

中臺科技大學大學部四年制日間部視光系112學年度入學課程標準表(健康院適用)

Central Taiwan University of Science and Technology Undergraduate 4-Year Daytime Department of Optometry Program

Curriculum Standards for the 112th Academic Year

1120222聯合系所課程委員會會議通過

1120309院課程委員會會議審議通過

1120315校課程委員會會議審議通過

學年 Academic Year	科目 Course	學分數 Credits	時數 Teaching hours	上學期		下學期		備註 Remarks
				First Semester		Second Semester		
				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
基本素養(24學分) Basic Competencies (24 Credits)								
第一學年 1 st Academic Year	文學與人生 Literature and Life	2	2	2				
	大一英文(一) Freshman English (I)	2	2	2				
	普通化學 General Chemistry	2	2	2				
	資訊科技與應用 Information Technology and Application	2	2	2				電腦課程 Computer Course
	大一英文(二) Freshman English (II)	2	2			2		
	人際關係與溝通 Interpersonal Relationship and Communication	2	2			2		
	文學領域 Literature Studies	2	2			2		
	實用生活美學 Life Aesthetics	2	2			2		
第三學年 3 th Academic Year	普通生物學 General Biology	2	2			2		
	時間、空間、多元文化 Multi-cultures	2	2	2				
	法律學概論 Introduction to Law	2	2			2		
	文化領域 Cultural Studies	2	2			2		
軍訓與體育(2學分) Military Training and Physical Education (2 Credits)								
第一學年 1 st Academic Year	全民國防教育軍事訓練-國防科技 All-out Defense Education Military Training - Defense Technology	0	2	2				
	體育(一) Physical Education (I)	1	2	2				
	體育(二) Physical Education(II)	1	2			2		
第二學年 2 nd Academic Year	體育(三) Physical Education(III)	0	2	2				
專業必修(81學分) Professional Required Courses (81 Credits)								
核心基礎(16學分) Core Foundations (16 Credits)								
第一學年 1 st Academic Year	普通物理學 General Physics	2	2	2				
	視光學導論 Introduction to Optometry	2	2	2				定錨課程 Anchoring Course
	眼球解剖生理學(一) Ocular Anatomy and Physiology (I)	2	2	2				
	眼球解剖生理學實驗(一) Ocular Anatomy and Physiology Experiment	1	2		2			
	普通物理學實驗 General Physics Experiment	1	2		2			
	普通化學實驗 General Chemistry Experiment	1	2		2			
	微積分 Calculus	2	2			2		
	有機化學 Organic Chemistry	2	2			2		

	普通生物學實驗 General Biology Experiment	1	2				2	
	眼球解剖生理學實驗(二) Ocular Anatomy and Physiology Experiment (II)	1	2				2	
第二學年 2 nd Academic Year	生物化學 Biochemistry	2	2	2				
	微生物學 Microbiology	2	2			2		
核心專業(65學分) Core Professional Courses (65 Credits)								
第一學年 1 st Academic Year	幾何光學 Geometric Optics	2	2			2		
	眼球解剖生理學(二) Anatomy and Physiology of Eyeball (II)	2	2			2		
	幾何光學實驗 Geometrical Optics Experiment	1	2				2	
第二學年 2 nd Academic Year	鏡片光學 Lens Optics	2	2	2				
	驗光學(一) Optometry (I)	2	2	2				
	配鏡學(一) Ophthalmic Lens Dispensing (I)	2	2	2				
	驗光學實驗(一) Optometry Experiment (I)	1	2			2		內含「服務學習」 Includes Service Learning
	配鏡學實驗(一) Ophthalmic Lens Dispensing Experiment (I)	1	2			2		
	驗光學(二) Optometry (II)	2	2			2		
	配鏡學(二) Ophthalmic Lens Dispensing (II)	2	2			2		
	眼鏡光學 Ophthalmic Lens Optics	2	2			2		
	驗光學實驗(二) Optometry Experiment (II)	1	2				2	
	配鏡學實驗(二) Ophthalmic Lens Dispensing Experiment (II)	1	2				2	
第三學年 3 th Academic Year	視光英文 Optometric English	2	2	2				
	職業倫理與法規 Professional Ethics and Regulations	2	2	2				內含驗光人員法規，為職業倫理與學術倫理課程 Contains regulations for optometrists. It is a professional and academic ethics course
	眼病理學 Ocular Pathology	2	2	2				
	雙眼驗光學 Binocular Optometry	2	2	2				
	隱形眼鏡學(一) Contact Lens (I)	2	2	2				
	視覺光學 Visual Optics	2	2	2				
	雙眼驗光學實驗 Binocular Optometry Experiment	1	2			2		
	隱形眼鏡學實驗(一) Contact Lens Experiment (I)	1	2			2		
	臨床視光學 Clinical Optometry	2	2			2		
	低視力學 Low Vision	2	2			2		
	隱形眼鏡學(二) Contact Lens (II)	2	2			2		
	基礎視光藥理學 Basic pharmacology of Optometry	2	2			2		
	臨床視光學實驗 Clinical Optometry Experiment	1	2				2	
	隱形眼鏡學實驗(二) Contact Lens Experiment (II)	1	2				2	
	眼視光實習(一) Optometry Internship (I)	5	10			10		校外實習實習320小時 Off-Campus Internship Internship Duration: 320 hours
	眼視光實習(二) Optometry Internship (II)	5	10			10		校外實習實習320小時 Off-Campus Internship Internship Duration: 320 hours

第四學年 4 th Academic Year	視光學專題討論 Seminar in Optometry	2	2			2		
	低視力學專題討論 Seminar in Low Vision	2	2			2		
	隱形眼鏡專題討論 Seminar in Contact Lenses	2	2			2		
	視覺光學專題討論 Seminar in Visual Optics	2	2			2		
	眼球解剖生理學專題討論 Seminar in Anatomy and Physiology of Eyeball	2	2			2		
博學涵養(4學分) Liberal Education (4 Credits)								
第二學年 2 nd Academic Year	博學涵養 Liberal Education	2	2	2				
	博學涵養 Liberal Education	2	2			2		
專業選修(36學分) Professional Electives Courses (36 Credits)								
第一學年 1 st Academic Year	門市管理 Store Operation Management	2	2	2				跨域學習 Interdisciplinary Learning
第二學年 2 nd Academic Year	生物統計 Biostatistics	2	2	2				
	視覺知覺概論 Introduction to Visual Perception	2	2	2				
	鏡片材料與鍍膜 Ophthalmic Lens Materials and Coating	2	2	2				
	公共衛生學 Public Health	2	2			2		
	環境視覺學 Environmental Vision	2	2			2		
	視光健康照護概論 Introduction to Optometric Health Care	2	2			2		跨域學習 Interdisciplinary Learning
	視覺輔具設計與製作 Design and Manufacture of Visual Aids	2	2			2		
第三學年 3 th Academic Year	基礎視覺色彩學 Basic Visual Color Science	2	2			2		
	視光儀器學概論 Introduction to Optometry Instruments	2	2	2				
	免疫學 Immunology	2	2	2				
	視覺科學 Visual Science	2	2	2				
	視光光學設計概論 Introduction to Visual Optics Design	2	2			2		
第四學年 4 th Academic Year	◎臨床視覺光學與屈光實務 Clinical Visual Optics and Refraction Practice	2	2			2		
	眼鏡門市空間設計與裝潢 Optical Retail Interior Design and	2	2			2		
	視光流行病學 Epidemiology of Optometry	2	2			2		
	視光遺傳學 Optometric Genetics	2	2			2		
第一學年小計(1) 1st Academic Year Credits Subtotal (1)		42	52	20	6	20	6	
第二學年小計(2) 2nd Academic Year Credits Subtotal (2)		40	46	18	4	20	4	
第三學年小計(3) 3th Academic Year Credits Subtotal (3)		40	44	20	4	16	4	
第四學年小計(4) 4th Academic Year Credits Subtotal (4)		26	36	0	20	16	0	
合計 Total = (1)+(2)+(3)+(4)		148	178	58	34	72	14	

畢業規定及其他相關說明：

Graduation Requirements and Other Relevant Instructions

一	<p>最低畢業學分為 128 學分，必修 110 學分【含基本素養 24 學分(文學領域與文化領域各 2 學分)、軍訓與體育 2 學分、專業必修 84 學分】，博學涵養 4 學分，選修須高於 14 學分，且跨系選修至多抵免 6 學分。</p> <p>The minimum graduation requirement is 128 credits, including mandatory 110 credits [comprising 24 credits for basic competencies (2 credits each for literature studies and cultural studies), 2 credits for military training and physical education, 14 credits for professional core courses], 6 credits for broad</p>
二	<p>加註◎之課目須優先選修，以利相關課程之銜接。</p> <p>Courses marked with ◎ must be taken first to facilitate the connection with related courses.</p>
三	<p>畢業前需取得本校「資訊能力」畢業資格審定暨實施要點所列之資訊相關證照，始得畢業。</p> <p>Before graduation, students must obtain the qualifications as stipulated in the "Regulations for the Assessment and Implementation of Information Literacy Graduation Qualifications" of our university, which includes obtaining the information-related certifications listed therein, in order to graduate.</p>
四	<p>有關英文能力畢業門檻之相關規定，依照「中臺科技大學大學部英(日)文畢業門檻實施要點」之規定辦理。</p> <p>The regulations regarding the graduation requirements for English proficiency are implemented in accordance with the "Implementation Guidelines for the English (Japanese) Graduation Thresholds for Undergraduate Programs at CTUST."</p>
五	<p>畢業前需修完普通化學「General Chemistry」2 學分、普通生物學「General Biology」2 學分、生物統計學「Biostatistics」2 學分三項健康科學院院訂共同課程；普通化學、普通生物學需及格、生物統計學(或統計學概論)為選修需有修讀紀錄，始得畢業。</p> <p>Prior to graduation, students must complete the core course "Biostatistics", "General Chemistry", "General Chemistry" designated by the College of Health Science, which is worth 2 credits. A transcript of this course is required for graduation.</p>
六	<p>電腦課程須繳交電腦實習費。</p> <p>The computer course requires the payment of a computer practicum fee.</p>
七	<p>在本校就學期間必須取得心肺復甦術(CPR)畢業門檻之相關規定，依照「中臺科技大學健康科學院心肺復甦術(CPR)證照畢業門檻實施要點」之相關規定辦理。</p> <p>During the period of study, it is required to fulfill the graduation threshold for CPR in accordance with the 'Implementation Guidelines for Graduation Threshold of CPR Certification at the College of Health Science, Central Taiwan University of Science and Technology.'</p>
八	<p>有關「生活與服務」畢業門檻之相關規定，依照中臺科技大學「生活與服務」畢業門檻施行細則之規定辦理。</p> <p>In accordance with the regulations outlined in the Implementation Rules for the Graduation Threshold of 'Life and Service' at the Central Taiwan University of Science and Technology, all requirements related to 'Life and Service' graduation threshold shall be adhered to.</p>
九	<p>依據衛福部「專門職業及技術人員高等暨普通考試驗光師及驗光生考試實習認定基準」，民國 111 年 8 月 1 日以後畢業者。其實習項目須包含：驗光所實習 8 週(320小時)、眼科醫療機構實習 8 週(320小時)。According to the Ministry of Health and Welfare's "Specialized Vocational and Technical Personnel Advanced and General Examination Optometrists and Optometry Students Examination Internship Certification Standards", those who graduated after August 1, 2022. The internship project must include: an 8-week internship (320 hours) in an optometry clinic and an 8-week internship (320 hours) in an ophthalmic medical institution.</p>
十	<p>修習「職業倫理與法規」課程之學生，需透過「臺灣學術倫理教育資源中心」網路教學平臺修習至少 6 小時課程並通過總測驗後，於該網站下載修課證明後，提交任課老師列入成績考核。To study the "Professional Ethics and Regulations" course, you need to take at least 6 hours of courses through the "Center for Taiwan Academic Research Ethics Education" online teaching platform and pass the final test. After downloading the course certificate from the website, submit the list of the instructor Enter the performance assessment.</p>