

朝陽科技大學設計學院日間部工業設計系四年制課程規劃表

Department of Industrial Design, Chaoyang University of Technology
(applicable to day division students enrolled in 2021)

2024.11.27 13:38:35

	第一學年 First Year				第二學年 Second Year				第三學年 Third Year				第四學年 Fourth Year				
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校訂 必修 University Requirements	體育(體適能) Topics in Physical Education (Fitness)	2-2	生活英文 Everyday English	2-2	職場英文 Workplace English	2-2	職場英文 Workplace English	2-2	社會領域 Social care	2-2							
	生活英文 Everyday English	2-2	體育(體適能) Topics in Physical Education (Fitness)	2-2	人文領域 Humanities	2-2	自然科學領域 Natural Sciences	2-2									
	中文鑑賞與應用 Appreciation and Application of Chinese	2-2	勞作教育 Labor Service Education	3-1													
	勞作教育 Labor Service Education	3-1															
	資通訊與AI應用 Information and communication and AI application	2-2															
學分 Hours		11-9		7-5		4-4		4-4		2-2		0-0		0-0		0-0	
專業 必修 Required Courses	基本設計(一) Basic Design (1)	4-3	基本設計(二) Basic Design (2)	4-3	產品設計(一) Product Design (1)	4-3	產品設計(二) Product Design (2)	4-3	產品設計(三) Product Design (3)	4-3	專題設計(一) Special Topic (1)	8-5	專題設計(二) Special Topic (2)	8-5	專題設計(三) Special Topic (3)	8-5	

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	設計素描 Design Drawing	3-2	設計表現技法 Design Rendering Techniques	3-2	設計程序與方法 Material and Processing	2-2	電腦輔助工業設 計(二) Computer Aided Industrial Design (2)	3-2					作品集設計 Portfolio	2-2			
	設計圖學(一) Design Drafting(1)	3-2	設計圖學(二) Design Drafting (2)	3-2	電腦輔助工業設 計(一) Computer Aided Industrial Design (1)	3-2	邏輯思考與運算 Programming logics and computation	3-3									
	工廠實習 Model Making Techniques	4-3	模型製作 Making Models	4-3	智慧財產權概論 Intellectual Property Rights Study	2-2											
	設計史 History of Design	2-2	色彩學 Color Theory	2-2													
學分 Hours		16- 12		16- 12		11-9		10-8		4-3			8-5		10-7		8-5
	工業產品設計類課程 Industrial product design courses																
專業 選修 Elective Courses					產品色彩計畫 Product Color Scheme	2-2	材料與加工 Material and Processing	2-2	設計工學 Principles of Engineering Design	2-2	產品工程設計 Product Engineering Design	2-2	綠色產品設計 Green product design	2-2	綠色創新與產品 開發 * Green Renovation and Product development	2-2	

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					人因設計 Human Factors in Design	2-2	人機介面設計 Human - Machine Interface Design	2-2	使用者心理學 User psychology	2-2	產品企劃 Product Planning	2-2				
					生活型態設計 Design for Life Style	2-2	產品語意 Product Semantics	2-2			自行車造型美學 與人因設計 Modeling aesthetics and human factor design of bicycle	3-3				
											自行車結構設計 與製造實務 Structural design and manufacturing practice of bicycle	3-3				
											自行車產品開發 與實務習作 Product development and practical training of bicycle	2-2				
文化創意設計類課程 Cultural and Creative Design Courses																

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			繪本 Picture Books	3-2	木竹工藝設計 (一) Wood and Bamboo Craft Design(1)	3-2	木竹工藝設計 (二) Wood and Bamboo Craft Design(2)	3-2	金屬加工設計 (一) Metal Workshop (1)	3-2	金屬加工設計 (二) Metal Workshop (2)	3-2	文化產業創業實 務 Practice on Cultural and Creative Industries Business Model	2-2		
					陶藝設計(一) Ceramics Workshop (1)	3-2	陶藝設計(二) Ceramics Workshop (2)	3-2	玻璃藝術設計 (一) Glass Workshop (1)	3-2	玻璃藝術設計 (二) Glass Workshop (2)	3-2				
							文化資源調查 Field Survey	2-2	文化創意設計 Cultural Creative Design	2-2						
技優生必選修-智慧創意設計技優領航專班A required elective course for gifted students - Intelligent Creative Design Leading Class for Talented Students																
	設計概論 # Introduction to Design	2-2	色彩學 # Color Theory	2-2	設計英文 # Design English	2-2	設計英文 # Design English	2-2	國際競賽實務專 題(一) # Practical Topics of International Competition (1)	3-3	國際競賽實務專 題(二) # Practical Topics of Internaional Competition (2)	3-3				
			設計表現技法 # Design Rendering Techniques	3-3												

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學分 Hours		2-2		8-7		14-12		16-14		15-13		21-19		4-4		2-2
校訂必修 University Requirements	基礎通識及核心通識 Basic General Education Courses And Core General Education Courses				9科目24學分 9 Courses 24 Credits											
	通識自由選修 General Education Free Elective Credits				4學分，修課規範請詳閱全校性規定(四) 4 credits, [(suggested courses are listed under CYUT regulations for students in four-year day-time program(4)]											
專業必修 Required Courses	22科61學分 22 Courses 61 Credits															
專業選修 Elective Courses	最少應選修29學分 Minimum elective 29 Credits															
可承認之非本系學分數上限 Recognition limit of credits provided by other departments	10 學分 10 Credits															
最低畢業學分數 Total Requirement	128 學分 128學分 128 Credits 128 Credits															

一、全校性規定：

(一)修習通過語言中心開設之「菁英英文I」、「菁英英文II」校訂選修課程，可以分別替代通識英文必修課程(不含航空機械系、飛航與民航人員技術系)，詳細課程內容及替代方式請參閱語言中心網站。

(二)日間部四技生修習通識教育中心開設之創造力課程，通過者皆可認列為「專業選修學分」。

(三)修習通識教育中心開設之基礎通識(必修18學分)及核心通識(至少6學分，分為人文領域、社會領域、自然科學領域、綜合領域等四領域)課程者，達24學分之後，有超修者，得認列為通識之自由選修學分。

(四)通識之「自由選修」至多為4學分，含未認列之院通識課程、跨院系學程、微學程、微型課程、校訂選修及第三條所記超修「核心通識」課程。

(五)外籍學生之校訂必修中文課程可用華語中心開設之華語系列必修課程抵免(或認列)，華語為母語之人士以及馬來西亞華人除外，詳細抵免(或認列)方式請至華語中心網站查詢。

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二、全院性規定：

- (一)設計學院「資訊科技應用能力」基本門檻，本院學生應於修業期間至少通過TQC、ACA或設計專業證照檢定至少一項，方得畢業；由本系認定標準。
- (二)設計技優領航專班必選課程，技優生修畢後可替代原屬系專業必修/選修課程，或認列為系之專業選修學分。
- (三)設計技優領航專班需由本院跨院系學程課程5科目至少選修2門，並認列為系之專業選修6學分；另修習各系指定專業學科1門(課程有「*」)。

三、本系之規定：

- (一)課程有標註「#」者為設計學院開設之技優生必選修課程，其中「設計概論」可替代為本系「設計史」課程。
- (二)課程有「*」者為技優生必選專業學科。

一、Regulations regarding course plan:

- (1)Students who pass 'Elite English ' offered by the Language Center are only eligible to waive credits for the required English courses offered by the General Education Center.For details, please visit the Language Center website.
- (2)For four-year day division students, General Education Center offers Innovation courses which can be certified as 'professional elective credits' .
- (3)The requirement of General Education consists of Basic General Education (18 Credits required) and Core General Education (at least 6 Credits selected from the fields of Humanities, Society, Nature and Miscellaneous interest). Extra credits taken from the General Education Center can be certified as 'General Education free selective credits' .
- (4)Four credits are required as the General Education free elective credits. These credits can be taken from College General Education courses, interdisciplinary study programs, miniature study programs , miniature courses or university-approved elective courses. The credits granted as free elective credits can not be used to fulfill other requirements. Extra credits taken from Core General Education courses mentioned in (3) can also be granted as the G.E. free elective credits.
- (5)Foreign students who pass Chinese courses offered by Chinese Learning Center are eligible for credit waiving in required Chinese courses for native students (except Malaysian Chinese whose native language is Chinese). For details, please visit the website of Chinese Learning Center.

二、College-level regulations:

- (1)According to the basic graduation threshold of "information technology application ability", students of the design college must pass at least one of TQC, ACA or design professional certification during their studies; the standard is recognized by the department.

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(2)The Required courses (with "#" attached) of design Program for special achievement-based-admission students can replace the required/elective courses or be recognized as elective credits for their department' s majors.

(3)The "Intelligent Creative Design and Development Program", courses of cross-college and department of design college, at least 2 of the 5 courses should be taken as electives, which can be recognized as 6 credits of elective courses for the department's majors.

(4)The "Intelligent Creative Design and Development Program", courses of cross-college and department of design college, at least 2 of the 5 courses should be taken as electives, which can be recognized as 6 credits of elective courses for the department's majors.

三、Regulations of this department:

(1)Courses marked with "#" are required elective courses for outstanding students offered by the School of Design.

(2)Those whose courses have "*" are compulsory majors for students with outstanding technical skills.