

中臺科技大學大學部四年制日間部視光系115學年度入學課程標準表
Central Taiwan University of Science and Technology Undergraduate 4-Year Daytime Department of Optometry Program Curriculum
Standards for the 115th Academic Year

1141127系課程委員會會議通過
 1150225系課程委員會會議通過
 1150317院課程委員會會議通過
 1150401校課程委員會會議通過

學年 Academic Year	科目 Course	學分數 Credits	時數 Teaching hours	上學期 First Semester		下學期 Second Semester		備註 Remarks
				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
核心素養(8學分) Core Competencies (8 Credits)								
第一學年 1 st Academic Year	中文閱讀與表達 Chinese Reading and Expressing	2	2	2				
	大一英文(一) Freshman English (I)	2	2	2				
	大一英文(二) Freshman English (II)	2	2			2		
	資訊科技與應用 Information Technology and Application	2	2	2				電腦課程 Computer Course
體育(2學分) Physical Education (2 Credits)								
第一學年 1 st Academic Year	體育(一) Physical Education (I)	2	2	2				
	體育(二) Physical Education(II)	2	2			2		
領域涵養(14學分) Domain-Specific Learning (14 Credits)								
第一學年 1 st Academic Year	領域涵養 Domain-Specific Learning	6	6			6		人文、自然、社會、博學至少各選修一門 humanities, natural sciences, social sciences, and cultivation of broad knowledge -with at least one elective course from each category
第二學年 2 nd Academic Year	領域涵養 Domain-Specific Learning	8	8	4		4		
跨域學習(4學分) Interdisciplinary Learning (4 Credits)								
第二學年 2 nd Academic Year	跨域學習 Interdisciplinary Learning	4	4	2		2		
專業必修(81學分) Professional Required Courses (81 Credits)								
核心基礎(19學分) Core Foundations (19 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
	普通物理學實驗 General Physics Experiment	1	2		2			
	普通生物學 General Biology	2	2			2		
	普通生物學實驗 General Biology Experiment	1	2				2	
	幾何光學 Geometric Optics	2	2			2		
第二學年 2 nd Academic Year	幾何光學實驗 Geometrical Optics Experiment	1	2				2	
	生物化學 Biochemistry	2	2	2				
第三學年 3 th Academic Year	微生物學 Microbiology	2	2			2		
	視光英文 Optometric English	2	2	2				ESP課程ESP courses
	基礎視光藥理學 Basic pharmacology of Optometry	2	2			2		

核心專業(62學分) Core Professional Courses (62Credits)								
第一學年 1 st Academic Year	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 (I)	1	2		2			
	眼球解剖生理學(二) Anatomy and Physiology of Eyeball (II)	2	2			2		
	眼球解剖生理學實驗(二) Ocular Anatomy and Physiology 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				AI 專業課程AI professional courses
	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		AI 專業課程AI professional courses
	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 rd Academic Year	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		
	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		
第四學年 4 th Academic Year	眼視光實習(一) Optometry Internship (I)	5	10		10			校外實習實習8週 Off-Campus Internship Internship Duration: 8 weeks
	眼視光實習(二) Optometry Internship (II)	5	10		10			校外實習實習8週 Off-Campus Internship Internship Duration: 8 weeks
	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 Eye (II)	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
	普通化學 General Chemistry	2	2			2		銜接生物化學 Biochemical transition

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 Interdisciplinard 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				
	視覺光學設計概論 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 Renovation	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)		39	44	16	4	18	6	
第二學年小計(2) 2nd Academic Year Credits Subtotal (2)		52	56	20	4	24	4	
第三學年小計(3) 3th Academic Year Credits Subtotal (3)		30	34	18	4	12	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)		147	170	54	32	70	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111學分【含核心素養8學分、體育4學分、領域涵養14學分(人文、自然、社會、博學至少各選修一門)、跨域學習4學分、專業必修81學分】，選修至少17學分(其中專業選修至少10學分)。</p> <p>The minimum graduation requirement is 128 credits, including mandatory 111 credits [comprising 8 credits for core competencies, 4 credits for physical education, 14 credits for domain enrichment (including humanities, natural sciences, social sciences, and cultivation of broad knowledge -with at least one elective course from each category), 4 credits for interdisciplinary learning, and mandatory professional 81 credits]. Elective credits must be at least 17 credits.(departmental professional electives: at least 10 credits)</p>
二	<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>
三	<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>
四	<p>大一新生於入學第一學期需修習銜接課程(1學分/1學時)。</p> <p>Freshmen in their first semester are required to take the "Transition Course"(1 credit/1 teaching hours).</p>

五	<p>大學部學生，需依「中臺科技大學學術倫理教育課程實施要點」完成「學術倫理教育」相關課程修習後，提交任課老師列入成績考核。</p> <p>Undergraduate students are required to complete relevant courses on academic ethics education in accordance with the 'Implementation Guidelines for Academic Ethics Education Courses at the Central Taiwan University of Science and Technology. After completing the courses, students must submit their performance to the respective instructors for graduation.</p>
六	<p>外國學生於畢業前需修習「進階華語(一)」及「進階華語(二)」兩門課程。</p> <p>Foreign students need to take two courses, "Advanced Chinese (I)" and "Advanced Chinese (II)" for graduation.</p>
七	<p>修習「班級永續經營課程(一)、(二)」成績及格可認為「跨域學習」學分；修習「班級永續經營課程(三)、(四)」成績及格可認為「一般選修」學分。</p> <p>Passing grades in "Classroom Sustainability Courses (I) and (II)" will be recognized as "Interdisciplinary Learning" credits; passing grades in "Classroom Sustainability Courses (III) and (IV)" will be recognized as "General Elective" credits.</p>
八	<p>依規定學生需取得「班級永續經營課程(一)、(二)」之學分或取得「愛校服務認證」始得畢業。</p> <p>Students must obtain credits for Class Sustainable Management Course (I) and (II)" or obtain the "School Service Certification" for graduation.</p>
九	<p>畢業前須修習健康科學院院定共同課程：生物統計學「Biostatistics」2學分，需有修讀紀錄，始得畢業。</p> <p>Prior to graduation, students must complete the core course "Biostatistics" designated by the College of Health Science, which is worth 2 credits. A transcript of this course is required for graduation.</p>
十	<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>
十一	<p>依據考選部「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)。</p> <p>According to the Ministry of Examination 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>