

「2022 教育部大專校院延攬國際頂尖人才計畫」學校資料

學校名稱 University Name	國立中央大學
學校網頁 University Website	https://www.ncu.edu.tw ; https://www.ncu.edu.tw/en
學校簡介 Brief Introduction of the University *註明貴校特色領域 *Please specify strong features of your university.	<p>國立中央大學(以下簡稱「本校」)係桃園地區唯一的國立大學，佔地達 62 公頃，鄰近台灣桃園國際機場，距高鐵桃園站約 15 分鐘車程，抵台北亦僅需 40 分鐘，交通便捷。目前設有文、理、工、地球科學、資電、管理、客家及生醫理工等八個學院；分設 28 個學系(含 5 個學院學士班)、18 個獨立研究所、4 個碩士學位學程及 6 個博士學位學程。學生總數約 12,000 人，大學生與碩博士生比例約 1：1，是科研鼎盛、人文薈萃的綜合大學。本校以「深具人文關懷的世界一流大學」為願景，各學術領域能量豐沛，科技研究成效卓越，尤其在物理、化學、太空科學與社會科學的引文影響力高於世界水平；積極參與大型國際計畫，國際網絡合作緊密，於 U.S. News & World Report 2022 全球最佳大學排名全國第五，「國際合作」指標連續八年穩居全國第一，深具特色及國際影響力。本校特色領域包含：</p> <ol style="list-style-type: none"> 1. 太空科學與科技 2. 高能與強場物理 3. 地震災害鏈風險評估及管理 4. 綠能與去碳 5. 永續地球環境 6. 智慧系統-關懷科技 <p>National Central University (NCU) is one of the leading university with long-standing traditions in Taiwan. Located in the area close to the Taoyuan International Airport, NCU covers an area of 62 hectares. There are 8 colleges, 28 departments (including 5 colleges and bachelor's classes), 18 graduate institutes, 4 Master's degree programs, 6 doctoral degree programs. The total number of students is about 12,000, and the ratio of college students to master and doctoral students is about 1:1. Our vision is to create an environment with both strong academic research energy and humanistic concerns, and to become one of the world's top universities with unique characteristics. NCU ranks fifth in the US News & World Report 2022 Best Universities in the world, and the "international cooperation" index has ranked first in the country for eight consecutive years. With unique characteristics and international influence, four strong research field features (Astronautical Physics and Engineering, Earthquake-Disaster and Risk evaluation and management, Green energy & decarbonization, High energy and high field physics) and two international focus fields (Sustainable earth science and Intellectual System) compose the main development targets of the university.</p>

新進教研人員福利
Welfare for new
research
fellow/lecturers

學校提供玉山(青年)學者配套措施及條件

(一)研究經費與設備：

1. 給予新聘教研人員一次性 300 萬元以下之經費補助。
2. 購置軟體及設備補助:針對教學、研究用軟體及設施，以自籌收入補助購買。

(二)住宿與搬遷費：

提供新聘教研人員各類型宿舍，或每月補助新台幣壹萬元整，以 3 年為限(玉山學者)、5 年為限(玉山青年學者)。請依申請類型擇一適用

(三)子女教育協助:

中央大學附設桃園市私立幼兒園，招生對象為 3 至 6 歲。

(四)其他

1. 校內行政資源協助：設立行政服務窗口，協助新進或外籍人才迅速融入校內環境，安心從事教研活動。
2. 校園環境雙語化：為改善外籍人士於校內生活之語言隔閡，將強化本校網站、各項設施及人員交流互動雙語化，並提供及時的校園與社會相關新聞，協助教師儘速適應本校環境。
3. 減輕教學負擔:新聘助理教授或副教授服務未滿二年者，經所屬學術單位會議通過，每學年最多得折抵授課時數 9 小時，且不得至校外兼課與在職專班授課，特殊個案須專案簽准。
4. 成立專業成長研究社群及傳習制度:以透過群體研討活動，傳承或參與研究計畫、共同發表論文，參與國際大型研究中心計畫實驗室、產學合作、尖端團隊及國際交流。
5. 專利智財及技術授權協助：辦理專利智財暨技術授權培訓課程，提供教研人員對於專利智權基本知識，及商業價值判斷，進而提升研發能量及價值。

- **Research funding:** up to a maximum of NT\$3,000,000.

- **Subsidy for accommodation expenses:** providing residence or an accommodation subsidy of NT\$10,000 per month.

- **Assistance for Children education:** a private kindergarten, located in the campus.

- **Assistance for the administrative procedures:** an administrative service is designated for the new research fellows to quickly integrate into the school environment and to the teaching and research activities.

- **Bilingualization of the campus environment:** the school website, facilities and personnel will be bilingualized to help foreign teachers adapt to the school environment.

- **Reducing of teaching load:** a maximal of 9 teaching hours per school year could be deducted for the first two years.

- **Establishment of a professional research community:** through group discussion activities, inheritance and/or participation in research projects, the formation of the community allow a quick adaption for the new recruits.

- **Assistance for the application for Patent Intellectual Property and Technology Authorization:** training courses and resources

	<p>regarding to patent intellectual property and technology authorization are provided to help the new recruits to enhance the value of their researches.</p>
<p>研究中心簡介 Introduction of Research Center</p>	<ul style="list-style-type: none"> ● 太空及遙測研究中心：主要任務為太空及遙測科學之研究與教學，以及遙測技術之發展與應用，以遙測科技為主軸，包括地球環境遙測與太空環境遙測。 <u>Center for Space and Remote Sensing Research(CSRSR)</u> is a multi-disciplinary center. The primary missions include research in the related field of space and remote sensing, promotion of international cooperation and development of innovative technology and applications. ● 光電科學研究中心：致力於整合校內師資與設備，建立前瞻研究設施，訂定中長程發展計畫，推動及整合本校光電科學研究、產學合作及人才培育等業務。 <u>Optical Sciences Center (OSC)</u> aims to promote interdisciplinary research and education on advanced optical sciences through the consolidation of resources among the campus. ● 前瞻科技研究中心：配合國家科技發展政策，有效整合研究資源，推動安全科技相關的研究工作，培育專業人才與提升專案計畫研究水準而成立。 <u>Research Center for Advanced Science and Technology(RECAST)</u> aims to adapt with national science and technology development policies, promote research related to security science and technology, foster professional talents and enhance research standards of project plans. ● 人文研究中心：為國際／校際學術推動、人才拔擢與延攬為主的人文研究機構，亦為台灣最早成立之人文中心。 <u>Humanities Center</u> aims to propel and encourage any creative attempt to cross over existing disciplinary boundaries. It will endeavor to integrate the academic resources of the College of Liberal Arts with those of other humanities-oriented institutions so as to upgrade the energy and quality of humanities research. ● 環境研究中心：主要進行全球變遷相關研究，包括溫室氣體排放、氣候變遷模擬及其影響，亦推動永續發展研究和策略的規劃，同時參與研究的層面，亦由國內服務，漸次擴及至國際交流與合作的具體落實。 <u>Center for Environmental Studies</u> was established in 1989, because correlation and so on environmental trend, natural resources and disaster subjects received increasingly take, the central development gradually faced a research center which the natural environment and the resources research paid equal attention to, simultaneously considered airborne, the land and the sea environment element, constituted a complete environment

and the resources research center.

- **臺灣經濟發展研究中心**：致力研擬台灣經濟發展策略，並進一步發揚台灣經濟發展經驗，以期成為國內外研究台灣經濟發展之重鎮。

Research Center for Taiwan Economic Development is to collect national and international data and research work on Taiwan's economic development, conduct research work on Taiwan's economic development policies and to make policy recommendations, and sponsor scholarly exchanges on Taiwanese economic development research, and to promote advanced research, with the aim of making in order to make the RCTED the primary center in the world of researches on Taiwan's economic development.

- **太空科學與科技研究中心**：目標為整合過去 50 年之太空科學教育和研究基礎與近 30 年之太空工程和科技，完整建構立方和小衛星及其地面系統。本中心將進行電離層天氣預報，用以監測和確保衛星定位、導航、通訊品質與安全，並建置完成地震前兆監測、海嘯預警、空污遙測系統。

Center for Astronautical Physics & Engineering (CAPE) aims to build on NCU's 50-year heritage of space research, CAPE research includes space weather monitoring, forecast, and applications to navigation, telecommunications, and space operations, spaceborne tsunami monitoring and earthquake precursor studies, small satellite development and operations, optical and microelectronic sensors, as well as satellite remote sensing.

- **高能與強場物理研究中心**：目標為整合國內基礎物理領域的研究能量，結合理論與實驗方面的人才形成跨領域研究團隊，並與台灣的強大的半導體和電子產業合作，共同面對這個嚴峻的挑戰。

Center for High Energy and High Field Physics is to integrate the research capacities of Taiwan's fundamental physics field and link talented theoretical and experimental scientists to form an interdisciplinary research team. It collaborates with Taiwan's robust semiconductor and electronics industry to meet this difficult challenge. It is hoped that in doing so, the center can excel amongst intense global competition and bring forth new research possibilities that will boost the international visibility of its scientific research.

- **地震災害鏈風險評估及管理研究中心**：為整合分析地震、海嘯、山崩土石流、堰塞湖、土壤液化、極端天氣系統之風險因素，發展成為學界與保險、科技、工程產業銜接之專責機構。

Earthquake Disaster & Risk Evaluation and Management (E-DREaM) Center aims to bring the up to date frontier earth science studies, and integrate the knowledge with various

	<p>disciplines to serve as a platform from geophysical science to practical application, especially to industrial partners. The objectives now cover the analysis on the risk factors of earthquake hazard, tsunami, landslides, soil liquefaction and extreme weather systems. The E-DREaM center also experts in high resolution mapping of subsurface structure for environment investigation.</p> <p>● 環境監測技術聯合中心：設立目的為推動環境監測技術研究與開發工作，整合研究資源，並將技術與研發成果推向國際，進而拓展其他區域性環境監測合作，強化國際共同監測機制以及監測資料交換與分享。</p> <p><u>Center for Environmental Monitoring and Technology (CEMT)</u> was established to develop and promote the environmental monitoring techniques and researches. The Center is aimed to integrate the research resources for extending its capacities to international community. The Center is also seeking for international collaborations on regional monitoring activities, technology transfer and data exchange.</p> <p>● 認知智慧與精準健康照護研究中心：以人工智慧、腦科學、生醫科學與醫學工程、運動科學及幼兒發展等的系統化與全面性研究，探討認知智慧與精準健康照護的神經與生理機制，以及彼此之間的動態關連，並拓展各項可能的應用，藉此更有效地鏈結心智科學與人工智慧的研究，開創出嶄新的發展。</p> <p><u>Cognitive Intelligence and Precision Healthcare Research Center</u> focus on systematic and comprehensive research on artificial intelligence, brain science, biomedical science, medical engineering, sports science and early childhood development. By exploring the neural and physiological mechanisms of cognitive intelligence and precision health care, as well as the dynamic relationship between them. It aims to expand the most possible applications of related studies and gradually link the research of mental science and artificial intelligence with a more effective way.</p> <p>另有聯合研究中心(United Research Centers)，下設災害防治研究中心、學習科技研究中心、全球定位科學與應用研究中心及新世代光驅動電池模組研究中心。</p> <p>Besides, Untied Research Centers includes Research Center for Hazard Mitigation and Prevention, Research Center for Science and Technology for Learning, GPS Science and Application Research Center and Research Center for New Generation Light Driven Photovoltaic Modules.</p>
<p>希望學術合作或徵才之領域 Areas Hoping for Research Collaboration or Recruitment</p>	<p>本校希望與世界各專業機構及學研單位進行多元領域合作及專業人才招募。學校發展特色和計畫目標如下，可提供做為學術合作主要項目參考：</p> <ol style="list-style-type: none"> 1. <u>太空科學與科技研究</u> 2. <u>地球科學</u> 3. <u>綠能與去碳</u>

	<p>4. <u>高能與強場物理</u> 5. <u>永續地球環境</u> 6. <u>智慧系統-關懷科技</u></p> <p>欲招聘人才之專業領域包含但不侷限於上述項目。 Our university hopes to collaborate with various academic institutions and industrial companies around the world in all kind of research fields, as well as to recruit professionals from different domains. The current specific features of our university are provided here to be the reference for the initiation of potential collaboration topics.</p> <ul style="list-style-type: none"> - Astronautical Physics and Engineering - Earthquake-Disaster and Risk evaluation and management - Green energy & decarbonization - High energy and high field physics - Sustainable earth science - Intellectual System <p>The expertise of the talents to be recruited includes but is not limited to the above fields.</p>
<p>玉山學者計畫聯絡人 Contact person for Yushan Scholar Project</p>	<p>研發處學術發展組 吳佳瑜 Ms. Chia-Yu, Wu Administrative Assistant Research & Development Office Email: chia@ncu.edu.tw</p>
<p>其他資訊 other information</p>	