

明志科技大學環境與安全衛生工程系環境工程碩士班課程表 (113學年度新生實施)

Ming Chi University of Technology 「2024 SchoolYear」 MS Program in Environmental Engineering Curriculum

113/06/18校課程委員會會議審議通過

113/06/06院課程委員會會議審議通過

113/04/11系課程委員會會議審議通過

Examination at School Curriculum Committee Meeting on June 18,2024

Examination at College Curriculum Committee Meeting on June 6,2024

Examination at Department Curriculum Committee Meeting on April 11,2024

科目類別 Course Category	科目名稱 Course Name in Chinese	英文名稱 Course Name in English	上學期 1st Semester		下學期 2nd Semester		備註 Remarks
			學分 Credits	時數 Hours	學分 Credits	時數 Hours	
共同必修 Common Compulsory	書報討論	Special Topics Seminar	1	2	1	2	
	研究方法論	Research Methods	2	2			
	科技論文寫作	Technical Writing			2	2	
	<b>小計 Subtotal</b>		<b>3</b>	<b>4</b>	<b>3</b>	<b>4</b>	
專業必修 Professional Compulsory	環境物化處理	Environmental Physi-chemical Treatment	3	3			
	環境生物處理	Environmental Biological Treatment			3	3	
	<b>小計 Subtotal</b>		<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	
專業選修 Professional Elective	水化學	Water Chemistry	3	3			
	室內空氣品質淨化技術	Indoor Air Quality Purification Technology	3	3			
	資料分析與應用	Data Analysis and Application	3	3			
	土壤化學	Soil Chemistry	3	3			
	高等儀器分析	Advanced Instrumental Analysis	3	3			
	高等廢棄物處理技術	Advanced Waste Treatment	3	3			
	氣膠科技	Aerosol Technology	3	3			
	環境採樣規劃設計	Environmental Sampling Planning and Design	3	3			
	水資源工程	Water Resources Engineering	3	3			
	綠色環境規劃	Green Environmental Planning			3	3	
	環境毒物學	Environmental Toxicology			3	3	
	環境風險分析	Environmental Risk Analysis			3	3	
	空氣污染物監測	Monitoring of Air Pollutants			3	3	
	高等環境生物技術	Advanced Environmental Biotechnology			3	3	
	空氣污染物控制技術	Air Pollution Control Technology			3	3	
	人工智慧在環境上的應用	Application of Artificial Intelligence on Environment			3	3	
	循環經濟與環境永續	Circular Economy and Environmental sustainability			3	3	
<b>小計 Subtotal</b>		<b>27</b>	<b>27</b>	<b>24</b>	<b>24</b>		
說明 Course Catalog Remarks	<p>1.畢業學分下限為 30學分（不含論文 6 學分），每學期修課上限為 15 學分，選修開課人數最低為5人。</p> <p>2.畢業論文共6學分，論文通過後一次授予。</p> <p>3.共同必修科目6學分；專業必修科目6學分；專業選修科目18學分，合計30學分。（跨外系或外校選修至多列計6學分）</p> <p>4.外籍生修習之課程，以全英文授課。</p> <p>1. To graduate, students must complete at least 30 credits (excluding 6 credits for the thesis). The upper limit for courses taken per semester is 15 credits. The minimum number of students required to open a course is 5.</p> <p>2. The graduation thesis carries 6 credits and will be awarded upon thesis approval.</p> <p>3. The minimum graduation credit structure is adjusted as follows: 6 credits of common compulsory courses, 6 credits of professional compulsory courses, 18 credits of professional elective courses, totaling 30 credits in all. (Electives taken from other departments or other schools will be counted as up to 6 credits)</p> <p>4. Courses taken by foreign students are taught in English</p>						