

Credit Program of the Industry of Precision Drivetrain Components National Kaohsiung First University of Science and Technology



Introduction to the Program

The establishment of the Credit Program of the Industry of Precision Drivetrain Components aims to train students to become qualified professionals required by the industry of precision drivetrain components. The program strengthens students' knowledge of basic subjects and provides them with opportunities to take on practical tasks related to their future jobs so that they will be equipped with abilities required by the industry and be capable of taking on job tasks upon graduation. This is the primary goal of this program.

The courses of this program cover (1) professional techniques, (2) general knowledge, and (3) characteristics of the industry. Professional courses strengthen students' professional knowledge required by the industry. After students finish professional courses, the collaborating corporation will

assign them to different internship positions at relevant manufacturing or research-development institutes based on industrial demands and students' expertise and interests. Such on-site off-campus internships, which last one year, can reinforce students' practical abilities and will become a crucial supply source of professional technicians in the future.

The collaborating corporation is required to devise specific internship plans for students. Moreover, to ensure that students can fully understand the link between the professional knowledge they study in school and the job tasks they take on at the collaborating corporation, the instructor of the internship course is obligated to visit the concerned corporation three times to remind students how they can apply school knowledge to practical work. Meanwhile, student interns need to return to school three times to give mid-term presentations on their internships.

Not only should their presentations elaborate on how they have applied professional knowledge to actual job tasks, but they also have to point out how the internship jobs can be improved. Students are also required to submit a final report, which should conclude their semester-long internships, before they can receive internship credits.

Before students graduate, Hiwin Technologies Corp. will conduct interviews and hire outstanding graduates as full-time employees. The employment criteria are determined by Hiwin Technologies Corp. in accordance with its company policies. In principle, more than 80% of the program graduates can be employed by the concerned corporation. Moreover, Hiwin Technologies Corp. requires students to score at least 500 on TOEIC. Students that do not pass this standard will receive test assistance from the program so that they can also obtain a job at Hiwin Technologies Corp. after graduation. The collaboration between the university and the concerned corporation in talent training will provide students with an excellent learning environment, bridge the gap between school education and industrial practicalities, and equip students with essential professional abilities relevant to their future career.

Proposed Prospects

As a school often lacks a thorough understanding of corporations and can only teach students general theoretical knowledge of particular professions, school courses usually fail to cover all industrial features of corporations. The establishment of this program thus aims to develop career-oriented courses in conformity with the demands of particular industries on technicians. Such career-oriented courses will train students to become qualified professionals with practical skills and abilities so that they can be employed by relevant industries upon graduation. Therefore, this talent-training program will satisfy industrial demands, solidify students' professional quality, strengthen students' practical abilities, and minimize the disparities between school education and industrial practicalities. It is hoped that the program will provide outstanding technicians for the precision machinery industry in Taiwan and further enhance its global competitiveness. The collaboration between the university and the concerned corporation in talent training will help students acquire professional skills required by the machinery industry and further advance the technology of domestic industries. Students that pass evaluations can be employed upon graduation. This way, school education and industries can be connected seamlessly.

Collaborating Corporations,
Factories,
and Companies
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