National University of Kaohsiung, Department of Information Management, Undergraduate Required and Elective Courses List
For students admitted after the 2024 Academic Year

Required courses：72 credits

Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	S1 Year 3	S2 Year 3	S1 Year 4	S2 Year 4	Note
Economics	Required	3	√								
Business Management	Required	3	√								
Introduction to Computer	Required	3	√								
Program Design	Required	3	√								
Calculus	Required	3		√							
Accounting	Required	3		√							
Object-Oriented Programming(I)	Required	3		√							
Introduction to Information Management	Required	3		√							
Object-Oriented Programming(II)	Required	3			√						
Statistics(I)	Required	3			√						
Computer Network	Required	3			√						
Marketing Management	Required	3			√						

Required courses：72 credits

Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	S1 Year 3	S2 Year 3	S1 Year 4	S2 Year 4	Note
Web Pages Programming	Required	3				√					
Database Management	Required	3				√					
Electronic Commerce	Required	3				√					
Statistics(II)	Required	3				√					
Management Information Systems	Required	3					√				
Data Structures	Required	3					√				
Project Management	Required	3					√				
Systems Analysis and Design	Required	3					√				
Project Development(I)	Required	3						√			
Operating Systems	Required	3						√			
Project Development(II)	Required	3							√		
Information Ethics and Law	Required	3							√		

Elective courses 24 credits

Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	S1 Year 3	S2 Year 3	S1 Year 4	S2 Year 4	Note
Network Planning and Management Study	Elective	2			√						
Information Technology Trend and Practical Business English	Elective	3			√						
Data and Design Thinking	Elective	3				√					
Python Programing	Elective	3				√					
Customer Relationship and Service Management	Elective	3				√					

Elective courses 24 credits										
Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	S1 Year 3	S2 Year 3	S1 Year 4	S2 Year 4	Note
Organizational Behavior	Elective	3				√					
Social Media Management and Analysis	Elective	3				√					
SCM and Enterprise Resource Planning	Elective	3				√					
Creative Thinking and Problem Solving	Elective	3					√				
Information Technology & Service Innovation	Elective	3					√				
Data Analysis Techniques and Applications	Elective	3					√				
Information and Technology Management	Elective	3					√				
Sustainable Commerce Research	Elective	3					√				
Smart campus Information Technology Application Implementation Project	Elective	3					√				
Investment and Financial Management Practice	Elective	3					√				
Data Analytics and Visualization	Elective	3					√				
Advanced Database Management	Elective	3					√				
Machine Learning	Elective	3					√				
Patent Information for Technology Management	Elective	3						√			
Human Resource Management	Elective	3						√			
Mobile Commerce	Elective	3						√			
Advanced Network Protocol and Software	Elective	2						√			

Elective courses 24 credits										
Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	S1 Year 3	S2 Year 3	S1 Year 4	S2 Year 4	Note
Defined Network										
Enterprise Visiting	Elective	4						√		
Managerial Mathematics	Elective	3						√		
Digital Marketing	Elective	3						√		
Internet of Things	Elective	3						√		
Unmanned Vehicle Design and Application	Elective	3						√		
Internet of Things Technology Application Implementation Project	Elective	3						√		
English Presentation Practice	Elective	3						√		
Financial and Economic News Study	Elective	3						√		
Innovative Practical Applications of Artificial Intelligence	Elective	3						√		
Unmanned Aerial Vehicle Design	Elective	3						√		
Data engineering and Applications	Elective	3						√		
Artificial Intelligence System and Practice I	Elective	1						√		
Open Data System and Practice I	Elective	1						√		
Social Network System and Practice I	Elective	1						√		
Information Technology and Practice I	Elective	1						√		
Internship II	Elective	6						√			Classes are only

Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	S1 Year 3	S2 Year 3	S1 Year 4	S2 Year 4	Note
Elective courses 24 credits											
											offered during the summer vacation.
Front-End Web Development	Elective	3							√		
Java Script Application Design	Elective	3							√		
Information Retrieval	Elective	3							√		
Information Technology and Corporate Strategy	Elective	3							√		
Knowledge Management Research	Elective	3							√		
Artificial Intelligence System and Practice II	Elective	1							√		
Open Data System and Practice II	Elective	1							√		
Social Network System and Practice II	Elective	1							√		
Information Technology and Practice II	Elective	1							√		
Internship I	Elective	9								√	
Internship III	Elective	9								√	
Information Technology and Business Models	Elective	6								√	
Data Mining and Knowledge Discovery	Elective	3								√	
Supply Chain Management	Elective	3								√	
Applications of Artificial Intelligence in	Elective	1								√	

Elective courses 24 credits										
Course Name	Type	Credits	S1 Year 1	S2 Year 1	S1 Year 2	S2 Year 2	S1 Year 3	S2 Year 3	S1 Year 4	S2 Year 4	Note
Business										

- The minimum required credits for graduation are 128, with 72 credits from required courses in the major (department), 8 credits of required courses designated by NUK, 24 credits from general education electives, and 24 credits from other electives. ①Among the other elective courses, students must complete at least 15 credits within the IM Department and can take up to 9 credits of compulsory or elective courses from other departments. ② Alternatively, students can select to complete all 24 elective credits by taking courses within the IM Department.

- For the Form 5 graduates : The student graduated from a senior secondary school in a foreign country, Hong Kong, or Macao, and their graduating year is academically equivalent to the second grade of a senior secondary school in Taiwan. Those admitted with equivalent qualifications must have a minimum of 140 credits upon graduation.

  Students who take the courses that meet the requirements (Note 1) can apply for exemption before enrollment.

  Note 1: Standards for Recognition of Equivalent Educational Levels for University Admission; Regulations Governing the Assessment and Recognition of Mainland Area Academic Records; Regulations Governing the Examination and Recognition of Educational Records from Hong Kong and Macao; Students who take courses organized by Taiwan's universities/ colleges Continuing Education Programs.

- NUK fulltime undergraduate students are required to pass the basic competency tests for graduation:

  1. English proficiency qualification examination (according to NUK's Implementation Regulations for Graduation Requirements on English Proficiency Assessment.)

  2. Information literacy qualification examination (according to NUK's Implementation Regulations for the Basic Information Competence Assessment.)

- According to NUK's graduation rules, the Department of Information Management recognizes the professional applied law course Information Ethics and Law (3 credits).

- The minimum number of credits required for graduation from Department of Information Management includes credits from professional applied law courses.