Human Resources Development Support

We train “people who underpin the advanced MONOZUKURI (manufacturing)” to serve as the foundation of Japan’s industry.

Polytechnic Colleges (Human Resources Development Colleges and Human Resources Development Junior Colleges)

In order to train people who can underpin advanced manufacturing to serve as the very basis of industry, an education and training system is made available that combines practice and study by effectively linking theory with skills and technology in accordance with developments in technical innovation and changes in the industrial structure. In this way, advanced technical engineers can be trained who are capable of handling cutting-edge skills and technology through their mastery of basic manufacturing technology.

1 Education and Training System

○ Specialized Technical Program (2 years)

For high school graduates and others, this program aims to train technical engineers who have the advanced knowledge and skills/technology necessary to respond to technological innovation.

○ Standard Training Courses

Production Technology, Electrical System and Energy Control Technology, Electronic Information Technology, Housing Environment, Architecture

○ Professional Technical Program (2 years)

Those who have completed the Specialized Technical Program may enter this program, which aims to train leaders in production technology and management who are capable of developing new products and designing production processes according to industrial and local needs.

○ Standard Training Courses

Production Mechanic System Technology, Production Electrical System Technology, Production Electronic Information System Technology, Architectural System Engineering

○ Focus on Experiments and Practical Training

About 70% of the sessions are comprised of either experiments or practical training (approx. 3,600 hours total).

● High Employment Rate

Every year, nearly all of the trainees who have completed the programs are able to find jobs, thanks to the education and training that places emphasis on cooperation with local industrial circles and meets the needs of their employment conditions, as well as the most painstaking employment guidance for the students.
2 Joint and Entrusted Research

In order to resolve issues that local small- and medium-sized enterprises and other facilities are facing, such as the need for stronger technical capacity, Polytechnic Colleges engage in joint and entrusted research with these enterprises and facilities, and provide them with technical assistance toward labor-savings and functional improvement, thereby contributing to the community. Moreover, through collaboration with local industry, they ascertain expertise on production floors and the latest technical trends, and use what they learn to enhance experiment and practical training courses.

3 Polytech Vision

The Polytech Vision is an event held annually to introduce the current status and levels of advanced and practical education and training as well as research and development on manufacturing, with the relevant personnel at businesses, high schools, and other organizations in the community. Programs of the Polytech Vision include exhibition of products from training and research, presentation on research achievement, and robot competitions.

Cooperation with Local Technical High Schools, and other Educational Institutions

Polytechnic Colleges seek to promote partnership with the community by implementing training for teachers of local technical high schools as well as manufacturing workshops for high school students.