Osaka University
Career Development Program
(Supported by METI and MEXT)

Advanced Educational Program of Career Development for MONOZUKURI (Manufacturing) based on Social Environment Model of University-Industry Collaboration.

Goal of Human Resources Development

- **Executive Person for Global Business**
  - Core person capable of cultivating broad vision and new business related to global market.

- **Superior Engineer**
  - Innovative engineer capable of creating novel and competitive products to meet the needs of the local market in Asia.

Image of the Expected Human Resources

- Practical Expertise
- Naturalization in Japanese Enterprise
- Business Japanese Language
  - Japanese Language
  - Professional Technology
- Comprehension of Circumstances in own Countries (Culture, Custom, Livelihood)

Bridge Japan with Other Asia Countries

- Invite talented students from Asian countries
- High growth in Asian region
- Improve international competitiveness of Japanese manufacturing
- Overseas subsidiaries of Japanese enterprises
- Local enterprises in Asian countries
- Educate "Superior Engineers skilled in MONOZUKURI and business operation"
- Find employment in global Japanese enterprise
- Career consultation
- Cultivate innovative human resources capable of forging a connection between Japan and Asia

Typical Foreign Image

- Professional Technology
- Japanese Language
- Business Japanese Language
- Naturalization in Japanese Enterprise
- Comprehension of Circumstances in own Countries (Culture, Custom, Livelihood)
Major Subject (more than 30 credits recommended)

- Major field
  Mechanical Engineering, Material and Manufacturing Science, Electrical and Information Engineering, Sustainable Energy and Environmental Engineering, Applied Chemistry and other.

MONOZUKURI (Management of Industry technology) Subject
(more than 20 credits required)

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<tr>
<th>Category</th>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>Environment &amp; Ethic</td>
<td>Life Cycle Engineering</td>
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<td>Advanced Risk Management and Reliability</td>
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<td>Management of Technology Strategy in Environmental Symbiosis</td>
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<td>History and Review for Technology Development with Environmental Symbiosis</td>
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<td>Management and Environmental Symbiosis on Japanese Business</td>
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<td>Engineering Ethics</td>
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<td>Management</td>
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<td>Project Management in Japan</td>
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<td>Exercise on the Job Education I</td>
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<td>Exercise on the Job Education II</td>
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<td>Introduction on Merging of Technology</td>
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<td>Design of Functional Materials and Composites</td>
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<td>Management of Technology and Industry</td>
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<td>Japanese Style MONOZUKURI</td>
<td>Mechanical of Animal Swimming and Biomimetic</td>
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<td>Practical and Technological Production System</td>
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<td>Sustainable Production Technology</td>
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<td>History of Technological Development</td>
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Japanese Language Training

- Japanese Education Program will not only offer lectures, but will provide comprehensive assistance such as through home work supported by International Student Center of Osaka University.

- The both classes of business Japanese language and Japanese business cultures will be provided for students to fit in Japanese enterprise.
  (J1 level at BTJ expected)

Internship Program and Interview with Executives of Enterprises

- Naturalization ability in Japanese enterprise will be developed through the one month internship (two times in two years) and meeting-and-talking with many key Parsons of Japanese enterprises.

Communication Skill in Japanese

On the Job Education and Camp for Practice

- Through the case study and group discussions, the importance of communication and teamwork will be acquired. Moreover, the skill of performing the tasks will be brought up through the practice of solving the problem provided by enterprises.
Achievement

Japanese Language for Business

Business Japanese language training for 480 hours in two years will be conducted by professional instructors with original educational materials. With respect to language, however, the program will not only offer lectures, but will provide comprehensive learning assistance such as through homework.

Internship

One month internship (two times in two years) is implemented. Guidance will be provided by collaborating teachers to facilitate matching between enterprises and students. After the completion of each internship, the briefing session will be held and students will be evaluated by enterprises and their problematic points will be clarified.

Interview for Matching

Several opportunities to exchange opinions with person in charge from enterprises will be given to understand each other before applying for an internship and getting employment.

OJE (Tactical Exercise)

Action Assignments will be provided by enterprises to students who will be grouped. By doing tasks, students will learn about taking responsibility and the initiative in solving problems.

Terakoya-style Camp

All participants (students, teachers, and lecturers from enterprises) stay at some training facility for three days and two nights and debate specific issues to develop the communication skill and solving ability for problems in comprehensive manner.

- Wisdom
- Applied skill
- Communication skill
- Teamwork skill
- Solving ability
- Practice skill
**Steps to Admission**

1. Recruit Candidates
2. Primary Exam.
3. Secondary Exam. And Interview
4. Nomination for Scholarship
5. Final Exam.
6. Acceptance

Select a course in Graduate School of Engineering, Osaka University

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**Organization**

- Graduate School of Engineering
- Consortium of Enterprises: Hitachi, Komatsu, Panasonic, NEC, Kaneka
- Management of Industry and Technology
- Major Field Subjects
- Japanese Language for Business
- Japanese Business Training
- Internship Program
- Cooperation to work well
- Forum for Education
- Cooperating Enterprises: Sony, Sharp, MHI
- Engineering Society
- Job-hunting Support
- Alumni Networks
- Japanese Enterprises

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**About Us**

- Center of Advanced Career Development
- Career Development for Professional Education for Working People
- Career Development for Foreign Students from Asia
- Education for Teaching Staff
- Faculty Development
- Training for Young Researchers

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