

## 計畫中英文摘要：

### (一) 計畫中文摘要

中央大學與國際知名企業科思創在校園內建立聯合研發中心進行產學合作與人才培育計畫，研究主題包括：(1)綠色再生化學品，(2)綠色高效能觸媒與功能性高分子，(3)新型光起始劑，(4)新型光電材料。每年遴選 8-12 名學生參加此計畫，以大學部學生為主，女性學生占多數。同學除了進入實驗室實際參與研發，修習公司研發人員開設的高分子化學產業課程之外，也參加聯合小組會議與國際級產業研發人員交流。

學校與公司將提供獎助學金鼓勵學生參與產學合作研究計畫，並且補助學生參加國內外相關課題研討會、工作坊、與企業參訪。我們將鼓勵同學，尤其是經濟弱勢家庭的女性同學參與此人才培育計畫，此計畫不但能增進學生的專業知識，熟悉一些研究技術與實驗技巧，結合理論與實際應用，縮小學用落差，並且開拓學生視野與國際觀。

### (二) 計畫英文摘要

National Central University and the world-renowned corporation, Covestro, will establish a permanent joint research center on campus, to execute industry-academia collaboration and talent cultivation, with the following main themes: 1) Green renewable chemical raw materials; 2) Green high-efficient catalysts and functional polymers; 3) New type photoinitiators; and 4) New optoelectronic materials. Each year, 8-12 students will be selected to participate in this project, with the majority being undergraduate and female students. The students will not only take part in the research and development, but will also take up on the industrial polymer chemistry course provided by the corporation, while attending the joint group meetings and interacting with global industrial R&D experts and associates.

NCU and Covestro will be providing scholarships to encourage students to take part in the industry-academia research project, as well as participating in relevant domestic and overseas seminars, workshops, and company visitation opportunities. We encourage students, especially those who are financially disadvantaged, and with a focus on female students, to enter this talent cultivation project. This project is aimed to fulfill students' professional knowledge, while adjusting them to research techniques

and experimental skills. Combining theory and practical applications, this project will ultimately benefit the students on minimized education-job mismatch, high-level vision, and global perspectives.

(三) 計畫關鍵詞 (中文)。

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(四) 計畫關鍵詞 (英文)。

Talent cultivation for female students; Industrial Polymer Chemistry; Joint research center; National Central University, Covestro