



University : UzSWLU  
Country : Uzbekistan  
Web Address : <https://www.uzswlu.uz/en>

## [5] Transportation (TR)

### [5.16] Pedestrian Path Policy on Campus

Uzbekistan State University of World Languages (UzSWLU) has developed one of the most comprehensive pedestrian networks among higher education institutions in Uzbekistan.

The system connects all major campuses — the Main Campus in Uchtepa district, the Zakovat Educational Complex, the Russian Philology Faculty Campus, and the Student Residence Zone — into a unified, walkable, and environmentally sustainable infrastructure.

This development reflects the goals of the *Green Mobility and Accessibility Policy (Order No. 16/2024)* and the *Smart and Sustainable Campus Master Plan (2023–2030)*. The initiative ensures that the entire university territory is accessible, safe, and enjoyable for pedestrians, promoting active lifestyles and reducing motorized traffic emissions.

Over the past three years, UzSWLU has invested in transforming its outdoor environment — replacing vehicle-dominated spaces with green, shaded pedestrian boulevards that enhance both sustainability and campus aesthetics.

## 1. Pedestrian Network Overview

| Indicator                    | 2022   | 2025          | Change                        | Description            |
|------------------------------|--------|---------------|-------------------------------|------------------------|
| Total pedestrian path length | 3.8 km | <b>6.8 km</b> | +79 %                         | Across 4 main campuses |
| LED-lit walkways             | 70 %   | <b>92 %</b>   | +22 %                         | Solar-powered lamps    |
| Accessibility compliance     | 85 %   | <b>100 %</b>  | Full universal design         |                        |
| Tree-shaded corridors        | 60 %   | <b>90 %</b>   | Cooling and shading function  |                        |
| Car-free zones               | 62 %   | <b>83 %</b>   | Central pedestrian areas only |                        |

By 2025, nearly 7 km of interconnected pedestrian walkways link every academic, administrative, residential, and recreational building across the university, allowing safe and seamless movement for over 19 000 daily users (students, faculty, and visitors).

## 2. Key Developments and Features (2023–2025)

- 2.5 km of new pedestrian routes constructed between the Main and Zakovat campuses, with eco-paving and drainage channels.
- Green corridors established — tree-lined paths with local species such as chinor, terak, and akatsiya to improve microclimate and carbon absorption.
- Solar-powered LED lights along 90 % of the network ensure energy-efficient night-time safety.
- Permeable paving blocks used for all new paths to absorb rainwater and prevent flooding.
- Tactile paving and wheelchair ramps provide accessibility for individuals with disabilities.
- Benches, waste bins, and water fountains installed at regular intervals to enhance comfort.
- 2.1 km of cycling lanes built parallel to main walkways to promote multimodal mobility.
- Smart cameras and patrol zones integrated into key pedestrian routes to guarantee safety 24/7.



These measures have collectively turned UzSWLU into a model of sustainable and inclusive urban campus design.

### 3. Environmental and Architectural Integration

The university's pedestrian system was developed as part of the *Eco-Landscape and Mobility Integration Project (2023–2025)* led by the Technical Department and the Green Office. The design integrates environmental engineering principles to achieve long-term resilience:

- Eco-materials: all paving blocks are made from recycled concrete and locally sourced stone.
- Water management: rainwater collection channels direct runoff to filtration wells for reuse in irrigation.
- Biodiversity support: over 250 new trees and 400 shrubs planted along paths serve as mini-ecosystems.
- Temperature regulation: tree-shaded paths reduce ground heat by 2–3 °C compared to asphalt.
- Energy efficiency: solar lighting reduced campus electricity use by 17 % in 2024–2025.
- Visual harmony: uniform pavement design and landscaping create a calm, academic atmosphere that encourages outdoor learning.

### 4. Accessibility and Inclusivity

UzSWLU is one of the few universities in Uzbekistan where the entire campus is universally accessible.

The pedestrian paths are designed to meet international standards of inclusive design:

- Barrier-free movement: all entrances and main paths accommodate wheelchair users.
- Tactile navigation lines and auditory crossing signals assist visually impaired users.
- Gentle slope gradients facilitate mobility for elderly staff and visitors.
- Resting areas and shaded benches provided every 40–50 meters.
- Bilingual wayfinding signs (Uzbek–English) guide both local and international students.
- Campus security presence ensures pedestrian safety around the clock.

These improvements have transformed UzSWLU into a campus where movement is not only functional but also comfortable, inclusive, and sustainable.

### 5. Maintenance, Monitoring, and User Feedback

The Technical Department and the Green Office jointly manage a continuous maintenance program:

- Monthly inspections ensure all lighting, pavement, and drainage systems function properly.
- Data are logged into the *Smart Campus Maintenance Dashboard (2025)*, which records repair timelines and budget use.
- *Annual Pedestrian Satisfaction Surveys* show a 94 % positive rating, with users citing cleanliness, greenery, and comfort as main advantages.
- Maintenance tasks are planned in collaboration with the *Campus Beautification Committee* to align with seasonal conditions.
- Feedback loops allow staff and students to report issues digitally via the *UzSWLU Green App*.

This structured monitoring guarantees long-term functionality and continuous improvement.

## 6. Environmental and Social Impacts

The pedestrian path expansion has yielded tangible environmental and social benefits:

- Pedestrian-related incidents decreased by 45 % since 2022.
- Active mobility (walking + cycling) increased by 21 %.
- Noise pollution in academic zones decreased by 12 %.
- Local air quality improved due to reduced vehicle circulation (82 % car-free area).
- Social engagement: paths double as spaces for social interaction and cultural activities.
- Health and well-being: regular walking and cycling encourage physical activity, reducing stress among students and employees.
- Educational use: many faculties now hold outdoor seminars and reading sessions in shaded pedestrian areas.

Thus, pedestrian paths have become both a sustainability tool and a cultural element of university life.

### Impact on SDGs

- **SDG 3:** Good Health and Well-being – promotes physical activity and stress relief.
- **SDG 10:** Reduced Inequalities – ensures accessibility for all users.
- **SDG 11:** Sustainable Cities and Communities – inclusive urban mobility model.
- **SDG 13:** Climate Action – reduces emissions and mitigates heat.
- **SDG 15:** Life on Land – supports vegetation growth and biodiversity.

**Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):**



