

National Yunlin University of Science and Technology Specifications for the Review of Minor Degree

- Modified and approved at the 45th university senate meeting, March 22, 2006
- Modified and approved at the 46th university senate meeting, June 29, 2006
- Modified and approved at the 47th university senate meeting, November 15, 2006
- Modified and approved at the 52nd university senate meeting, December 27, 2007
- Modified and approved at the 55th university senate meeting, June 6, 2008
- Modified and approved at the 61st university senate meeting, October 6, 2009
- Modified and approved at the 65th university senate meeting, October 26, 2010
- Modified and approved at the 68th temporary university senate meeting, May 6, 2011
- Modified and approved at the 69th temporary university senate meeting, May 25, 2011
- Modified and approved at the 71st university senate meeting, October 12, 2011
- Modified and approved at the 73rd university senate meeting, April 20, 2012
- Modified and approved at the 74th university senate meeting, June 1, 2012
- Modified and approved at the 79th university senate meeting, October 1, 2013
- Modified and approved at the 81st university senate meeting, March 18, 2014
- Modified and approved at the 82nd university senate meeting, May 28, 2014

I. Department of Mechanical Engineering:

Four-year system:

- (1) Selectable departments: all other departments in university
- (2) Prerequisites: Calculus, General Physics
- (3) Required courses: Applied Mechanics (I)(2), Applied Mechanics(II)(2), Thermodynamics(3), Mechanical Design(3), Flow Dynamics(3)
- (4) Optional required subjects: Any 9 credits of the professional required subjects in the departments
- (5) Credits requirement: 22 credits

Two-year system:

- (1) Selectable departments: All other departments in university
- (2) Prerequisites: NO
- (3) Required subjects: Any 21 credits of the professional subjects approved by the department head.
- (4) Credits requirement: 21 credits

II. Department of Electrical Engineering:

Four-year system:

- (1) Selectable departments: Except for Electronic Engineering department, all the other departments are available.
- (2) Prerequisites: NO
- (3) Required courses: Circuitry (I, II) (6), Electronics (I, II) (6), Signal and System (3), Introduction of Computer Science (3)
- (4) Optional required subjects: Any 6 credits of the professional required subjects in the departments.
- (5) Credits requirement: 24 credits

Two-year system:

- (1) Selectable departments: Except for Electronic Engineering department, all the other departments are available.
- (2) Prerequisites: NO
- (3) Required courses: The required subjects of the 2-year Technology Colleges in that academic year. (Except for Senior Project I & II, Professional Ethics and Intellectual Property Rights)
- (4) Optional required subjects:
- (5) Credits requirement: 24 credits

III. Department of Electronic Engineering:

Four-year system:

- (1) Selectable departments: Except for Electrical Engineering department, all the other departments are available.
- (2) Prerequisites: NO
- (3) Required courses: Circuitry (I) (3), Electronics (I, II) (6), Electronics Practice(I)(1), Digital Logic Design(3), Electrodynamics (3).
- (4) Optional required subjects: Any 7 credits of the professional required subjects in the departments.
- (5) Credits requirement: 23 credits

Two-year system:

- (1) Selectable departments Except for electrical engineering department, all other graduates from other departments of electronic and electrical branches.
- (2) Prerequisites: NO

(3)Required courses: On the basis of the required courses of each year (Except for Special Topics).

(4)Credits requirement:20 credits

IV. Department of Safety, Health and Environmental Engineering:

Four-year system:

(1)Selectable departments: All other departments in university

(2)Prerequisites: Calculus(3)

(3)Required courses: 20 credits in total of the professional required subjects in the department.

(4)Credits requirement:20 credits

V. Department of Chemical and Materials Engineering:

Four-year system:

(1)Selectable departments: all other departments in university

(2)Prerequisites: Calculus, Chemistry (1)(2).

(3)Required courses: Chemical Thermodynamics (3), Reaction Engineering (3), Unit Operation and Transport Phenomena (I, II) (6), Programming Design (3).

(4)Credits requirement: 24 credits

Two-year system:

(1)Selectable departments: All other departments in university

(2)Prerequisites: Calculus, Chemistry (1)(2), Engineering Mathematics.

(3)Required courses: Chemical Thermodynamics (3), Reaction Engineering (3), Unit Operation and Transport Phenomena (I, II) (6), Programming Design (3).

(4)Credits requirement:23 credits

VI. Department of Construction Engineering:

(1)Selectable departments: All other departments in university

(2)Credits requirement: 24 credits (12 credit are professional required course of our department)

(3)The above regulations are applied to 2-year-system students.

VII. Department of Industrial Engineering and Management:

(1)Selectable departments: All other departments of 4-year-system in university.

(2)Prerequisites: NO

(3)Required courses: Production Management (3), Quality Management (3), Engineering Economics (3), Operations Research (I)(3), Operations Research (3).

(4)Optional required subjects: Any 6 credits of the professional required subjects in the department of 4-year system.

(5)Credits requirement:21 credits

VIII. Department of Business Administration:

Four-year system:

(1)Selectable departments: All other departments in university.

(2)Prerequisites: Accounting, Management Science

(3)Required courses: Financial Management (3), Marketing Management (3), Organization Theory and Management (3), Human Resource Management (3), Production & Operation Management (3).

(4)Optional required subjects: Any 3 subjects among Management Accounting (3), Business Policy(3), Information Management(3), Commercial Law(3), International Business Management(3) and Management Psychology(3).

(5)Credits requirement: 24 credits

Two-year system:

(1)Selectable departments: All other departments in university

(2)Prerequisites: NO (Must have studied accounting and management in college or university)

(3)Required courses: Financial Management (3), Marketing Management (3), Organization Theory and Management (3), Human Resource Management (3), Production & Operation Management (3).

(4)Optional required subjects: Any 3 subjects among Management Accounting (3), Business Policy(3), Information Management(3), Commercial Law(3), International Business Management(3) and Management Psychology(3).

(5)Credits requirement:24 credits

IX. Department of Business Administration:

Four-year system:

(1)Selectable departments: All other departments in university

(2)Prerequisites: Introduction of Computer Science, Calculus.

- (3)Required courses: System Analysis and Design (3), Database Management System (3), information Network (3), Management Information System (3).
- (4)Optional required subjects: Any 4 courses of the professional required subjects in the department.
- (5)Credits requirement:24 credits

Two-year system:

- (1)Selectable departments: All other departments in university
- (2)Prerequisites: NO
- (3)Required courses: System Analysis and Design (3), Database Management System (3), information Network (3), Management Information System (3).
- (4)Optional required subjects: Any 3 courses of the professional required subjects in the department.
- (5)Credits requirement:21 credits

X. Department of Finance:

- (1)Selectable departments: All other departments in university
- (2)Prerequisites: Accounting, Economics.
 - (3)Required courses: Financial Management (3), Investments (3), Monetary Banking, Financial Institutions Management (3), International Financial Management (3).
- (4)Optional required subjects: Any 3 courses of the professional required subjects in the department.
- (5)Credits requirement:24 credits

XI. Department of Accounting:

- (1)Selectable departments: All other departments in university
- (2)Prerequisites: Accounting (or Accounting I), Economics (or Economics I)
- (3)Required courses: Intermediate Accounting (I)(II)(6), Cost and management Accounting (I)(II)(6), Auditing (I)(II)(6).
- (4)Optional required subjects: Any 2 subjects among Laws and Regulations in Taxation (I)(II)(6), Tax Accounting(3), Accounting Information System(3), Advanced Accounting(I)(3), Financial Statements Analysis(3), Company Law(3) and Bill Law(3).
- (5)Credits requirement:24 credits

XII. Department of Industrial Design:

- (1) Selectable departments: All other departments in university
- (2) Prerequisites: NO
- (3) Required courses: Basic Design (I) (4), Basic Product Design (I) (4), Product Design (I) (4), total 12 credits.
- (4) Optional Required Subjects:
 - (i) Design department students: The professional required subjects in the department (Except for Basic Design (I)(II), Basic Product Design(I)(II), Product Design(I)(II) and Dissertation Design(I)(II), total in 12 credits.
 - (ii) Non-design department students: Common required credits are 12 in the department.
- (5) Credits requirement: 24 credits
- (6) The above regulations are applied to 2-year-system students.

XIII. Department of Visual and Communication Design:

- (1) Selectable departments: All other departments in university
- (2) Prerequisites: NO
- (3) Required courses: Basic Design (I)(IV), Visual Information Design(I)(V), Brand Design(I)(V).
Design department students: Typography (I) (2), Typography (II) (2), Visual Information Design (I)(V), Brand Design(I)(V).
- (4) Optional required subjects: Any 10 credits of the professional required subjects in the department.
- (5) Credits requirement: 24 credits
- (6) Other stipulations: All the courses and subjects must all keep in the order from low grades to high grades.

XIV. Department of Architecture and Interior Design:

- (1) Selectable departments: All other departments in university
- (2) Prerequisites: NO
- (3) Required courses: Either Interior Design (I)(4) or Architectural Design(I)(4), either Interior Design (II)(4) or Architectural Design(II)(4), either Interior Design (III)(4) or Architectural Design(III)(4), either Interior Design (IV)(4) or Architectural Design(IV)(4)
- (4) Optional required subjects: NO

- (5)Credits requirement:24 credits
- (6)Others
- (7)The above regulations are applied to 2-year-system students.

XV. Department of Applied Foreign Languages:

Four-year system:

- (1) Selectable departments:
 - (i)All other departments in university
 - (ii)Quota: Year enrollment number minus actual registration number is the total quota of transferring from one department to another department, double majors, and minor degree.
 - (iii)Shortfall in 4-year Technology College and 2-year Technology College could be retained mutually.
- (2) Prerequisites: NO
- (3) Required courses: Elementary Writing (I)(2), Elementary Writing(II)(2), Oral Practice(I)(2), Oral Practice(II)(2), Professional Reading(2).
- (4) Optional required subjects: Any 12 credits of the professional required subjects in the department.
- (5)Credits requirement: Common required credits are 22 in the department.

XVI. Department of Cultural Heritage Conservation:

- (1)Selectable departments: All other departments in university
- (2)Prerequisites: NO
- (3)Required courses: Introduction to Cultural Anthropology (3), Introduction to Museology (3), Introduction to Sociology (3), Introduction to Community Empowerment(3), Introduction to Conservation Science(3), Introduction to Cultural Heritage Conservation(2), The History of Taiwan and Introduction to Historical Materials (3), Theory of Conservation and Restoration(2), Culture Industry (2).
- (4)Credits requirement:24 credits
- (5)The above regulations are applied to 4-year-system and 2-year-system students.

XVII. Department of Digital Media:

- (1)Selectable departments: all other departments in university
- (2)Prerequisites: NO

- (3) Required courses: Basic design (I)(2), Basic design (II)(2), Senior Project (I)(5), Senior Project (II)(5), total in 14 credits.
- (4) Optional required subjects: Any 14 credits of the professional required subjects in the departments
- (5) Credits requirement: 28 credits
- (6) The above regulations are applied to 4-year-system students.

XVIII. Department of Creative Design:

- (1) Selectable departments: All other departments in university
- (2) Prerequisites: NO
- (3) Required courses: Basic Design (I)(4), Creative Design(I)(4), Creative and Integrated Design(I)(4)
- (4) Optional required subjects:
 - (i) Design department students: The professional required subjects in the department (Except for Basic Design (I)(II), Creative Design(I)(II), Creative and Integrated Design(I)(4) and Dissertation in Creative(I)(II), total in 11 credits.
 - (ii) Non-design department students: Common required credits are 12 in the department.
- (5) Credits requirement: 23 credits

XIX. Department of Computer Science and Information Engineering:

- (1) Selectable departments: All other departments in university
- (2) Prerequisites: NO
- (3) Required courses: Digital Logic Design (3), Digital Logic Design Lab.(1), Data Structure(3), Computer Algorithm(3), Computer Organization(3), Operating System(3), Computer Network(3)
- (4) Optional required subjects: Any 4 credits of the professional required subjects in the departments
- (5) Credits requirement: 23 credits