National Taiwan Ocean University

0501-Department of Systems Engineering and Naval Architecture (For the academic year 2024; Admission Status: International Students)

Subject category	Subject name	Credit points	Cross-disciplinary subjects	First academic year		Second academic year		Third academic year		Fourth academic year		Fifth academic year		Remarks
				F	S	F	S	F	S	F	S	F	S	
General education courses	Chinese	4	Unlimited	2	2									2 credits each semester.
	Introduction to Artificial Intelligence B9M01024	2	Unlimited	2										Required Liberal arts Courses for Freshmen
	11- Liberal arts courses	14	4	2,2	2	2	2	2	2					1.The courses in this field include the four major sub-domains: "Humanistic Exploration," "Social Dynamics," "Technological Innovation," and "Cross-Disciplinary Sustainability." A minimum of 2 credits is required for "Cross-Disciplinary Sustainability," and each domain can be credited for a maximum of 4 credits.2.College of Engineering course regulations: Open elective courses in the four major domains.3.The credit distribution for elective courses each semester as shown in the liberal arts courses is for graduation qualification review and credit transfer purposes only. For details on elective credit distribution and course regulations specific to each department, please refer to the General Education Center's website under "Liberal Arts Courses" for "Credit Allocation and Course Regulations for Required Courses

														by Department Starting from the 2010 Academic Year."
	Introduction to Oceanography B9M01Z64	2	Unlimited		2									
	English B9B01968、B9B01969	4	Unlimited	2	2									
	38- Advanced English	2	Unlimited			2								
	19- Physical education courses	0	Unlimited	0	0	0	0							
	English Graduation Requirements B9D03TVS	0	Unlimited					0						According to the implementation guidelines for the English graduation threshold of our university, students who do not meet the university's English proficiency standards during their course of study must provide proof of non-compliance. After verification by their respective departments, they are required to take the " Essential English" course (zero credits) in place of the English proficiency test. Only those who pass this course can graduate.
	Swimming Graduation Requirements B92A12P5	0	Unlimited		0									Those who meet one of the following conditions will be considered eligible: 1. Completed a swimming course during the academic period. 2. Participated in the school's swimming proficiency test and received certification for completing a fifty-meter swim from the Physical Education Office. 3. Previously engaged in swimming competitions, with recognized participation or performance

														certificates from the organizing authority. 4. Certified by a medical professional as unfit or unable to participate in swimming activities, with a specified period during which swimming is prohibited, and this period exceeds the remaining duration of the student's enrollment at the school.
Subtotal of general education course credits		28		10	8	4	2	2	2	0	0	0	0	
Departmental required courses	Calculus (I) B5101M9J	3	Unlimited	3										
	Engineering Graphics B5101P76	2	Unlimited	2										
	Introduction to Computer Science B5101992	2	Unlimited	2										
	Statics B5101U24	2	Unlimited	2										
	Introduction to Naval Architecture B5101K3J	3	Unlimited	3										
	Calculus (Ⅱ) B5101M9N	3	Unlimited		3									Students who score below 40 in Calculus II are not permitted to enroll in Engineering Mathematics I or II.
	General Physics B5101L66	3	Unlimited		3									
	Mechanics of Material B5101690	3	Unlimited		3									
	Dynamics B5101H30	3	Unlimited		3									
	Buoyancy & Stability B5101W37	3	Unlimited		3									

	Engineering Mathematics (I) B510208A	3	Unlimited			3								Students who score below 40 in Calculus II are not allowed to take Engineering Mathematics I or II.
	Introduction of System Engineering B510272C	2	Unlimited			2								
	Introduction to Acoustics B51024S3	3	Unlimited			3								
	Engineering Mathematics (Ⅱ) B5102088	3	Unlimited				3							Students who score below 40 in Calculus II are not allowed to take Engineering Mathematics I or II.
	Fluid Mechanics B5102925	3	Unlimited				3							
	Electric circuit B5102P48	3	Unlimited				3							
	Operation Research B510266H	2	Unlimited				2							
	Internal Combustion Engine B5102152	3	Unlimited				3							
	Engineering Probability and Statistics B510308R	3	Unlimited					3						
	Linear Systems B5103S69	2	Unlimited					2						
	Mechatronics System Integration B5103T9E	3	Unlimited					3						
	B51034S5	3	Unlimited					3						
	Design Examples Implementation B51031DR	3	Unlimited						3					
	Resistance and Propulsion B5103K2U	3	Unlimited						3					

	Ship Structure and Strength B5103K39	3	Unlimited						3					
Subtotal of departmental mandatory elective credits		69		12	15	8	14	11	9	0	0	0	0	
Total credits		97		22	23	12	16	13	11	0	0	0	0	
Total required credits		97												
Minimum elective credits		35												
Minimum graduation credits		132												
Note on minimum elective credits														
Note on minimum graduation credits														
Remarks		1. Courses from other departments (excluding Physical Education, Military Training, the General Education Center's Liberal Arts Division, Language Division, and courses offered by the Department of Applied English) may account for up to 18 credits. 2. Students must choose one area of study within the department and complete 9 credits in that area. 3. Courses in programming languages must total 3 credits (choose one from VB Programming, C Programming, Matlab Programming, Fortran Programming, Numerical Analysis, or Java; limited to courses offered by the College of Engineering, College of Electrical Engineering and Computer Science, etc.). 4. Students pursuing a double major in this department must complete all required courses for this major.												