

# All about Wentian and China's space station

## China's Space Station

### SHENZHOU Crew capsule/'lifeboat'

Crewed vessel, arrived in June 2022. Transports astronauts.

### WENTIAN Science lab

First experimental module. Hosts space life science research and serves as living quarters.

### MENGTIAN Science lab

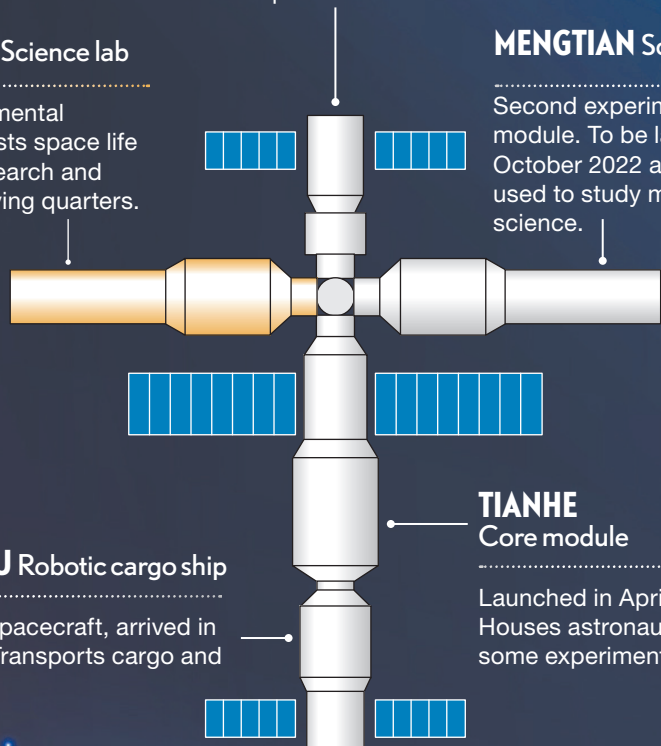
Second experimental module. To be launched in October 2022 and will be used to study microgravity science.

### TIANHE Core module

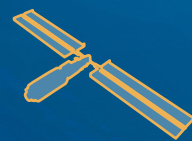
Launched in April 2021. Houses astronauts and some experiments.

### TIANZHOU Robotic cargo ship

Uncrewed spacecraft, arrived in May 2022. Transports cargo and supplies.



## Wentian



- Length: 17.9 meters
- Maximum diameter: 4.2 meters
- Takeoff mass: 23 tons
- Space for taikonauts: 50 cubic meters



### Flexible solar panel wing

Overall wingspan: >55 meters  
Area: >100 square meters  
The longest and largest flexible solar wing in China



### Small robotic arm

Length: 5 meters  
Carrying capacity: 3 tons  
Carries out extravehicular activities



### Airlock cabin

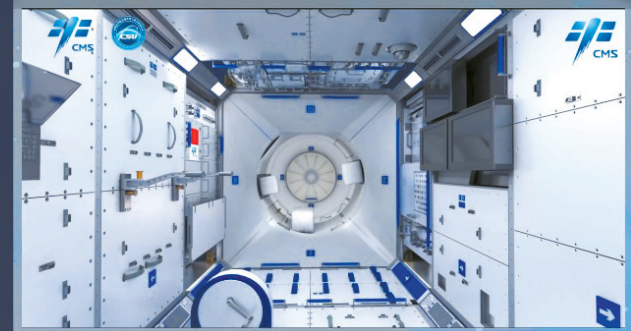
Exit gate

**22**  
Extravehicular load adapters



### Resource cabin

Stores up supplies



### Work cabin

Holds scientific experiments and houses life ecology lab cabinets and biotechnology lab cabinets

**3**   
Sleeping area

**1**   
Bathroom/toilet

