Tzu Chi University of Science and Technology Bachelor's Degree Program in Department of Information Technology and Management (2020)

Category	Course Title	Credit	Hour	Year 1 1st Sem.	Year 1 2nd Sem.	Year 2 1st Sem.	Year 2 2nd Sem.	Year 3 1st Sem.	Year 3 2nd Sem.	Year 4 1st Sem.	Year 4 2nd Sem.	Remark
Basic General Education	Chinese	4	4	2	2							12 Credit
	English	4	8	1	1	1	1					
	Logic and Computational Thinking	2	2	2								
	Tzu-Chi Philosophy	2	2		2							
	Labor Education I	0	2	0								
	Labor Education II	0	2		0							
	Physical Education	0	8	0	0	0	0					
	Subtotal	12	28	5/10	5/10	1/4	1/4					
Core General Education	Dimension of Humanities and Arts 1. Language Application and Expression 2. Life Education 3. Music Appreciation	2	2	2								Choose 1 from 3
	Dimension of Civic Literacy 1. Constitution and Human Rights 2. Introduction to Jurisprudence 3. Society and Culture	2	2	2								Choose 1 from 3
	Dimension of History and Culture 1. Introduction to the History of Chinese and Western Art 2. Selected Readings of Historical Novels and	2	2		2							Choose 1 from 2
	Dimension of Life Sciences and Environment 1. Life Sciences and Health 2. Ecological and Environmental Literacy	2	2		2							Choose 1 from 2
	Subtotal	8	8	4/4	4/4							

Note: Core General Education courses will be offered in 1-3 courses per dimension each semester. Students will choose 1 course from each of 2 dimensions each semester, and are expected to take 4 courses over 2 semesters, for a total of 8 credits.

Category	Course Title	Credit	Hour	Year 1 1st Sem.	Year 1 2nd Sem.	Year 2 1st Sem.	Year 2 2nd Sem.	Year 3 1st Sem.	Year 3 2nd Sem.	Year 4 1st Sem.	Year 4 2nd Sem.	Remark
Required College Education	Introduction to Computer Science	2	2	2								
	Management for Mathematics	2	2		2							

Category	Course Title		Credit	Hour	Year 1		Year 2		Year 3		Year 4		Remark
					1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	
	Interdisciplinary Curriculum applied in the Occupations		2	2			2						
	Subtotal		6	6	2	2	2						
Required Fundamental Courses	Calculus		2	2	2								
	Practice of Introduction to Computer Science		1	2	1								
	Programming		2	2	2								
	Practice of Programming		1	2	1								
	Introduction to Management		2	2	2								
	Object-oriented Programming		2	2		2							
	Practice of Object-oriented Programming		1	2		1							
	Data Structure		2	2			2						
	Practice of Data Structure		1	2			1						
	Probability		2	2			2						
	Statistics		2	2				2					
	Database Management System		2	2				2					
	Practice of Database Management System		1	2				1					
	Operating System		3	3					3				
	Practical Project I		1	2					1				
	Practical Project II		1	2						1			
	Practical Project III		1	2							1		
	Industry Internships		3	9							3		
	Subtotal		30	44	8/10	3/4	5/6	5/6	4/5	1/2	4/11		
Required Core Courses	Multimedia Design and Production		3	3	3								
	Management Information System		3	3			3						
	Algorithms		3	3				3					
	Business Data Communications		3	3					3				
	Cloud Application		3	3						3			
	Subtotal		15	15	3		3	3	3	3			
Elective Courses	Professional Electives	Module I: AI Big Data	15	15									
		Module II: Digital Multimedia	15	15									
		General Elective	17	17									
		Elective College Education	2	2				2					

Category		Course Title	Credit	Hour	Year 1 1st Sem.	Year 1 2nd Sem.	Year 2 1st Sem.	Year 2 2nd Sem.	Year 3 1st Sem.	Year 3 2nd Sem.	Year 4 1st Sem.	Year 4 2nd Sem.	Remark
		Subtotal	49	49		6	7	8	6	6	6	10	
		General Education Electives	8	8	2	2	2	2					
Total		Total Required Credits	71	101	22/29	14/20	11/15	9/13	7/8	4/5	4/11		
		Total Credits for Self-Elective Courses	57	57	2/2	8/8	9/9	10/10	6/6	6/6	6/6	10/10	
		Total Credit/Hours taken per Semester	128	158	24/31	22/28	20/24	19/23	13/14	10/11	10/17	10/10	
		Minimum Number of Credit/Hours Required for Graduation			128/158								
		Remark	I. In accordance with the "Implementation Regulations for the Compulsory English Courses in the Four-Year Technical Education Division of Tzu Chi University of Science and Technology", an English placement test will be conducted, dividing students into three levels: "Basic English," "General English," and "Advanced English." II. Students in the Four-Year Technical Education Division must complete at least 8 credits of general education electives, covering any three of the four dimensions of general education (Humanities and Arts, Civic Literacy, History and Culture, and Life Sciences and Environment). III. The graduation requirements for students in this department are as follows: Students must obtain any two domestic Level B skills certifications or international certifications as specified in the university's incentive program for professional certification during their studies.										

November 9, 2020: Revised by the University Curriculum Committee.
September 7, 2020: Revised by the Curriculum Committee of the College of Health Technology Management.
April 9, 2020: Formulated by the Department Curriculum Committee. June 13, 2020: Revised by the Department Curriculum Committee.