



國立勤益科技大學  
NCUT  
NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY

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Country : Taiwan  
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## [SDG 12] Responsible Consumption and production 責任消費與生產

[12.2.4] Does your university as a body have a policy on waste disposal - To measure the amount of waste sent to landfill and recycled?是否制定了廢物處理政策——衡量送往垃圾填埋場和回收利用的廢物量？

### NCUT's Environmental Commitment: Waste Disposal and Sustainability

National Chin-Yi University of Technology (NCUT) is fully dedicated to responsible waste management and environmental stewardship. The university has implemented a comprehensive **waste disposal policy** rooted in key environmental principles: compliance with laws, pollution prevention, recycling, and continuous improvement. These efforts reflect NCUT's global responsibility to uphold sustainable practices and protect the environment.

### Key Principles of NCUT's Waste Disposal Policy:

#### 1. Compliance with Laws and Regulations:

- NCUT strictly adheres to national and local environmental laws and regulations. The institution ensures that all waste disposal activities meet legal standards, preventing any negative impact on the environment.

#### 2. Pollution Prevention:

- Prevention is at the core of NCUT's approach. The university implements proactive strategies to minimize pollution, including reducing waste generation at the source and promoting eco-friendly technologies.

#### 3. Recycling and Resource Conservation:

- NCUT maintains a robust recycling system, with recycling bins for paper, plastic, glass, metals, and batteries placed in all buildings. Recycling competitions and educational campaigns motivate staff and students to actively participate, ensuring that waste is sorted, collected, and sent to certified recyclers. Proceeds from the recycled materials are reinvested into campus initiatives.

#### 4. Continuous Improvement:

- NCUT is committed to continuously refining its environmental strategies. Through routine inspections and assessments, the university identifies opportunities to improve its waste disposal systems and reduce its ecological footprint.

### Implementation and Responsibility:

#### 1. Regular Inspections:



- The university conducts routine inspections to ensure that its waste disposal systems operate according to established environmental standards.

## 2. Education and Training:

- To build environmental awareness, NCUT offers training programs that equip staff and students with knowledge about proper waste disposal, recycling, and sustainability practices.

## 3. Community Engagement and Service Learning:

- NCUT integrates sustainability into student education. As part of the university's graduation requirement, students must complete 54 hours of service learning, including participating in waste sorting and recycling efforts.

## 4. Collaboration with External Partners:

- For the disposal of hazardous waste, such as toxic chemicals from laboratories, NCUT collaborates with government-approved disposal companies. The university follows stringent reporting protocols to ensure safe and compliant waste management.

## Managing Hazardous and Toxic Waste:

NCUT also follows strict protocols for managing toxic chemical waste produced in its laboratories. Procedures for handling, storing, and disposing of these substances are based on **Standard Operating Procedures (SOPs)**:

- **Real-Time Monitoring:** NCUT uses GPS tracking systems to monitor the movement of waste disposal vehicles, ensuring proper handling from collection to final disposal.
- **External Partnerships:** Toxic waste is transferred to certified companies for safe processing. NCUT submits reports to the Environmental Protection Administration (EPA), ensuring compliance with hazardous waste regulations.

## Sustainability and Environmental Responsibility:

NCUT's **Environmental Policy** further emphasizes the university's role as a responsible global citizen. By committing to these principles, NCUT seeks to foster a sustainable campus and positively impact the planet. This policy includes:

### 1. Resource Recycling and Circular Economy:

- NCUT promotes recycling initiatives to reduce resource consumption, fostering a culture of sustainability. All recyclable items are processed in compliance with government standards, reinforcing the importance of resource conservation.

### 2. Public Awareness and Education:



- By investing in educational programs, NCUT raises environmental awareness among its community. The university aims to instill a sense of responsibility for the environment in all faculty, staff, and students.

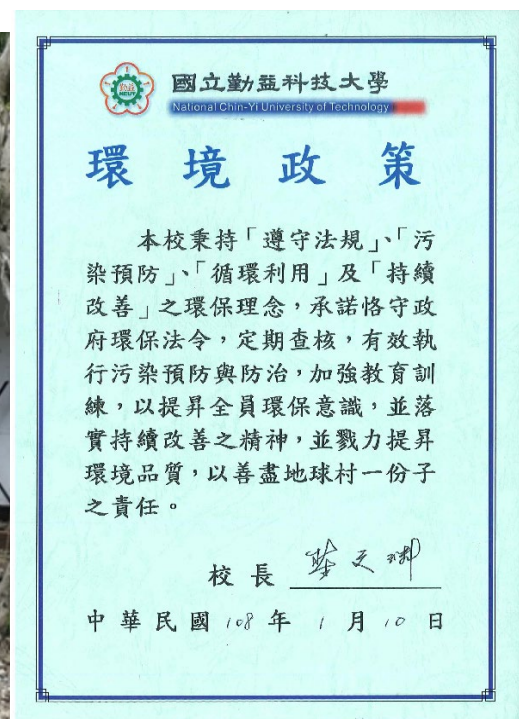
### 3. Global Stewardship:

- NCUT understands its interconnected role in the global community, recognizing that environmental protection extends beyond campus boundaries. The institution strives to set an example in sustainable waste management and environmental care.

NCUT's comprehensive waste disposal and environmental policies demonstrate a deep commitment to sustainability, pollution prevention, and continuous improvement. Through rigorous compliance, proactive pollution control, a robust recycling program, and ongoing education, NCUT is creating a cleaner, greener, and more sustainable environment for future generations. These actions highlight the university's leadership in environmental stewardship and dedication to fulfilling its global responsibilities.

**NCUT has installed a 13.8KW garbage compressor (as shown in the picture)**

**in June 2022 to reduce the number of garbage removals**



## Inorganic waste statistics table

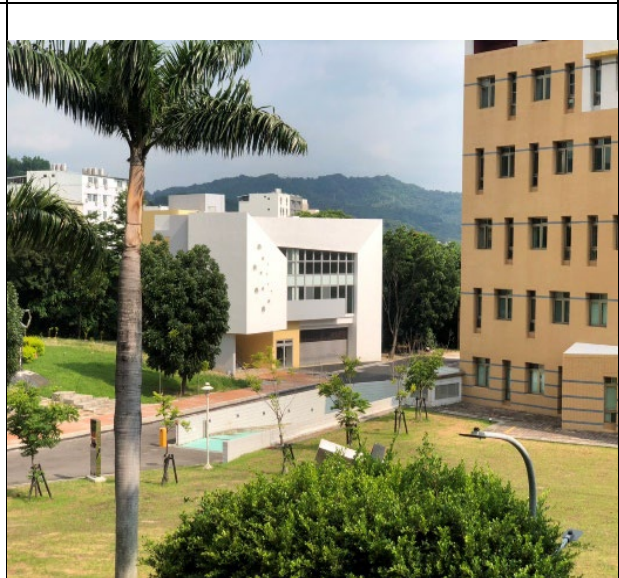
Kg

Item	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Paper	2,470	2668	2390	1647	2085	1780	2738	4102	4456	2869	2598	2481	32284
Iron	614	493	455	417	324	452	276	1059	735	234	277	349	5685
Alumiun	43.4	27.6	54.7	138.2	31	29	40	80	107	103	43	93	789.9
electric wire	93	31	122	157	53	51	0	82	41	5	15	25	675
PET bottle	280	203	407	310	456	365	190	217	384	296	280	326	3714
Plastic (fine)	173	90	149	179	191	168	116	188	208	170	168	199	1999
Plastic (coarse)	150	214	216	120	207	234	178	386	196	110	132	266	2409
Glass	196	141	196	185	142	197	146	139	162	125	191	234	2054
Keyboard	82	84	54	10	48	185	22	52	59	17	47	41	534
Aluminum foil package	308	159	476	216	392	477	139	159	346	454	505	525	4156
Bettary	0	5	3	0	0	5	8	8	28	94	3	5	159
Light tube	4	4	9	15	7	0	29	20	10	18	7	17	140
paper tableware	1243	1235	2070	1741	1913	1141	496	645	783	1145	1189	1332	14933
Plastic tableware	422	284	680	405	534	489	208	237	326	286	171	245	4287
CD	36	22	6	4	0	0	20	49	0	5	3	8	153
Plastic Bag	98	72	53	46	0	52	22	61	66	43	54	108	675
<b>Total</b>	<b>6,212</b>	<b>5732</b>	<b>7340</b>	<b>5590</b>	<b>6383</b>	<b>5625</b>	<b>4628</b>	<b>7484</b>	<b>7907</b>	<b>5974</b>	<b>5683</b>	<b>6254</b>	<b>74646.</b>



### Resource recycling bin

NCUT has established resource recycling bins in every building across the campus, with daily collection of recyclable items by cleaning staff. Additionally, the school regularly counts and recycles inorganic waste, ensuring effective waste management and contributing to environmental sustainability.



NCUT's Resource Recovery Building