

Maritime Engineering Practice program, MUST

1. Program title: Maritime Engineering Practice Program (two-year bachelor's degree, taught in English).

2. Program Features:

- (1) In response to the demand in Taiwan's maritime engineering sector, integrating related technologies to cultivate talents, aiming to train students from Indonesia who have obtained a diploma from a technical school.
- (2) The duration of study is two years, belonging to a two-year bachelor's degree program. The third and fourth semester includes an off-campus internship, and graduation requires completing at least 72 credits. In the second year, Chinese Language Proficiency Test (TOCFL) must be A2 in the second year of admission.
- (3) The course content integrates industry trends and the needs of collaborating companies, designing professional practical courses to cultivate students' skills in Maritime Engineering, Marine Surveying , Civil Engineering, Wind power equipment maintenance Practices.
- (4) The collaborating companies offer internship opportunities in related fields such as Site Engineers and Site Managers. These companies include Dragon Survey Co., Ltd., RealWorld Surveying and Geomatics Co., Ltd., Greenwish Wind Access Co., Ltd., Hung Hua Construction Co., Ltd, Yanghong Construction Co., Ltd., Yangluck Construction Co., Ltd. , Yangluck Electro mechanic Co., Ltd., Geo3Dearth Systems Co.,Ltd.

3. Institution: Minghsin University of Science and Technology /Department of Civil Engineering and Environmental Informatics/Two-year bachelor's degree program/
Spring semester 2025

4. Curriculum Guideline: Including course language, curriculum content (university curriculum and internship)

(1) Courses Language: Taught in English, supplemented by Chinese.

(2) Curriculum Content:

First Year		Second Year	
First Semester	Second Semester	First Semester	Second Semester
General Courses: 16 Credits/ 16 Course hours (Credits/Course hours)			
Chinese Pronunciation Correction 2/2 Chinese Listening	Chinese (II) 2/2 Chinese Proficiency Test Preparation		

and Speaking Practice 2/2 Chinese (I) 2/2 Chinese Proficiency Test Preparation Tutorial (I) 2/2	Tutorial (II) 2/2 Chinese Reading Comprehension Training 2/2 Chinese Grammar and Writing 2/2		
Required Course: 39 Credits/ 39 Course hours (Credits-Course hours)			
Introduction to Civil Engineering 3/3 Marine Surveying Technology 3/3 Computer Aided Drawing 3/3 ▲	Engineering Drawing Practice 3/3 Civil Engineering 3/3 Offshore Wind Farm Structures and Maritime Engineering 3/3 Offshore & Onshore Wind Operation and Maintenance Engineering 3/3	Internship Practical Training (I) 9/9	Internship Practical Training (II) 9/9
Elective Course: Minimum 17 Credits (Credits-Course hours)			
Construction Management 3/3 Introduction to Electromechanical Systems 3/3 Construction Safety 3/3 Concrete Mix and practice 3/3	Smart Environmental Monitoring Practice 3/3 Engineering quality management and practice 3/3 Building Information Modeling Practice 3/3 ▲ Reinforced concrete practice 3/3	Project Study (I) 9/9	Project Study (II) 9/9

	GIS Lab 3/3 ▲		
General Courses	16 Credits		
Required course	39 credits (include internship which consists of 18 credits)		
Elective course	At least 17 credits must be completed		
Total minimum credits	72 credits		
Note	▲ Computer Lab		

5. Entry Requirement:

Admission requirement: The English Language Proficiency level must be at least CEFR level B1 or above. Chinese Language Proficiency Test (TOCFL) must be A2 in the second year of admission. (Both listening and reading must be level A2 or above)

6. Requirement for graduation:

Credits: 72 credits, including required courses 55 credits (include internship which consists of 18 credits), elective courses minimum 17 credits.

7. Post-Graduation Employment Obligations:

The obligation period for students hired corresponds to the duration of receiving the corporate living allowance. For instance, those receiving a 2-year living allowance from the industry are obligated to work for a period of 2 years.

If student successfully passes assessments conducted by both the school and the industry, completes their academic requirements, and obtains a degree, the collaborating industries have the right to hire and provide suitable positions and salary not less than the average salary in the same field. The employment should align with the vacancies provided by the industry and the competency requirements for the positions as outlined below:

No.	Collaborating Company	Job/Positions		Skill Requirement
1	銓日儀企業有限公司 Dragon Survey Co., Ltd. www.dragon-geosciences.com	Marine Surveyor	3	Ocean exploration and related data processing
2	詮華國土測繪有限公司 RealWorld Surveying and Geomatics Co., Ltd. www.chuanhwa.com.tw/en	Marine Surveyor	2	Ocean exploration and related data processing
3	格緯旭風能股份有限公司 Greenwish Wind Access Co., Ltd. www.greenwish.com.tw	Wind power equipment maintenance	2	Wind power equipment maintenance

		technician		related practices
4	宏華營造股份有限公司 Hung Hua Construction Co., Ltd. www.hunghua.com.tw/index_tw.php	Assistant Maritime Engineer	3	Harbor, civil engineering, electrical machinery, ship related practices in Maritime engineering
5	揚宏營造股份有限公司 Yanghong Construction Co., Ltd. https://www.twincn.com/item.aspx?no=90068070 	Assistant Maritime Engineer	4	Harbor, civil engineering, electrical machinery, ship related practices in Maritime engineering
6	揚運營造股份有限公司 Yangluck Construction Co., Ltd. https://www.twincn.com/item.aspx?no=90398332	Assistant Maritime Engineer	4	Harbor, civil engineering, electrical machinery, ship related practices in Maritime engineering
7	揚運機電股份有限公司 Yangluck Electromechanic Co., Ltd. https://www.twincn.com/item.aspx?no=98645791	Assistant Maritime Engineer	4	Harbor, civil engineering, electrical machinery, ship related practices in Maritime engineering
8	數位地球科技有限公司 Geo3Dearth Systems Co.,Ltd. https://www.geo3dearth.com.tw/Web2023/About.aspx 	Assistant Engineer in Marine Information Processing	2	Filtering, processing and mapping of oceanographic survey data
total	8 companies		24 job openings	

8. Tuition Fee and Scholarships:

(1) Tuition and Miscellaneous Fee: Please refer to the Tuition and Miscellaneous

Fees of the University for details.

(2) Include the first and second year of National Development Fund Scholarships qualifications.

Unit	Content	Limit	Note
National Development Fund	Administrative fees for arrival in Taiwan	The maximum amount is NTD \$10,000.	One-time subsidy covering prearrival health check expenses, visa fees, and document verification fees.
	One-way flight ticket	The maximum amount is NTD\$ 9,000.	One-time subsidy, the airfare is verified based on the economy class one-way ticket for the most direct route to Taiwan.
	Industry-Academia Collaboration Scholarship	<p>First Year: Tuition and miscellaneous fees are provided to students in their first year of enrollment.</p> <p>Second Year: For student who reach TOCFL A2 or above and after reviewing the scores and performance by the school and collaborating industry, tuition and miscellaneous fee subsidies will be awarded based on merit.</p>	<p>1. Subsidies will be granted based on the actual tuition and miscellaneous fees payable by students to the school, with an annual maximum subsidy of NTD\$ 100,000 (One semester maximum of NTD\$ 50,000).</p> <p>2. A maximum of two years of tuition and miscellaneous fee subsidies will be provided.</p> <p>3. obligations for staying in Taiwan for employment will apply based on the number of years the scholarship is received. Specifically, recipients of the scholarship for one year will have a oneyear obligation to stay in Taiwan for employment, and those receiving the scholarship for two years will have a two-year obligation to stay in Taiwan for employment.</p>
University	Study Scholarship	Reduce computer and internet usage fees by	The accommodation fee waiver is only available for

		NTD\$ 1,210. Reduce accommodation fees by NTD\$ 10,100 for one semester.	those who apply for on-campus accommodation.
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(3) Industry-Academia Collaboration Scholarship Requirement

Student who withdraws from the specialized program or fails to fulfill employment contract after graduation, the repayment principles for the scholarships as follows:

1. If the circumstances are not under student control, there is no requirement for repayment:
 - (1) Due to the operational adjustment, the original collaborating industry ceases to provide living allowance to student during their learning and student is unable to achieve additional support from other industry, leading the student's withdrawal from the specialize program.
 - (2) Due to the operational adjustment, the original collaborating company has no job vacancies available for employment upon the student's graduation and, and despite the school's efforts in providing career guidance and facilitating job placement, the student is unable to secure suitable employment opportunities.
 - (3) If the collaborating company, during the student's employment period, encounters situations as specified in Article 14, Paragraph 1 of the Labor Standards Act, leading the student to terminate the contract, and despite the school's efforts in providing career guidance and facilitating job placement, the student is still unable to find a suitable company for subsequent employment.
 - (4) Student's death, severe illness, or an unforeseen accident preventing them from continuing their studies or employment, a certified document issued by a teaching hospital rated at or above the level of accreditation by the Ministry of Health and Welfare, stating the student's inability to continue education or employment, or in cases where significant family upheaval due to an accident prevents the student from pursuing education or employment, as verified by the school.
2. If the circumstances are under student control, requirement for repayment:
 - (1) Withdrawal from the specialized program during the academic period due to personal reasons such as applying for transfer, changing majors, absence, or returning to one's home country. Even after guidance provided by the school, if the student chooses to leave the specialized

program or if the school, in accordance with its regulations, initiates withdrawal or expulsion.

- (2) Poor academic performance, failure to meet the evaluation standards set by both the school and the collaborating industry. Even after school guidance, student fails improve, and in accordance with the school regulations, the student faces withdrawal or expulsion. In such cases, the student is required to repay the previously received industry-academia scholarships.
- (3) After graduation, student chooses not to pursue employment with the collaborating industry or in the relevant industrial field, or if, after employment, the student violates company regulations leading to lawful termination of the labor contract, and after school guidance, no improvement is observed, the student is obligated to repay the received industry-academia funding.
- (4) If a student, during the employment period with the collaborating industry, does not complete the specified duration for receiving industry-academia scholarship, repayment should be made based on the proportion of the remaining months unemployed; for periods less than one month, one month's repayment is required.

9. Living allowance requirement:

(1) Living Allowance:

Unit	Content	Limit	Note
Collaborating companies of the program	Living Allowance	During the student's academic period and before participating in the internship, the monthly stipend is set at NTD\$ 10,000 per person.	After graduation, students are obligated to seek employment in Taiwan. Industries who provide subsidies have the right to prioritize the employment of these students, aiming to expedite the recruitment of the necessary mid-to-high level talents.
	Internship Allowance	During the off-campus internship period, each person will receive a monthly internship allowance not less than the minimum wage, with overtime pay calculated separately.	

(2) Living Allowance Requirement:

Student who withdraws from the specialized program or fails to fulfill employment contract after graduation, the repayment principles for the living allowance as follows:

1. If the circumstances are not under student control, there is no requirement for repayment:
 - (1) Due to the operational adjustment, the original collaborating industry ceases to provide living allowance to student during their learning and student is unable to achieve additional support from other industry, leading the student's withdrawal from the specialize program.
 - (2) Due to the operational adjustment, the original collaborating company has no job vacancies available for employment upon the student's graduation.
 - (3) If the collaborating company, during the student's employment period, encounters situations as specified in Article 14, Paragraph 1 of the Labor Standards Act, leading the student to terminate the contract, no repayment is needed.
 - (4) Student's death, severe illness, or an unforeseen accident preventing them from continuing their studies or employment, a certified document issued by a teaching hospital rated at or above the level of accreditation by the Ministry of Health and Welfare, stating the student's inability to continue education or employment, or in cases where significant family upheaval due to an accident prevents the student from pursuing education or employment, as verified by the school.
2. If the circumstances are under student control, requirement for repayment:
 - (1) Withdrawal from the specialized program during the academic period due to personal reasons such as applying for transfer, changing majors, absence, or returning to one's home country. Even after guidance provided by the school, if the student chooses to leave the specialized program or if the school, in accordance with its regulations, initiates withdrawal or expulsion.
 - (2) Poor academic performance, failure to meet the evaluation standards set by both the school and the collaborating industry. Even after school guidance, student fails improve, and in accordance with the school regulations, the student faces withdrawal or expulsion.
 - (3) Student is not employed to the collaboration industry 3 months after graduation.
 - (4) If a student, during the employment period with the collaborating industry, does not complete the specified duration for receiving industry-

academia living allowance, repayment should be made based on the proportion of the remaining months unemployed; for periods less than one month, one month's repayment is required.