

Achievement of Industry-Academia Collaboration Program For Indonesian 2-year College

School	: Mingshin University of Science and Technology
Program name: Civil Engineering Industry-Academia Collaboration Program For Indonesian 2-year College	

Program feature

Apart from professional skills, students in this special class are from non-Chinese-speaking countries. Although the students will be subject to short-term basic Chinese language courses before entering Mingshin University, the Chinese language ability is still insufficient to accept subjects in the general Chinese language. Therefore, it needs to be strengthened by Chinese language courses, and the professional courses are also mainly taught in Chinese and supplemented with English, and with the help of Chinese and Indonesian bilingual teaching assistants (this department's senior high school, master's degree, or Indonesian students in the school) to improve students' Chinese language ability and professional knowledge. This special class offers related courses: "Survey Lab", "Construction Materials", "Concrete Mix Design", "Foundation Design and Practice", "Reinforced Concrete Practice", "Water and Soil Conservation", etc. The features of industrial practice (industry-university cooperation practical internship) courses are taught by the personnel of the internship organization and company as the professional instructors. In addition professional skills, students still need to have humanistic qualities to enable them to meet the educational goals of school and the college. Moreover, team spirit and cooperation ability, the understanding the impact of engineering technology on the environment, society, and the world, as well as the understanding of professional ethics and social responsibilities, are all qualities that modern engineers should possess. This class was based on the aims and concepts of the school and the collage. After full discussion and communication between the department's faculty members and the company, also discussion with the Department Course Review Committee, then passed the Department Affairs Meeting, this special class focuses on "cultivating professional skills, Chinese language ability, team spirit, human literacy, and macro perspective of the Civil Engineering and Environmental Informatics talents" as educational goals in order to cultivate this international industry cooperative program students to become modern professional Civil Engineering and Environmental Informatics talents and also have practical experience in civil engineering projects, and to train technical talents for the government's new southward policy.

Cooperative Company

Guidelines for off-campus internships and courses		
Company Name	Teaching Resources and Practical (Internship) Resources Provided by the Company	Corresponding Professional Courses
1. Geo3Dearth Systems Co., Ltd.	Software sales and technical support, system planning and construction, development, and exquisite modeling of 3D objects	Internship Practical Training (I)(II)(III)
2. Mountain Climbing Construction Co., Ltd.	Comprehensive construction	
3. Topone International Engineering Consultants Inc.	1. Architectural BIM modeler, BIM modeler-fire/ air-conditioning/ motor/civil engineering-ICAP function course promotion, 2. BIM teaching, 3. BIM modeling, 4D animation construction, 4. BIM import consultant.	

4. Yung Chu Enterprise Co., Ltd.	Concrete products	
5. Yong Xie Enterprise Co., Ltd.	Concrete products	
6. TOP CRANE Co., Ltd.	Construction industry of tower crane machinery equipment rental	
7. Yung Shin Metalworks Co., Ltd	Aluminum and copper products manufacturing, aluminum doors and windows installation engineering, glass installation engineering and services.	
8. Contracting Joint Work Office of Fu Tsu Construction, Obayashi Corporation, Continental Engineering Corporation	Comprehensive construction	
9. Li Fu Industrial Co., Ltd.	Professional construction industry of architectural curtain wall engineering	

Point Achievement

List of License for Special Class Students

License Category	List of Students	Total Student
1. BIM Builder License	Ainun Khusna ◦ Ika Surya Wandita ◦ Anis Sulalah ◦ Dyah Anggraeni Puspawati ◦	4
2. Passed Concrete Level C Technical Course	Ainun Khusna ◦ Muhammad Ramadhan ◦ Atika Rizoda Putri ◦ Ika Surya Wandita ◦ Maudihoh Khasanah ◦ Nismara Artanti Samsari ◦ Ronnyaldus Mentary Taopan ◦ Febri Wiratama ◦ Jonathan Ricky Tombokan ◦ Haris Bahri Permadi Zebua ◦ Anis Sulalah ◦ Amrico Hanafie ◦ Achmad Irsyam Fikhri ◦ Isroin Badriyah ◦ Daniel Dwi Pemiadinugroho ◦ Reza Kailla Garnet S Hadi ◦ Isyfi Qulubana ◦ Refa Kurnia ◦ Aminudin Mabikafola ◦ Dyah Anggraeni Puspawati ◦ Sonya Oktaviany Banoet ◦	21
3. Concrete Level C License	Ika Surya Wandita ◦ Anis Sulalah ◦ Isroin Badriyah ◦ Sonya Oktaviany Banoet ◦	4
4. Passed Survey Level C Technical Course	Ainun Khusna ◦ Muhammad Ramadhan ◦ Atika Rizoda Putri ◦ Ika Surya Wandita ◦ Maudihoh Khasanah ◦ Nismara Artanti Samsari ◦ Ronnyaldus Mentary Taopan ◦ Febri Wiratama ◦ Jonathan Ricky Tombokan ◦ Haris Bahri Permadi Zebua ◦ Anis Sulalah ◦ Amrico Hanafie ◦ Achmad Irsyam Fikhri ◦ Isroin Badriyah ◦ Daniel Dwi Pemiadinugroho ◦ Reza Kailla Garnet S Hadi ◦ Isyfi Qulubana ◦ Refa Kurnia ◦ Aminudin Mabikafola ◦ Sonya Oktaviany Banoet ◦	19
5. Labor Safety License	Febri Wiratama ◦ Haris Bahri Permadi Zebua ◦ Achmad Irsyam Fikhri ◦ Aminudin Mabikafola ◦	4
6. TOCFL Level A2	Atika Rizoda Putri ◦ Isyfi Qulubana ◦ Refa Kurnia ◦	3
7. TOCFL Level A1	Ainun Khusna ◦ Muhammad Ramadhan ◦ Ika Surya Wandita ◦ Maudihoh Khasanah ◦ Nismara Artanti Samsari ◦ Ronnyaldus Mentary Taopan ◦ Febri Wiratama ◦ Jonathan Ricky Tombokan ◦ Haris Bahri Permadi Zebua ◦ Anis Sulalah ◦ Amrico Hanafie ◦ Achmad Irsyam Fikhri ◦ Isroin Badriyah ◦ Daniel Dwi Pemiadinugroho ◦ Dyah Anggraeni Puspawati ◦ Sonya Oktaviany Banoet ◦	16

Link for Achievement Video provided below:

https://www.youtube.com/watch?v=VuW8f_b0NJU