



## Transportation Within the University

Menoufia National University strives to become a green, environmentally friendly university through the adoption of sustainable transportation planning within its campus.

### Introduction

Reaching a green and eco-friendly Egyptian university can be achieved by developing an environmentally friendly infrastructure that meets several standards, including the transportation standard within the university.

Sustainable transport systems inside the campus affect the social, environmental, and economic aspects of users' lives. The university represents a dynamic community where people move daily.

Policies can be set to enhance sustainable urban mobility within the university through the following:

- Reducing overall traffic volume.
- Developing and expanding public transport networks within the university.
- Providing networks for pedestrians and cyclists.
- Reducing car dominance and heavy traffic.
- Managing traffic to reduce continuous vehicle flow.
- Controlling land use for sustainable development and reducing travel distances.

## Strategic Objectives for Transportation at the University

### 1. Rationalizing Energy Use in the Transportation Sector

A sustainable public transportation system within the campus should be adopted by enhancing internal public transport, improving pedestrian walkways, and creating new legislation to reduce car dependency.

Walking and cycling within the campus help reduce pollution from fuel-powered transport, improve physical fitness among students and staff, and foster social interaction.

Cycling can also be used as an incentive for outstanding students and staff, as well as for organizing inter-university sports events.

This saves time for movement across campus and can attract sponsorships for green transport initiatives.

## 2. Expanding Multi-Modal Transportation Systems

### 3. Developing Smart, Environmentally Friendly Transport Systems

The university, in cooperation with the governorate, provides collective and public transportation services (buses) for students, staff, and faculty members to travel to and from the campus, instead of using private cars as individual means of transport.

The university's transportation study aims to expand bus coverage to a wide range of surrounding areas to facilitate movement for students, faculty, and staff.

Bus routes connect major towns and transport hubs such as Shebin El-Kom, Banha, Tanta, and Cairo.

This helps expand the student catchment area and connects bus schedules with main train and public transport lines for easier access.



#### Number of Bicycles Relative to Total Individuals

The university encourages eco-friendly means of transport.

A significant number of university staff members use bicycles as a sustainable mode of transportation within and around the campus, while the others primarily rely on public transport and university buses for their daily commute.



## Transportation Facilities

The traffic study ensures that all transportation requirements are considered in the university's infrastructure design.

A **one-way bus route** has been proposed, including a designated bus gate and a passenger boarding/alighting station within the campus. Parking areas, including surface and basement levels, have been designed according to technical specifications such as height, spacing between columns, lane widths, and turning radii.





## Shuttle Transport Services Within the Campus

Due to the limited area of the campus, internal buses are not necessary.

## Bicycle and Pedestrian Policy Within the Campus

The university adopts the national initiative “**Your Bike, Your Health**”, promoting sports as a lifestyle.

The university is working on providing internal routes designed for both bicycles and pedestrians.





## Transportation Policy to Reduce Car Parking Areas

- Provide suitable on-campus student housing near study areas with necessary services.
- Provide adequate rest areas and housing for faculty members and staff.
- Ensure that most essential services are available within the campus to minimize the need for car trips.
- Offer university buses for staff and faculty instead of private car use.
- Transition existing university vehicles to use natural gas instead of fossil fuels (“Clean Cars, Clean Fuel” concept).

Encourage partnerships with the private sector to provide high-quality, affordable public transport services for university members.

Establish cooperation protocols with local authorities to provide eco-friendly transportation (e.g., “A Bicycle for Every Student” program).

## Digital and Flexible Work & Study Policies

- Promote the use of ICT and wireless communication for meetings and consultations.
- Implement flexible study schedules and remote learning where possible.
- Introduce flexible working hours for staff.
- Adopt hybrid learning systems and e-university services to facilitate access to information.
- Encourage awareness campaigns (media, workshops, lectures, posters, websites) about the importance of sustainable transport.
- Promote **carpooling and car-sharing systems** among students and staff.
- Organize regular awareness seminars about the benefits of green transportation and provide incentives for using it.
- Implement flexible class schedules to avoid peak hours.
- Expand distance learning and remote working systems as feasible.

