

中臺科技大學大學部四年制日間部牙體技術暨材料系115學年度入學課程標準表

The 115<sup>th</sup> Academic Year Curriculum Standards for Undergraduate 4-Year Daytime Program, Department of Dental Technology and Materials Science, Central Taiwan University of Science and Technology

1150312系課程委員會會議修訂通過

1150317院課程委員會會議修訂通過

1150401校課程委員會會議修訂通過

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	
<b>核心素養(8學分) Fundamental Courses (8 Credits)</b>								
第一學年 1 <sup>st</sup> 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AI應用 Information Technology and AI Application	2	2	2				電腦課程 Computer Course
<b>體育(4學分) Physical Education (4 Credits)</b>								
第一學年 1 <sup>st</sup> Academic Year	體育(一) Physical Education (I)	2	2	2				
	體育(二) Physical Education(II)	2	2			2		
<b>領域涵養(14學分) Domain-Specific Courses (14 Credits)</b>								
第一學年 1 <sup>st</sup> 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 one elective course at least from each category
第二學年 2 <sup>nd</sup> Academic Year	領域涵養 Domain-Specific Learning	8	8	4		4		
<b>跨域學習(4學分) Interdisciplinary Courses (4 Credits)</b>								
第二學年 2 <sup>nd</sup> Academic Year	跨域學習 Interdisciplinary Learning	4	4	2		2		
<b>專業必修(73學分) Professional Required Courses (73 Credits)</b>								
<b>核心基礎(24學分) Core Fundamental Courses (24 Credits)</b>								
第一學年 1 <sup>st</sup> Academic Year	牙技概論與職業倫理 Introduction of Dental Technology and Occupational Ethics	2	2	2				定錨課程 Anchoring Course 職業倫理課程 Occupational Ethics Course
	牙科材料學(一) Science of Dental Materials (I)	2	2	2				
	口腔解剖生理學 Oral Anatomy and Physiology	2	2	2				
	牙體形態學 Dental Morphology	2	2	2				
	牙科材料學實驗(一) Lab. of Dental Materials (I)	1	2		2			
	牙科材料學(二) Science of Dental Materials (II)	2	2			2		
	牙科材料學實驗(二) Lab. of Dental Materials (II)	1	2				2	
	牙體形態學實驗(一) Lab. of Dental Morphology (I)	2	4				4	
第二學年 2 <sup>nd</sup> Academic Year	牙體形態學實驗(二) Lab. of Dental Morphology (II)	2	4		4			
	顎咬合學 Gnathology	2	2			2		
	數位工程及材料學 Digital Engineering and Materials Science	2	2			2		
第三學年 3 <sup>rd</sup> Academic Year	專業英文 English in Dentistry	2	2			2		ESP課程 ESP Course
	人工智慧暨電腦輔助設計與製作AI and CAD/CAM	2	2			2		AI課程 AI Course
<b>核心專業(49學分) Core Professional Courses (49 Credits)</b>								
第二學年 2 <sup>nd</sup> Academic Year	全口義齒技術學(一) Complete Denture Technology (I)	2	2	2				
	固定義齒技術學(一) Fixed Prosthodontics Technology (I)	2	2	2				
	全口義齒技術學實驗(一) Lab. of Complete Denture Technology (I)	2	4		4			
	全口義齒技術學(二) Complete Denture Technology (II)	2	2			2		
	齒顎矯正技術學(一)(含兒童牙科技術學) Orthodontic Technology (Include Peadodontic Technology) (I)	2	2			2		
	固定義齒技術學(二) Fixed Prosthodontics Technology (II)	2	2			2		
	全口義齒技術學實驗(二) Lab. of Complete Denture Technology (II)	2	4				4	
	固定義齒技術學實驗(一) Lab. of Fixed Prosthodontics Technology (I)	2	4				4	
第三學年 3 <sup>rd</sup> Academic Year	齒顎矯正技術學(二)(含兒童牙科技術學) Orthodontic Technology (Include Peadodontic Technology) (II)	2	2	2				
	牙科陶瓷技術學(一) Dental Ceramic Technology (I)	2	2	2				
	局部可撤義齒技術學(一) Removable Partial Denture Technology (I)	2	2	2				
	專題討論 Seminar	1	2	1		1		學術倫理課程 Academic Ethics Course
	齒顎矯正技術學實驗 Lab. of Orthodontic Technology	2	4		4			
	固定義齒技術學實驗(二) Lab. of Fixed Prosthodontics Technology (II)	2	4		4			
	局部可撤義齒技術學實驗(一) Lab. of Removable Partial Denture Technology (I)	2	4		4			
牙科陶瓷技術學(二) Dental Ceramic Technology (II)	2	2			2			

	局部可撤義齒技術學(二) Removable Partial Denture Technology (II)	2	2			2	
	局部可撤義齒技術學實驗(二) Lab. of Removable Partial Denture Technology (II)	2	4			4	
	無金屬陶瓷技術學暨實驗 All Ceramic Dental Technology and Lab.	2	4			4	
第四學年 4 <sup>th</sup> Academic Year	臨床實習 Clinical Practice	10	20		20		校外實習實習20週 Off-Campus Internship Internship Duration:20weeks
	牙技實務 Dental Technology Practice	2	2			2	
<b>專業選修(26學分) Professional Elective Courses (26 Credits)</b>							
第一學年 1 <sup>st</sup> Academic Year	生物統計學 Biostatistics	2	2	2			
第二學年 2 <sup>nd</sup> Academic Year	牙科審美學 Esthetics in Dentistry	2	2	2			跨域學習 Interdisciplinary Learning
	牙技法規與感染控制學(含職業安全)Dental Regulation and Infection Control (Including Occupational Safety)	2	2	2			
	3D列印實作 3D Printing practice	2	2		2		跨域學習 Interdisciplinary Learning
	專業日文 Japanese in Dentistry	2	2		2		
第三學年 3 <sup>rd</sup> Academic Year	植體技術學暨實驗 Dental Implant Laboratory Technology and Lab.	2	4			4	
第四學年 4 <sup>th</sup> Academic Year	數位牙技實務與操作 Operation of Dental Digital Technology	2	2		2		
	專業基礎證照實務 Operation of Basis Training	2	2		2		
	固定義齒證照實務 Operation of Fixed Prosthodontics Training	2	2		2		
	活動義齒證照實務 Operation of Removable Denture Training	2	2		2		
	經營管理學 Practice Management	2	2		2		
	牙科儀器應用與維修 Application and Maintenance of Dental Equipments	2	2		2		內含「服務學習」 Includes Service Learning
	牙科電腦輔助設計/製作與實驗Dental CAD/CAM and Laboratory	2	2			2	
<b>第一學年小計(1) 1<sup>st</sup> Academic Year Credits Subtotal (1)</b>		34	38	18	2	12	6
<b>第二學年小計(2) 2<sup>nd</sup> Academic Year Credits Subtotal (2)</b>		42	50	14	8	20	8
<b>第三學年小計(3) 3<sup>rd</sup> Academic Year Credits Subtotal (3)</b>		27	40	7	12	9	12
<b>第四學年小計(4) 4<sup>th</sup> Academic Year Credits Subtotal (4)</b>		26	36	0	20	12	4
<b>合計 Total = (1)+(2)+(3)+(4)</b>		129	164	39	42	53	30

**畢業規定及其他相關說明：**

**Graduation Requirements and Other Relevant Instructions**

一	最低畢業學分為128學分，必修103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73學分】，選修至少25學分(其中專業選修至少15學分)。 The minimum graduation requirement is 128 credits, including required courses 103 credits [comprising fundamental courses 8 credits, physical education 4 credits, domain-specific courses 14 credits (including humanities, natural sciences, social sciences, and cultivation of broad knowledge with one elective course at least from each category), interdisciplinary learning course 4 credits, and professional required 73 credits]. Elective courses 25 credits at least (with a minimum 15 credits for professional elective courses).
二	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。 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.
三	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。 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."
四	大一新生於入學第一學期需修習「銜接課程_牙體形態概論」。 Freshmen in their first semester are required to take the "Transition Course_Introduction to Dental Morphology".
五	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。 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.
六	境外生於畢業前需修習「進階華語(一)」及「進階華語(二)」兩門課程。 Foreign students need to take two courses, "Advanced Chinese (I)" and "Advanced Chinese (II)" for graduation.
七	學生於前2年需修習「班級永續經營課程(一)、(二)、(三)、(四)」，「班級永續經營課程(一)、(二)」成績及格，可認為「跨域學習」學分；「班級永續經營課程(三)、(四)」成績及格，可認為「一般選修」學分。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。 Students need to take "Class Sustainable Management Course (I), (II), (III) and (IV)" in the first 2 years. "Class Sustainable Management Course (I) and (II)" will be recognized as "Interdisciplinary Learning" credits; "Class Sustainable Management Course (III) and (IV)" can be recognized as "General Elective" credits. Students must obtain credits for Class Sustainable Management Course (I) and (II) or obtain the "School Service Certification" for graduation.
八	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。 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.
九	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。 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."
十	專業選修課程不得跨年級預先選修。 Students are not allowed to take professional elective courses in advance across grades.