Rice Shuttle Routes 2019

The Rice Transportation Department provides shuttle service on most routes year-round to students, faculty, staff, and visitors.

1. Inner Loop
2. Greater Loop
3. Rice Village Apartments/Greenbriar
4. Graduate Apartments
5. BRC Express
6. Texas Medical Center/BRC
7. Rice Village
8. Graduate Shopping
9. Undergraduate Shopping

9 Routes | 17 Buses
Shuttle Ridership Analysis: 2010-2018

- Based on Calendar Year data
- New ridership tracking platform, Ride Systems, introduced in March 2016, provided more accurate daily ridership estimates
Night Escort

- Ridership from 2017 to 2018 rose over 5%.
- The Ride Systems app allows users to easily request a Night Escort ride. Notifications are directly sent to the driver.
- In 2014, service increased to 7 days a week, positively impacting ridership.
Charter Service

Charter Service Ridership

Common pick-up and drop-off locations include Bush Intercontinental Airport, Hobby Airport, and various campus buildings.
The Next 10 Years: Fleet Electrification

As electric bus technology advances and competitive pricing becomes available, Rice will be considering how to incorporate electric buses into the transportation fleet.
METRO’s autonomous electric shuttle pilot at TSU is testing to see if this is a good solution for first and last mile connections to METRO services. Rice staff visited their campus to experience it firsthand.
Electric Vehicle Charging Stations

10 EV Charging Stations (2 ADA-compliant) in Entrance 3 Garage

Photo credit: Lisa Lin
Envision Solar’s EV ARC

- Solar-powered EV charging station
- Transportable, deployed in minutes
- Does not reduce parking
- Emergency power
Houston BCycle

8 BCycle Stations at Rice University

Houston BCycle Station Network:
99 stations + 635 bikes
Rice BCycle Stations
Ranked by Utilization
September 2018-August 2019

<table>
<thead>
<tr>
<th>Rice B-Station</th>
<th>Number of Checkouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>RVA</td>
<td>3011</td>
</tr>
<tr>
<td>West Lot</td>
<td>2199</td>
</tr>
<tr>
<td>BRC</td>
<td>2196</td>
</tr>
<tr>
<td>Rec Center</td>
<td>2178</td>
</tr>
<tr>
<td>Duncan Hall</td>
<td>2126</td>
</tr>
<tr>
<td>South Servery</td>
<td>1662</td>
</tr>
<tr>
<td>Greenbriar</td>
<td>1293</td>
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<tr>
<td>COB</td>
<td>1187</td>
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<tr>
<td>TOTAL</td>
<td>15852</td>
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Source: Houston BCycle
Rice BCycle Utilization by Month
Rides Originating and Terminating on Campus
September 2018-August 2019

Source: Houston BCycle
BCycle Electric Bike Demo

• Houston BCycle is piloting e-bikes in their bike share fleet

• Rice TDM hosted an e-bike demo at the RMC on September 17, 2019

• Employees and students test rode the e-bike around campus
Carshare

Historical Utilization of Zipcar at Rice University
May 2012-December 2018

Average utilization: 25.63%

Source: Zipcar
Comparison of Zipcar Utilization by Location and Time of Week
January 2018-December 2018

Average Utilization Rate in 2018 by Location

<table>
<thead>
<tr>
<th>Location</th>
<th>Mudd Building (M-F)</th>
<th>Mudd Building (S-S)</th>
<th>RGA (M-F)</th>
<th>RGA (S-S)</th>
<th>Entrance 3 Garage/COB (M-F)</th>
<th>Entrance 3 Garage/COB (S-S)</th>
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<tbody>
<tr>
<td>Mudd Building (M-F)</td>
<td>23.19%</td>
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<td>Mudd Building (S-S)</td>
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<td>37.71%</td>
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<td>RGA (M-F)</td>
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<td>20.97%</td>
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<td>RGA (S-S)</td>
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<td>35.57%</td>
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Source: Zipcar
Rice Parking, Transportation, and TDM Team
At Your Service