National Taiwan Ocean University

0502-Department of Harbor and River Engineering (For the academic year 2024; Admission Status: International Students)

Subject category	Subject name	Credit points	Cross- disciplinary	Fin acad ye	rst emic ar	Sec acad ye	ond emic ar	Th acad ye	ird emic ar	Fou acade ye	irth emic ar	Fi acad ye	fth emic ar	Remarks
			subjects	F	S	F	S	F	S	F	S	F	S	
	Chinese	4	Unlimited	2	2									Courses with different course codes are acceptable as long as the required credits are completed.
	Introduction to Artificial Intelligence B9M01024	2	Unlimited	2										Core liberal arts courses are recognized under the 'Science and Society' domain.
	English B9B01968、 B9B01969	4	Unlimited	2	2									
	38- Advanced English	2	Unlimited			2								
	Introduction to Oceanography B9M01Z64	2	Unlimited		2									
General education courses	11- Liberal arts courses	14	4	2,2	2	2	2	2	2					 Courses in this domain: The courses in this domain 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. College of Engineering course regulations: Elective courses are open for selection from the four major domains.

										3. Credit distribution: The credit distribution for elective courses each semester, as shown in the liberal arts courses, is only for graduation qualification review and credit transfer purposes. 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."
22-Service-Learning Program-Campus Service	0	Unlimited	0	0						One hour of weekly internship can also be substituted by taking 'Service Learning - Community Service' for credit.
19- Physical education courses	0	Unlimited	0	0	0	0				Two hours of class per week.
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 ge credits	eneral education course	28		10	8	4	2	2	2	0	0	0	0	
	Special Topic Research(I) B5203I3I	2	Unlimited						2					
Departmental required courses	Calculus B5211M97 B5221M97	6	Unlimited	3	3									
	General Physics B5211L66 \ B5221L66	4	Unlimited	2	2									

General Physics Lab. B5211L6K、 B5221L6K	2	Unlimited	1	1						Two hours of internship per week.
Surveying (I) B5201M1B	2	Unlimited	2							
Practice of Surveying (I) B5201M1C	1	Unlimited	1							Four hours of internship per week.
Engineering Graphics and Computer Drawing B521108N B522108N	2	Unlimited	1	1						Two hours of internship per week.
Surveying (Ⅱ) B5201M1A	2	Unlimited		2						
Practice of Surveying (II) B5201M12	1	Unlimited		1						Four hours of internship per week.
Statics B5201U27	3	Unlimited		3						
Engineering Mathematics (I) B520208A	3	Unlimited			3					
Engineering Materials B5202071	2	Unlimited			2					
Practice of Engineering Materials B5202073	1	Unlimited			1					Three hours of internship per week.
Fluid Mechanics (I) B520293B	3	Unlimited			3					
Computer Programming in Matlab B5202ML4	2	Unlimited			2					
Hydrology	3	Unlimited				3				

	B5202262													
	Mechanics of Material B5202690	3	Unlimited				3							
	Engineering Mathematics (II) B5202088	3	Unlimited				3							
	Fluid Mechancis Lab. B520292H	1	Unlimited				1							Three hours of internship per week.
	Structure B5203M55	3	Unlimited					3						
	Soil Mechanics B5203034	3	Unlimited					3						
	Hydraulics of Open Channel B5203M11	2	Unlimited					2						
	Coastal Hydraulics B5203C13	2	Unlimited					2						
	Soil Mechanics Lab. B5203036	1	Unlimited						1					Three hours of internship per week.
	Reinforced Concrete B5203U11	3	Unlimited						3					
	Foundation Engineering B5203I24	3	Unlimited						3					
	Harbour Engineering B5203L85	2	Unlimited						2					
	Coastal Engineering B5203C12	2	Unlimited						2					
Subtotal of delective credits	lepartmental mandatory	67		10	13	11	10	10	13	0	0	0	0	
Т	otal credits	95		20	21	15	12	12	15	0	0	0	0	
Total required credits									95					
Minimu	m elective credits									42				
Minimun	n graduation credits									137				
Note on mir	nimum elective credits													
Note on mini	mum graduation credits													

	Retaking (or making up) required courses is limited to departments within the College of Engineering and the College
Remarks	of Electrical Engineering and Computer Science. Students pursuing a double major within this department only need
	to complete all required courses for this department.