University : National Chin-Yi University of Technology
Country : Taiwan
Web Address : www.ncut.edu.tw

[SDGs 17] Partnership for the Goals 全球夥伴

[5.3.4] Does your university as a body encourage applications by women in subjects where they are underrepresented?

NCUT's Efforts to Promote Gender Equality in STEM Education

National Chin-Yi University of Technology (NCUT) is actively promoting gender equality in Science, Technology, Engineering, and Mathematics (STEM) education. Recognizing the global underrepresentation of women in these fields, NCUT aims to foster greater female participation through targeted initiatives, financial incentives, and cross-disciplinary learning opportunities. These efforts align with national policies and reflect NCUT's commitment to creating an inclusive, diverse, and innovative academic environment.

Challenges in Gender Dynamics and STEM Fields

- **Historical Trends at NCUT:** Male students typically dominate engineering and technical fields, while female students often enroll in social science subjects, such as humanities and business.
- **Global and Local Trends:** Across Taiwan and globally, women remain underrepresented in many STEM fields, including agriculture, natural sciences, and engineering. This disparity persists despite higher female participation in areas like health, medicine, and social welfare.

NCUT's Key Initiatives to Encourage Female Participation in STEM

1. Cross-Field Credit Courses and Incentives

- **Policy:** Encourage students to enroll in cross-disciplinary courses from various departments to enhance employability.
- **Incentive:** NCUT offers a **NT$1,000 subsidy per course** for students, with a particular focus on increasing female participation in STEM subjects.
- **Alignment with Ministry of Education:** Support national efforts to reduce gender segregation in academic programs and foster a gender-friendly learning environment.

2. Scholarships for Female Students in Engineering and Electrical Engineering

- **Incentive-Based Scholarships:**
    - As part of the **National Technical College Overall Development Award Subsidy**, NCUT offers scholarships to female students who choose engineering and electrical engineering programs.

- **Merit-Based Scholarships:**
    - Female students who excel in the university entrance examination can receive **NT$10,000** after admission. Top performers in these departments are rewarded to encourage academic excellence in male-dominated fields.

3. Admission Incentives for Female Applicants

- **Extra Admission Points:** Female applicants to engineering and electrical engineering programs receive **additional points** during the admissions process, improving their chances of acceptance.
- **Impact:** This initiative directly addresses gender disparity by giving women better access to opportunities traditionally dominated by men.

4. Support for School Clubs and STEM Projects

- **Extracurricular Engagement:** NCUT encourages female students to join school clubs, participate in STEM projects, and collaborate with local communities.
- **Objective:** These activities aim to build students' technical expertise and deepen their interest in science and technology.

Implementation Strategy and Educational Approach

1. **Active Learning Models:** NCUT incorporates **Problem-Based Learning (PBL)** into its curriculum to engage students in solving real-world industry challenges.
2. **Industry Collaboration:** Students work on **industry-university projects** that focus on precision machinery and smart manufacturing.
3. **Mentorship Programs:** Female students receive guidance to help them succeed in STEM fields and pursue careers in engineering and technology.

Goals and Expected Outcomes

1. Increasing Female Enrollment in STEM Fields

- **Goal:** Boost the number of female students in engineering, electrical engineering, and related STEM fields.
- **Outcome:** A more balanced gender ratio, promoting diversity within NCUT's academic programs.

2. Breaking Gender Stereotypes

- **Objective:** Challenge stereotypes that deter women from pursuing careers in STEM.
- **Outcome:** Shift cultural perceptions, fostering a more inclusive environment for female students.

3. Enhancing Employment Opportunities for Female Graduates

- **Goal:** Equip students with **cross-disciplinary skills** to improve their competitiveness in the job market.
- **Outcome:** Graduates, especially women, are better prepared to excel in high-demand industries, such as precision machinery and smart manufacturing

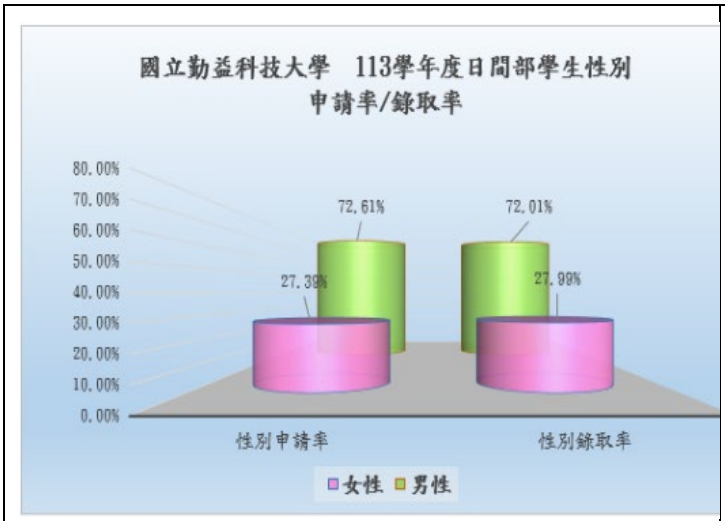
Impact of NCUT's Initiatives

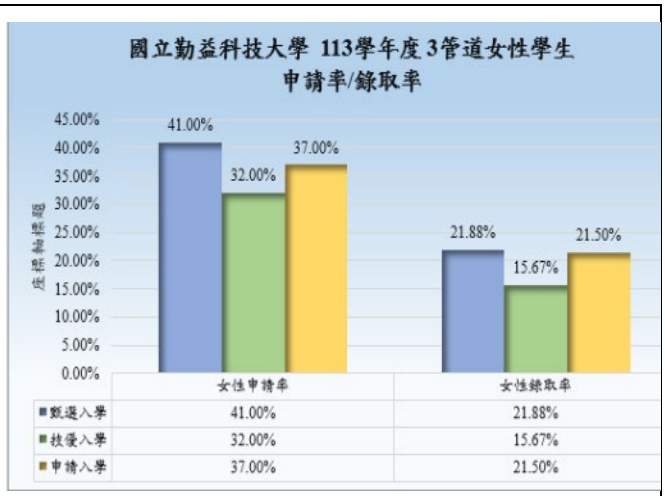
- **Diversity and Innovation:** By increasing female participation, NCUT promotes gender equality and creates a more diverse workforce, driving innovation in STEM industries.
- **Regional and National Impact:** NCUT's efforts align with Taiwan's broader educational goals, contributing to the growth of a competitive and inclusive technology sector.

Future Directions

NCUT will continue refining and expanding its initiatives to ensure sustained progress in gender equality. With scholarships, admission incentives, and industry collaborations, the university aims to attract more female students to STEM fields. These efforts will not only empower women but also enhance the talent pool, contributing to regional and international competitiveness in science and technology.

Through these comprehensive strategies, NCUT demonstrates a firm commitment to promoting gender equality, fostering academic excellence, and preparing students—especially women—for successful careers in STEM.





國立勤益科技大學入學成績優異獎學金實施要點

94.11.11勤技學字第0940001690號函頒
101.06.29勤益科大學字第1011100679號函修頒
101.11.12勤益科大學字第1011101051號函修頒
102.10.07勤益科大學字第1021100756號函修頒
108.01.15勤益科大學字第1081100170號函修頒
109.02.14勤益科大學字第1091100082 號函修頒
110.04.08勤益科大學字第1101100238號修頒
112.01.05勤益科大學字第1121100003號修頒
112.02.02勤益科大學字第1121100073號修頒

一、為獎勵優秀學生就讀本校，特定訂本要點。

二、獎勵對象：本校大學部日間學制學生、研究所碩、博士班一般生及進修部碩士在職專班學生。

三、獎勵條件及金額

(一)大學部

1. 參加當年度技專校院統一入學測驗原始成績優異者：每學制每系成績第一名者，入學後發給獎學金新台幣1萬元整。
符合前述獲獎規定之四年制學生，以本校為第一志願，且其參加當年度技專校院統一入學測驗成績達下列條件者，加發獎學金：
(1)各科原始成績全部在前1%以內者，入學後每學期發給新台幣10萬元整。4學年共8學期，最高請領新台幣80萬元。
(2)各科原始成績全部在前2%以內者，入學後每學期發給新台幣3萬元整。4學年共8學期，最高請領新台幣24萬元。

2. 參加當年度大學學科能力測驗成績優異者：其學科能力測驗採計三科或四科總級分任一項科目組合級分中，每學制每系成績第一名者，入學後發給獎學金新台幣1萬元整，每人限領1次。
符合前述獲獎規定之四年制學生，且其參加當年度大學學科能力測驗成績達下列條件者，加發獎學金：
(1) 採計四科總級分達58級分(含)以上者，或採計三科總級分達44級分(含)以上者，入學後每學期發給新台幣30萬元整，4學年共8學期，最高請領新台幣240萬元。
(2) 採計四科總級分達52級分(含)以上者，或採計三科總級分達39級分(含)以上者，入學後每學期發給新台幣5萬元整，4學年共8學期，最高請領新台幣40萬元。
(3) 採計四科總級分達46級分(含)以上者，或採計三科總級分達34級分(含)以上者，入學後發給新台幣1萬元整，每人限領1次。
(4) 女性學生報考工程或電資學院之所屬系，入學後發給新台幣1萬元整，每人限領1次。

3. 符合加發獎學金規定者，其加發之獎學金自入學第二學期起，須符合前一學期學業成績列各該班級前10%(採無條件進位)者，且未受校方申戒(含)以上處分及無不及格科目者，始給予後續之獎學金。如提前畢業者，其畢業當學期成績須列各該班級前10%(採無條件進位)者，且未受校方申戒(含)以上處分及無不及格科目者，取得學位證書時，可申請其餘未