have to stop and buy anything along the way

Safety tips for public transit

- Stay up to date with Metro Transit's latest information. Many transit routes in the St. Louis area have been altered – find information about [St. Louis Metro Transit's service changes, guidelines, and safety precautions here](#).
- Follow signs and regulations: Vehicles may have restricted seating to ensure physical distancing. Be sure to adhere to those guidelines.
- Be flexible and patient: Because of the requirements for physical distancing, you may not be able to ride or board a particular train or bus. Be mindful of that when planning your commute.
- If you don't have a Metro U-Pass, buy your ticket before boarding with Metro Transit's [new mobile ticketing system](#) integrated into the Transit app to avoid any in-person transaction.
- Consider traveling at off-peak hours when there are fewer riders.
- Leave a few seats between yourself and others.
- Avoid touching frequently touched surfaces such as kiosks, restroom surfaces, and handrails.
- Wear a mask or face covering at all times when inside a train, bus, or station.

Safety tips for university shuttles

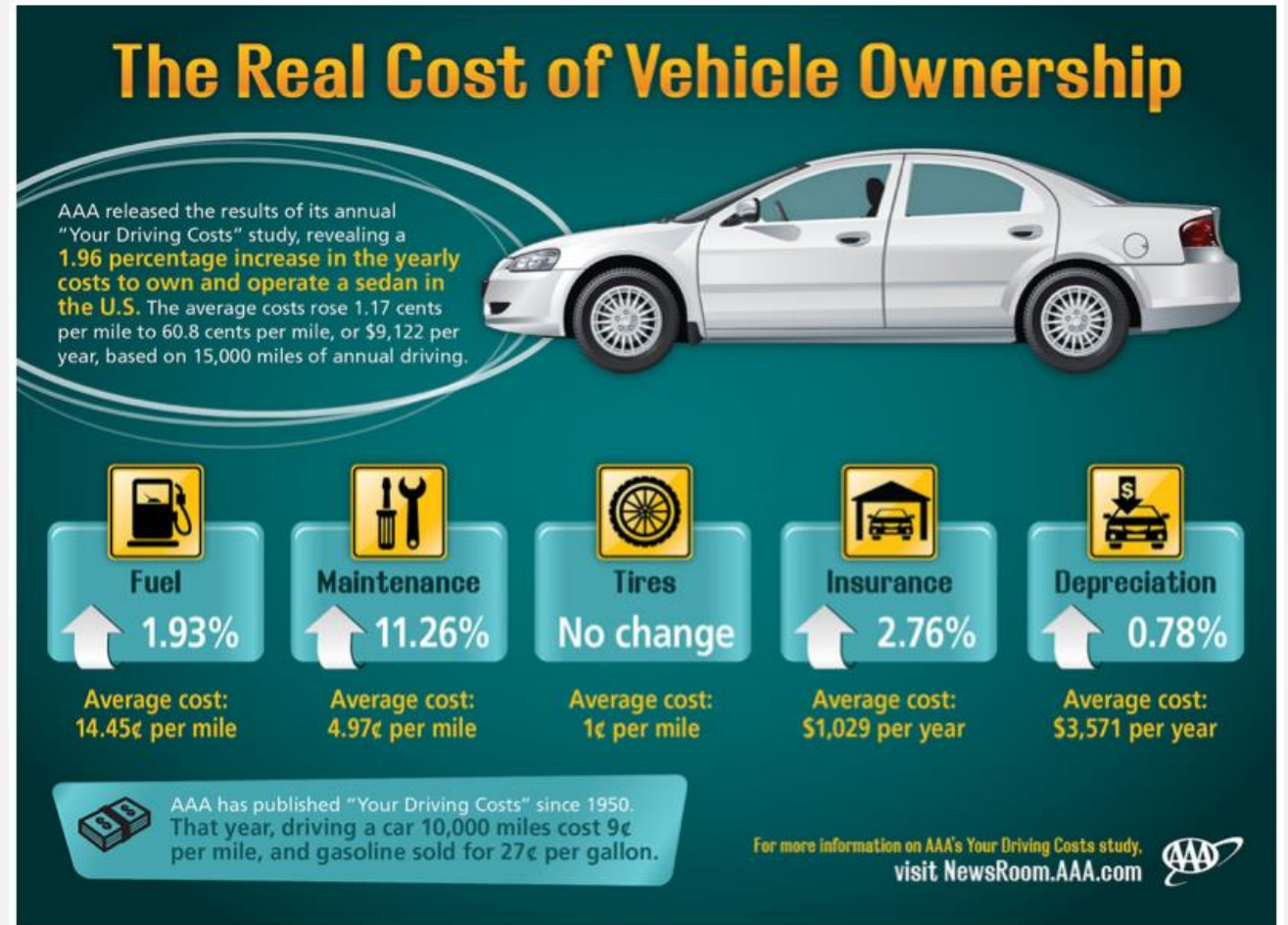
- Stay up to date on any changes to the shuttle operations by visiting Parking & Transportation Services' [COVID-19 Updates webpage](#) for details.
- Follow signs and regulations: Vehicles may have restricted seating to ensure physical distancing. Be sure to adhere to those guidelines.
- Pay attention: If something doesn't look clean or right, ask your driver and bring it to the attention of your supervisor or appropriate contact.
- Plan for delays: Leave additional time in your commute for unexpected delays.
- Avoid touching frequently touched surfaces within the vehicle.
- Wear a mask or face covering at all times when inside the shuttle.

BECAUSE
we are WashU.

Save money!

It all adds up...

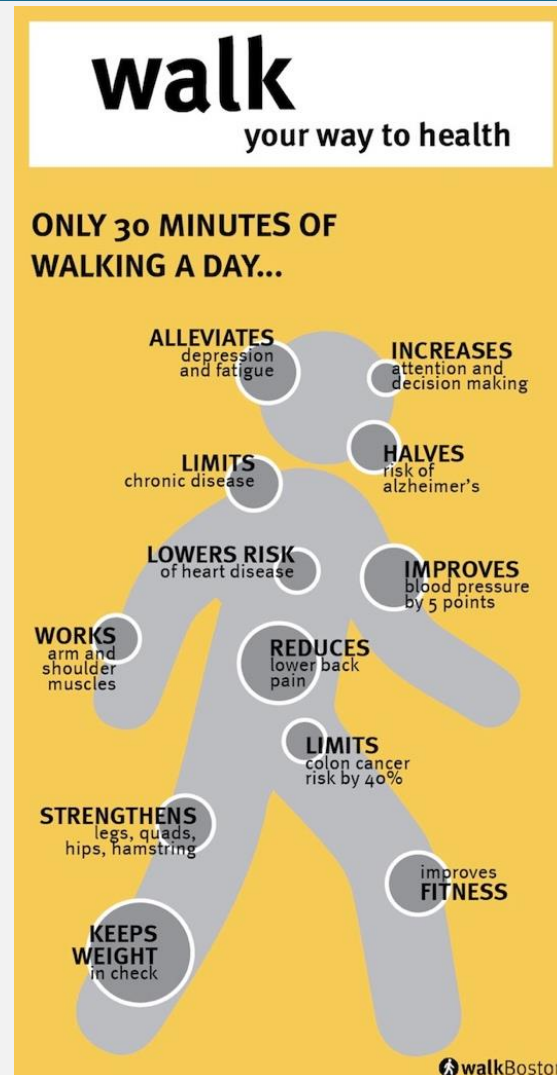
- Parking permit
- \$200-\$1,000+ in gas
- Car depreciation
- Car maintenance
- Low-mileage car insurance
- Carpoolers save on gas and reduce these costs



Source: AAA – Evolution between 2012 and 2013


Personal Health

- Get to campus with more energy & less stress.
- Less driving in traffic = reduced negative health effects of stress.
- Work toward your 150 min of moderate aerobic activity a week.
- Carpoolers tend to rate their commutes as less stressful.
- Traveling by public transportation is much safer per mile than traveling by auto.



Optimize your time!





Alternative Transportation Options at WashU & in STL

TRANSIT



Sustainability
Washington University in St. Louis

Metro Transit

- [FREE U-Pass](#) for benefits-eligible faculty/staff & full-time students.
- Many bus stops across STL.
- 2 train stations on Danforth.
- 1 at Med Campus, North Campus and West Campus.
- [View system maps here.](#)



Metro Transit

Don't live close a Metro stop? No problem!

- Drive to a [Park & Ride](#) lot and ride to campus.
- Bike to a bus/train station. [Learn more here](#).



To bring a bike on a train:

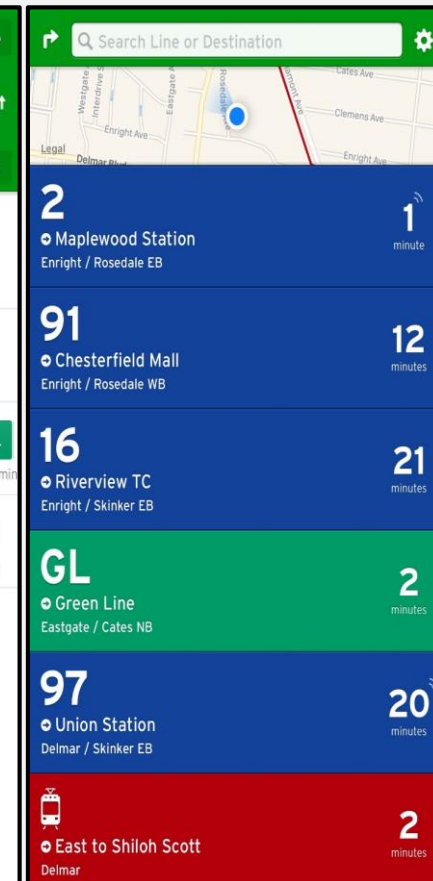
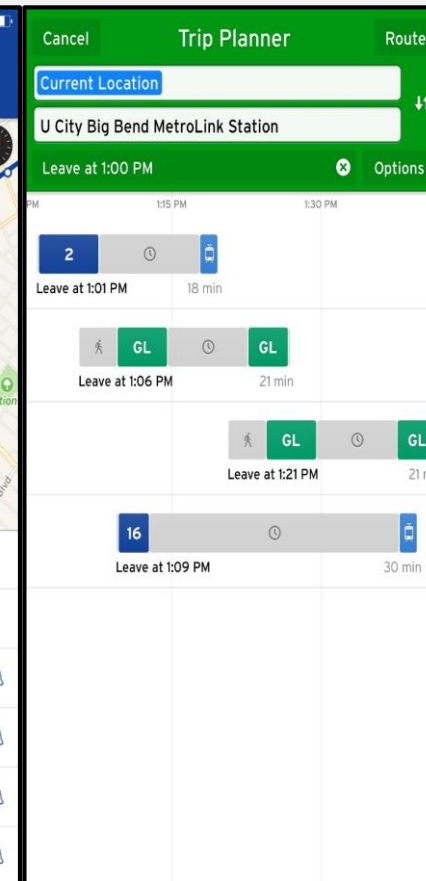
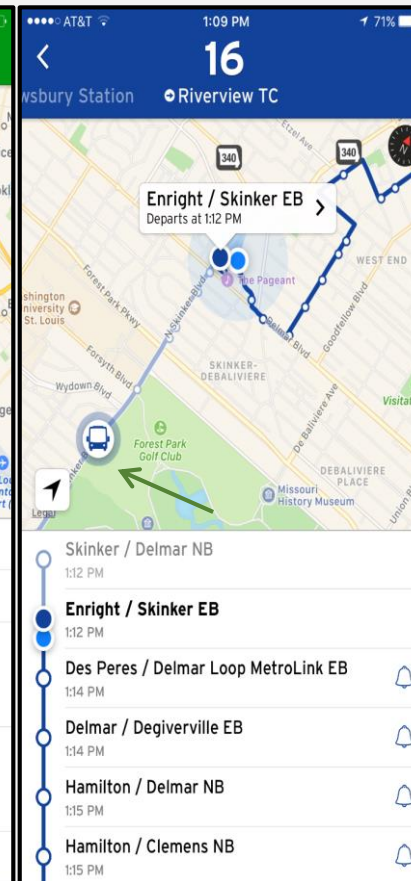
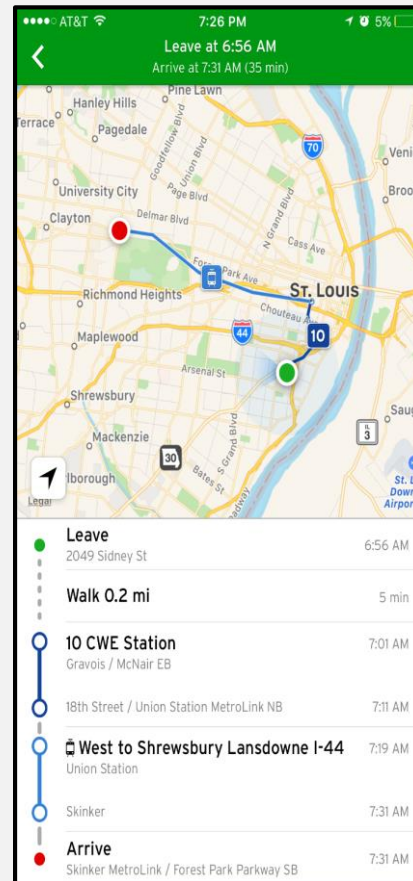
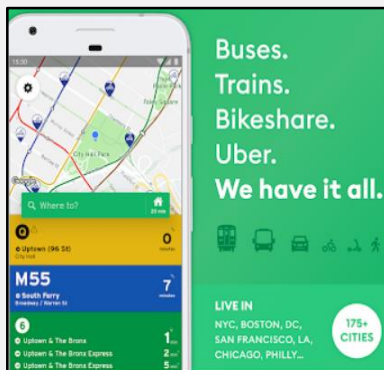
- Wait until all the other passengers have boarded/exited the train.
- Only two bicycles can be accommodated in each area.
- Stand with your bike and don't leave it unattended or put it on its kickstand.





Trip Planning: Transit App

- Launch GO for step-by-step navigation: time to leave, when to change lines, when to get off...
- Service alerts
- Notifications & reminders
- Real-time locations & arrival predictions



The feed below the map shows nearby transit options and countdowns to the next departure, sorted by proximity.



Swipe left/right on any route to view the different directions.



Countdowns followed by waves are real-time predictions based on data from the transit agency. If not, you'll see scheduled times.

TAP ANY ROUTE IN THE LIST TO SHOW MORE OPTIONS

99

City Museum
Spruce / Cwing EB

3 min
23 min
43 min

32

Rock Road Station
Chouteau / Jefferson EB

34 minutes

Bus routes

See vehicle locations in real time, find nearby stops, and receive stop announcements.

Service alerts

Keep on top of schedule changes, stop relocations and other unexpected surprises.

Favorites

Always take the same bus? Move it to the top of the list by adding it to your favorites.

Timetables

View the full schedule for a route and set alarms to remind you to leave.

GO

Tap GO to get step-by-step transit directions and notifications about when to leave for your trip and when to get off.

TRIP PLANNER

→ Compare trips side by side and tap each result for more details.

→ Select your preferred transport modes or minimize walking in your journey by tapping Options.

99

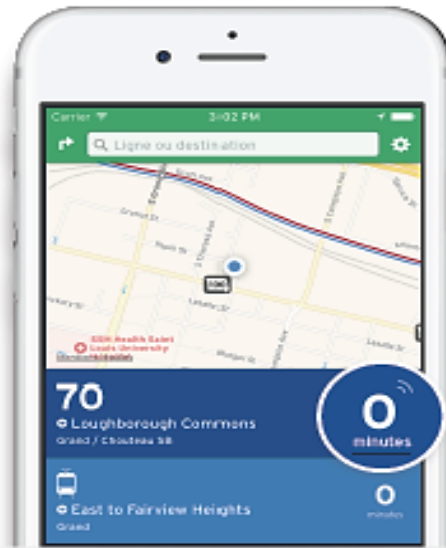
26 min

Leave in 2 minutes

32

23 min

Leave in 8 minutes



[Read the FAQ](#) to learn more!

Buses. Trains. Bikeshare. Uber. We have it all.

LIVE IN

NYC, BOSTON, DC,
SAN FRANCISCO, LA,
CHICAGO, PHILLY...

175+ CITIES

MetroBus Tips

- Use the Transit app to find your best route and the exact location of the bus stop.
- Get to your stop at least 5 mins early & give yourself extra time in case the bus is late.
- Make sure the sign above the windshield or by the door shows both your route number AND destination.
- Swipe U-Pass through the card reader when getting on the bus & show WashU ID.
- To request a stop, pull cord along the windows.



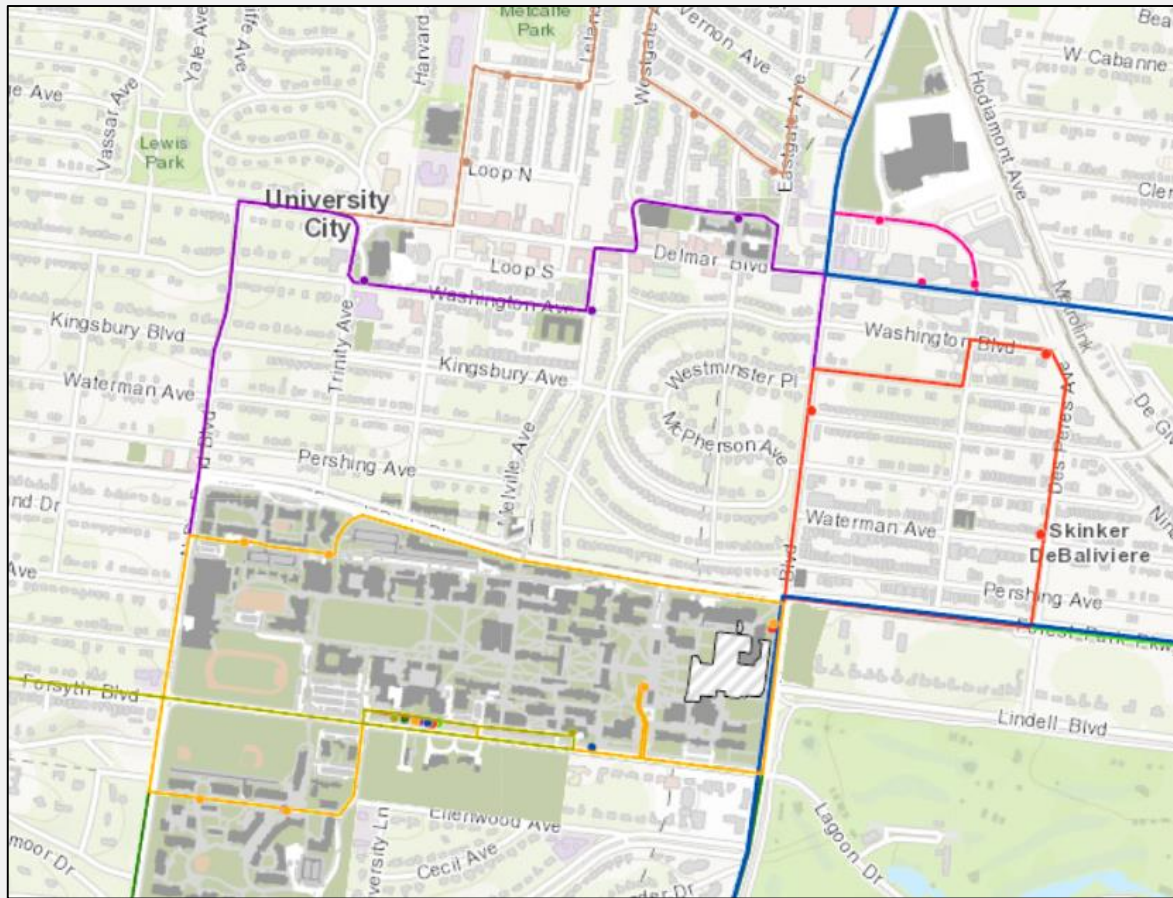
MetroLink Tips

- Enter/exit MetroLink directly on the Danforth Campus.
 - Sinker: Follow signs to WashU to go under Forest Park Pkwy.
 - U-City/Big Bend
- Make sure you're on the correct side of the platform by looking at the signs (e.g., Fairview Heights vs Shrewsbury).
- Check the line (Red vs Blue) & direction (e.g., Shrewsbury vs Fairview Heights) on the train's front & sides.
- Use Metro in bad weather – it's easier & safer!



Danforth Shuttles

Interactive map

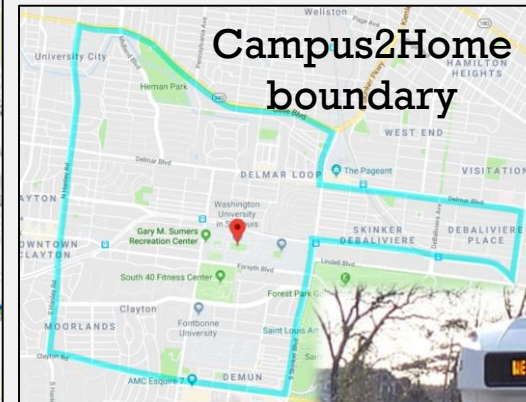


[View the entire interactive map here.](#)

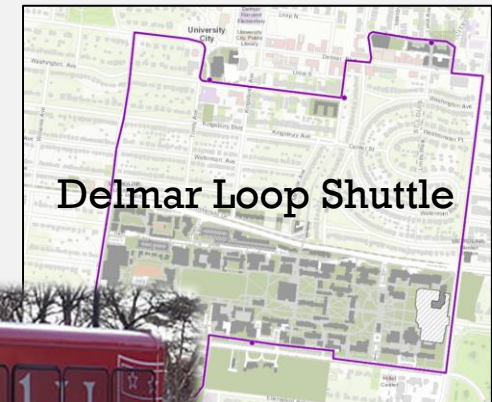
Visit the [shuttle page](#) to view maps of each (9 shuttle routes)



DeBaliviere Place Shuttle



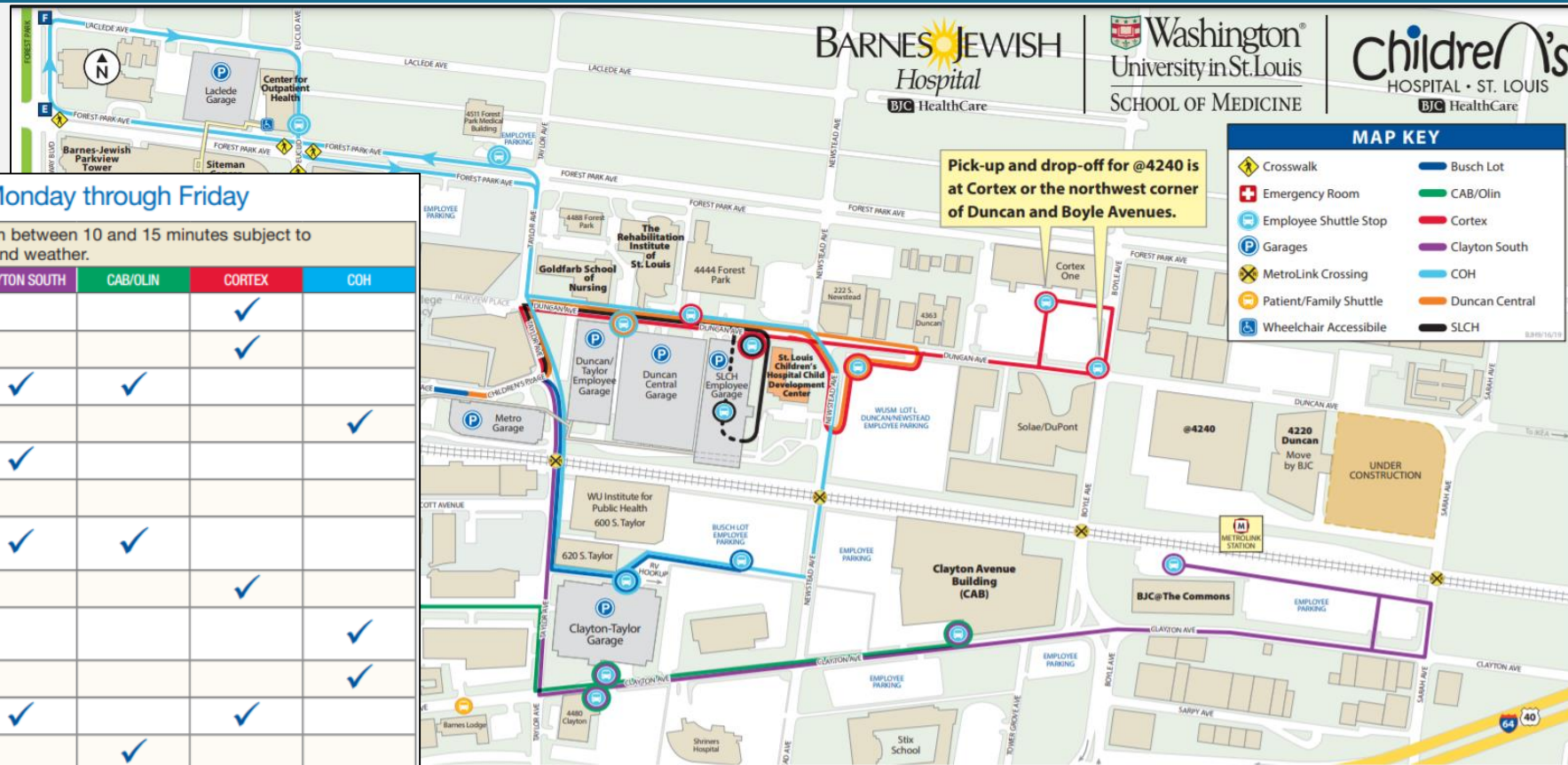
Campus2Home
boundary



Delmar Loop Shuttle




School of Medicine Shuttle Map



Employee Shuttle Information – All routes are Monday through Friday

SHUTTLE STOPS	ROUTES						
	SLCH	DUNCAN CENTRAL	BUSCH LOT	CLAYTON SOUTH	CAB/OLIN	CORTEX	COH
@4240						✓	
4444 Forest Park Ave.						✓	
4480 Clayton Ave.				✓	✓		
4511 Forest Park Ave.							✓
BJC @ The Commons				✓			
Busch Lot			✓				
Clayton Avenue Building at 4353 Clayton Ave.				✓	✓		
Cortex Building						✓	
Duncan Central and Duncan/Taylor Garages		✓					✓
Center for Outpatient Health (COH)							✓
Mid Campus Center	✓	✓	✓	✓		✓	
Olin Hall (on McKinley Ave.)					✓		
St. Louis Children's Employee Garage	✓					✓ <i>On NE corner outside garage</i>	
WUSM Clayton-Taylor Garage at 4485 Clayton Ave			✓ <i>On Busch Lot</i>	✓	✓		✓ <i>On Busch Lot</i>
WUSM Duncan Newstead Lot (Lot L)		✓				✓	

[Learn more about School of Medicine shuttles here.](#)



Alternative Transportation Options at WashU & in STL

BIKING



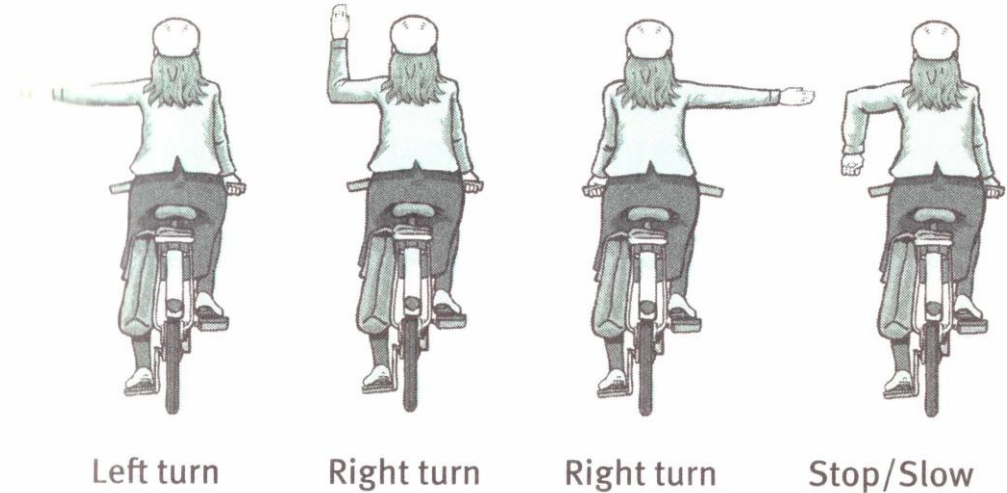
Sustainability
Washington University in St. Louis

Biking: WashU Policy

Basic Rules

- Always yield to pedestrians; they have the right-of-way.
- Keep right and pass on the left. Give an audible signal before passing.
- Bikes should always be parked upright at bike racks.
- Bikes must obey all traffic laws.
- After sunset, bike must have headlight, rear reflector & reflective material.
- Riders cannot use earbuds or headphones on/in both ears.

WashU adopted a bike policy to “reduce hazards & create a safe, enjoyable environment for all individuals on campus”



What motorists should know

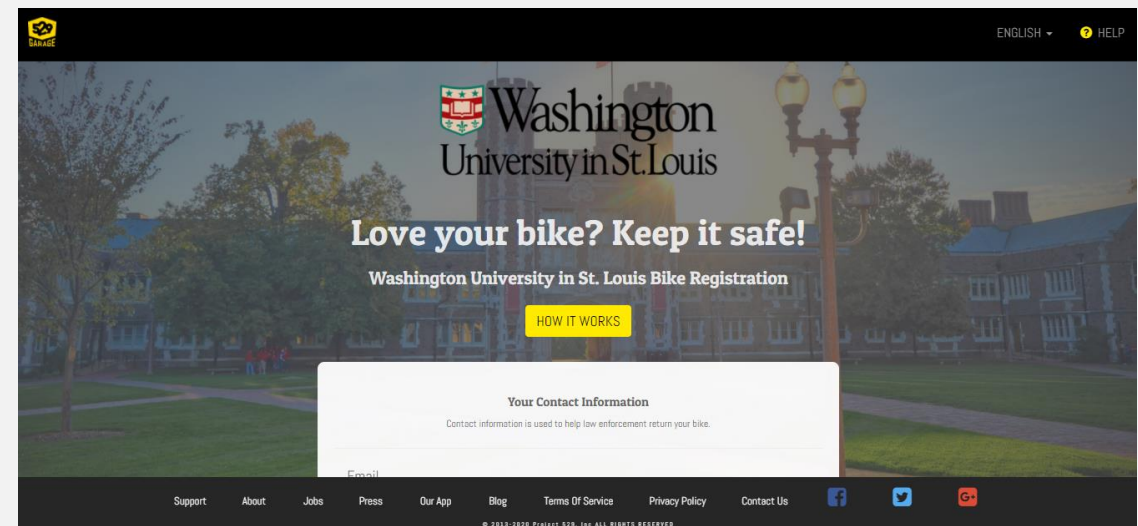
By the MO Bicycle & Pedestrian Federation

1. Please be patient. Cyclists are not trying to slow you down. They have somewhere to go, too.
2. Minimize your distractions.
3. Don't squeeze cyclists. Wait until you have room to pass, giving the cyclist at least three feet of clearance. It will only take a minute or two.
4. Bicyclists pay taxes, too. They have a right to the road.
5. Remember, cyclists are taking up one less parking space and one less place in line at the gas station.
6. Watch out not to “door” cyclists when exiting your car.



Free Bike Registration

- Protect your bike by listing it in a national database:
 - Serves as a theft deterrent.
 - Increases chances retrieving stolen bikes.
 - Assists law enforcement in the identification and recovery of lost/stolen bikes.
- Allows WashU to contact owners of impounded bikes
- Register through [Parking & Transportation Services](#) or at Project529.com/washu



Bike Gears

- \$25 Kryptonite U-Lock from WUPD.
- \$20 helmet from [Bears Bikes](#).
- Free lights and bell courtesy of The Office of Sustainability and Parking & Transportation Services
- Bike Parts vending machine in the Active Commuter Hub (temporarily closed during the pandemic)



Amenities & Infrastructure

- Danforth's [Active Commuter Hub](#) offers members a place to shower, change, store their commute clothes and get ready for the day.
- 6 campus bike repair stations for basic bike maintenance/repairs. View the [repair guide here](#).





2.5 miles of on-campus bike lanes

4 miles of on-campus shared and separated paths

3,816 bike parking spaces

5 bike repair stations

1 hub & **1** bike shop



Local Resources

Outreach, education, advocacy

- [Great Rivers Greenway](#)
- [Trailnet](#)
- City of St. Louis [interactive bike map](#) with street routes and greenway projects.
- [MO Bicycle & Pedestrian Federation](#)'s skills & safety
- [East-West Gateway Council of Governments](#)
- [Bicycle Benefits](#)

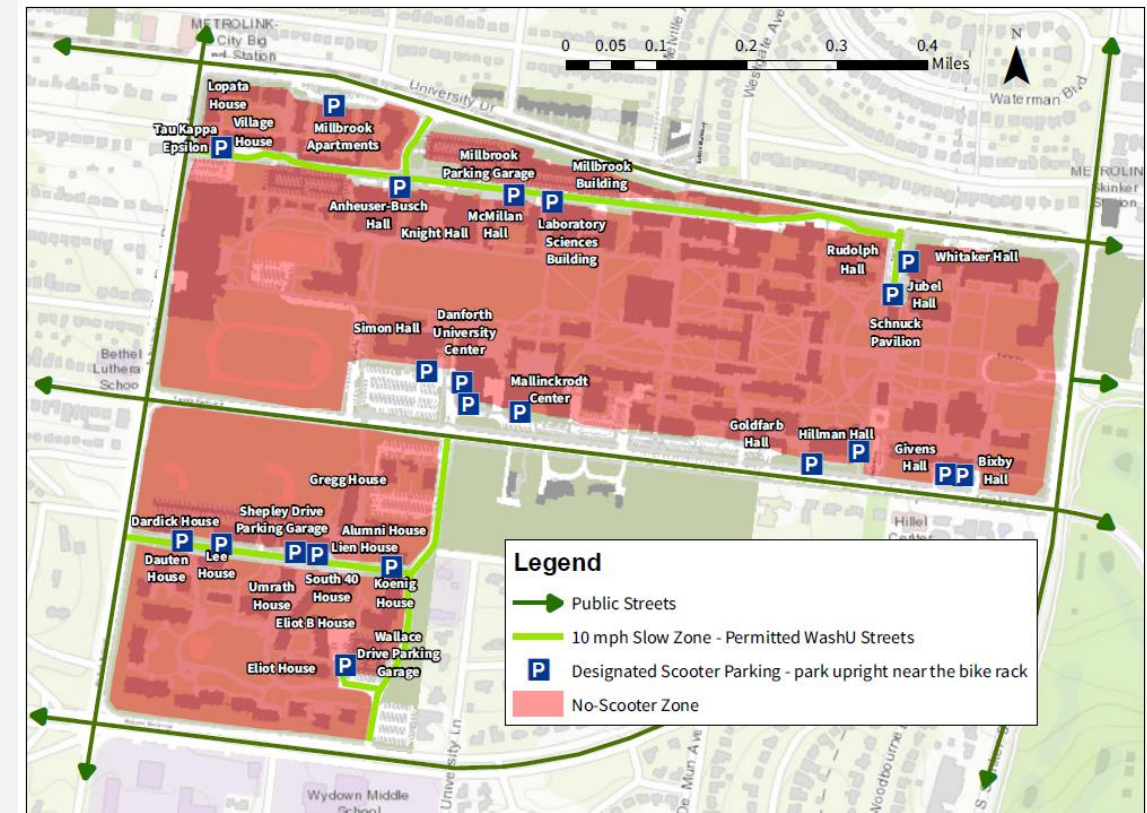


Bike shops


- [Big Shark Bicycle Co.:](#) sells bikes & gear, performs repairs, hosts group rides and annual race.
- [Cursed Bikes and Coffee:](#) bike shop and coffee shop. Sells & rents bikes, performs repairs by apt.
- [Velofix mobile bike shop.](#) Sells bikes and gear and performs repair services out of a van by apt.
- [St. Louis B-Works:](#) bike shop and community center focused on refurbished and second hand items.

E-Scooters

- 3 scooter-share operators in St. Louis: Lime, Bird, and Spin.
- In 2019, WashU adopted a “Electric Scooters & Other Motorized Transportation Devices Policy”



Electric scooters may never be left on sidewalks, pathways, stairs, ramps, or anywhere else that could obstruct pedestrian or vehicular traffic or access for those with a disability.



Alternative Transportation Options at WashU & in STL

RIDE SHARE



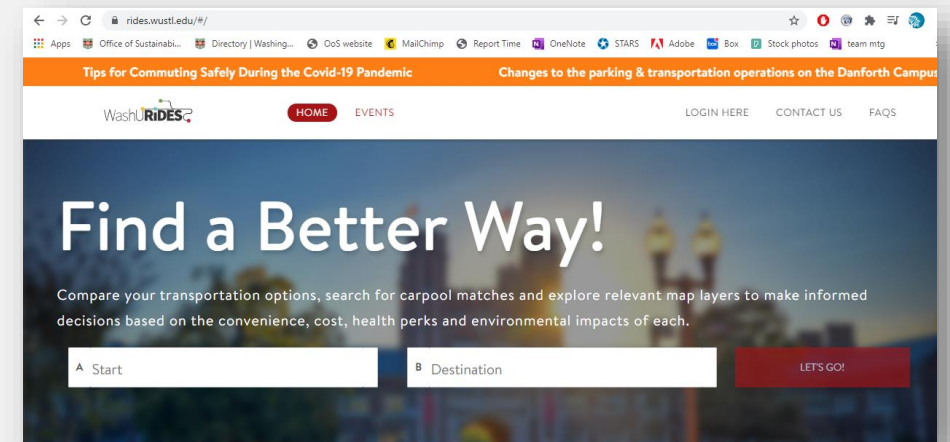
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Washington University in St. Louis

WashU Rides Commuter Platform

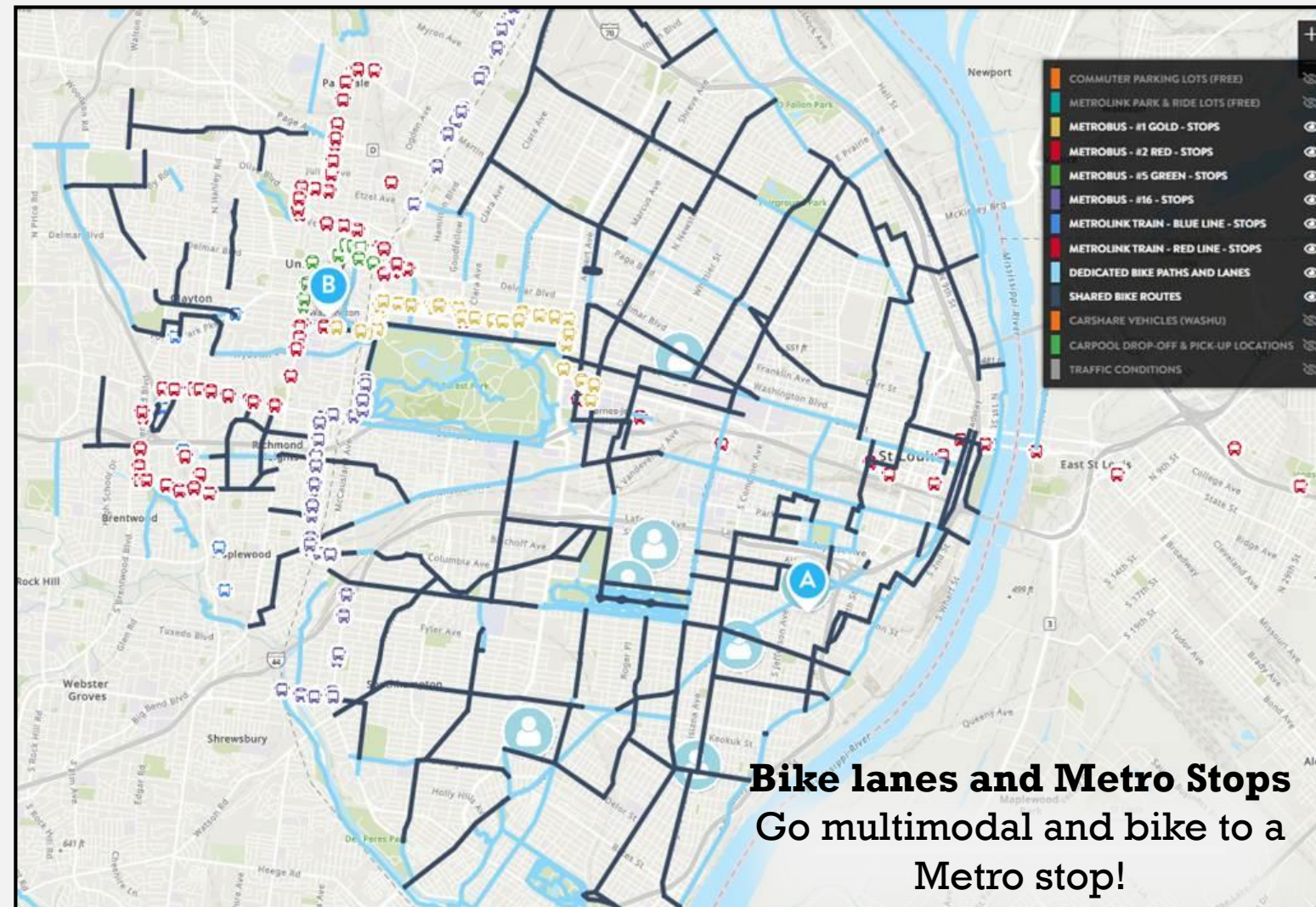
- Form a WashU carpool or bikepool – either a one-time trip or ongoing commute – by connecting with other users with similar schedules along your route.
 - Although you may not find a match at first, more options will become available as more people join.
- Explore and compare your commute options so you can identify the most convenient, economical, and sustainable options.
- The interactive map lets you view transportation-related items like commuter parking lots, bike lanes, transit stops, and more.
- Log your trips to track how much money and CO2 you've saved, how many calories you've burned and how many non-single occupancy vehicle miles you've traveled. This will also be used to win prizes!



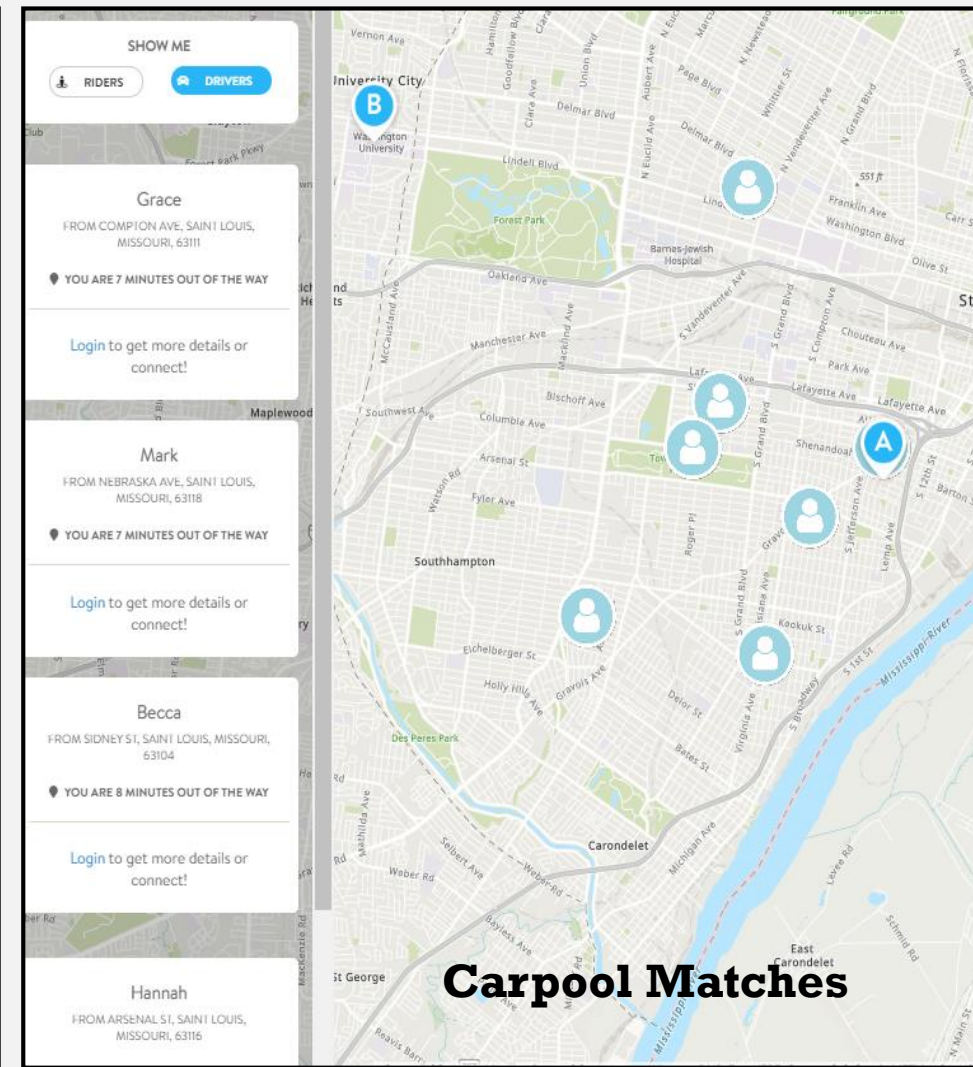
[Learn more and sign up here.](#)
Please help spread the word!



WashU Rides Features



Bike lanes and Metro Stops
Go multimodal and bike to a
Metro stop!



Bearly Drivers Permit

Permit Benefits

- Discounted permit for permanent, full-time Danforth faculty & staff.
- Get designated parking spaces that are reserved for Bearly Drivers permit holders and are in convenient locations, usually similar to red permit locations.
- Free enrollment in the Guaranteed Ride Home program to help in the case of an emergency.

Why Carpool?

- Reduced carbon emissions.
- Save money on a permit and by sharing commuting costs.
- Reduced wear & tear on your vehicle as well as reduced vehicle maintenance.
- Carpoolers tend to rate their commute as more enjoyable.
- Get VIP parking on campus!



[Learn more and sign up here.](#)

Guaranteed Ride Home

Employees can get a ride home in the case of an emergency.

- [Citizens for Modern Transit](#) (Metro, walking & biking)
 - Reimburses 80% up to \$60.
- [RideFinders](#) (Bearly Drivers carpool members):
 - Covers 100% up to \$125.
- Up to 4 rides per year.
- Register for free online.




Taking MetroLink, MetroBus, biking or walking to work?

**MAKE SURE
YOUR RIDE IS
GUARANTEED**

A photograph of a man in a white shirt sitting on a train, working on a laptop. The train's interior and windows are visible in the background.

www.cmt-stl.org

CITIZENS FOR
MODERN TRANSIT
MAKING TRANSIT A PRIORITY

The background image shows an outdoor EV charging station at Washington University in St. Louis. A silver Leviton charging station is situated in a landscaped area with green grass, yellow flowers, and trees. Two white signs with black text are placed on either side of the station. The signs specify regulations for EV charging, including parking permits, active charging requirements, and a 4-hour time limit. Violators are warned of immediate ticketing and towing. The station is monitored by CCTV. In the background, a white pickup truck is parked, and a large, historic-style building is visible under a clear blue sky.

Alternative Transportation Options at WashU & in STL

SMART DRIVING



Sustainability
Washington University in St. Louis

Electric Vehicles

Why drive an electric vehicle?

- Transportation accounts for $\frac{3}{4}$ of the total US petroleum consumption.
- EVs have better fuel efficiency and lower fuel costs.
- EVs have a lot less moving parts than a traditional vehicle so they require a lot less maintenance.
- They have significantly lower emissions than traditional vehicles.

All stations have a 4-hour charging limit to ensure everyone can have an opportunity to charge.

ChargePoint stations:

- 1 at Hillman (surface lot)
- 1 in Millbrook Garage (level 3)
- 4 in the East End Garage (P1 and P2)

Create a ChargePoint account and download the ChargePoint app.

110-volt outlets at reserved parking spaces:

- 2 spaces at North Campus (north lot)
- 2 spaces in Snow Way Garage (level 1)
- 2 spaces in West Campus Garage
- DUC Garage has 4 unreserved outlets on every level



—chargepoint—

[ChargePoint support & FAQ](#)



Occasional Parking

- Available to Danforth faculty/staff, graduate students and Basic Service Contractors who don't have another permit besides a motorcycle permit.
- Provides a limited amount of parking for those who only occasionally park on campus.
 - Up to 480 hours based on increments of 2 hours.
- You pay for your parking session when you leave the garage; it will calculate your reduced rate based on the time you parked between 7 am and 5 pm, Monday-Friday.
- The permit is tied to your assigned zone and is valid in the visitor spaces in your zone's garage(s).
- \$15 membership fee.
- Parking & Transportation will reward the use of sustainable commuting by issuing a \$15 check at the end of the permit cycle for those who held an OPP permit throughout the permit year (Aug 1-July 31) and used less than 121 hours during that time.

Hours Parked	Amount Owed
0-2	\$1
2-4	\$2
4-6	\$3
6+	\$5

[Learn more here.](#)

Car Rental

Enterprise has suspended the Enterprise CarShare service for the foreseeable future due to Covid-19. In lieu of CarShare, Enterprise is offering a special daily rental discount to WashU students and employees.

- \$35/day for up to a full-size car.
- Renters can be 18+ years old.
- Free pick-up and drop-off service to Rent-A-Car branches.
- Guaranteed vehicle if you book a reservation 24 hours ahead.
- Rental includes Roadside Assistance and a collision damage waiver:
 - Collision damage waiver covers damage to the rental car only, not damage to other vehicles.
 - Renters 21-years-old and up can add liability insurance for \$15/day, but renters 18-20 years old will need to secure their own liability insurance if they'd like insurance that covers damages to other vehicles and bodily injury liability.



[Learn more here.](#)

Reservations must be made through the [WashU link.](#)

Energy Efficient Driving

- Avoid idling.
- Measure your tire pressure every month (under-inflated tires can increase fuel consumption and reduce the life of your tires).
- Don't carry unnecessary weight – the less it weighs, the less fuel you'll use.
- Use air conditioning sparingly; it can increase fuel consumption as much as 20%.
- Use your vehicle's fuel consumption display (MPG) and track your consumption.
- Accelerate gently, avoid high speeds, maintain a steady speed (use cruise control if you have it), coast to decelerate to not waste your forward momentum.
- Combine your trips/errands & plan around rush-hour traffic.



[Take a 25 minute course to learn how to save up to 25% in fuel costs.](#)

Danforth Commute Consultation

100% tailored to YOUR needs & preferences.

Learn which mix of alternative transportation options could work best for you.

Learn tips on how to make the most of each option.

Parking questions:

parktrans@wustl.edu

314-935-5601



Becca Gilberg

Alternative Transportation
Coordinator

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