

永續化學科技國際研究生博士學位學程

109 學年度

最低修業年限	三年
具碩士學位博士生應修學分數	20 學分
應修(應選)課程及符合畢業資格之修課相關規定	<p>1.必修課程：</p> <p>(1)書報討論 2 學分</p> <p>(2)專題演講 2 學分</p> <p>(3)實驗室實習 0 學分。(第二學期為選修)</p> <p>(4)中文課(一)(二) 0 學分(外籍生必修)</p> <p>(5)永續化學科技導論(一)(二) 6 學分</p> <p>2. 必選課程：</p> <p>a. 化學組：以下五選一或多</p> <p>(1)進階有機化學 3 學分</p> <p>(2)進階無機化學 3 學分</p> <p>(3)進階分析化學 3 學分</p> <p>(4)進階物理化學(一) 3 學分</p> <p>(5)進階化學生物(一) 4 學分</p> <p>b. 環工組：環工所開設課程至少 6 學分</p>
備註	博士生須於申請學位考試前完成線上「學術研究倫理教育」課程，課程總測驗成績達及格標準並提供證明文件，始得申請學位考試。

Taiwan International Graduate Program of Sustainable Chemical Science and Technology Academic Year 2020

Minimum Term of Study	Three Years
Minimum Credits for Ph.D. Students Who Have Master's Degrees	20 Credits
Curriculum and Regulations	<p>1.Mandatory：</p> <p>(1) Seminar (2 credits)</p> <p>(2) Colloquium (2 credits)</p> <p>(3) Lab Rotation (0 credit) (elective course for the second semester)</p> <p>(4) Elementary Chinese I, II (0 credit) (Requirements for International students)</p> <p>(5) Introduction to Sustainable Chemical Science and Technology I, II (6 credits)。</p> <p>2.Elective Courses(Core):</p> <p>a. Chemistry Division: Select at least one option</p> <p>(1) Advanced Organic Chemistry (3 credits)</p> <p>(2) Advanced Inorganic Chemistry (3 credits)</p> <p>(3) Advanced Analytical Chemistry (3 credits)</p> <p>(4) Advanced Physical Chemistry I (3 credits)</p> <p>(5) Discussion in Advanced Chemical Biology I (4 credits)</p> <p>b. Environmental Engineering Division: at least 6-credit courses provided by Institute of Environmental Engineering</p>
Notes	Students should pass the on-line course “Academic Research Ethics Education”. The passing certificate for this course should be submitted to the Department office before applying for the degree exam.