



TOHOKU
UNIVERSITY

PhDCキャリアサポート 博士後期課程学生及びポスドク

PhDC supports career development for Ph.D. students and Postdocs



Qualities and Abilities of Ph.D.

**Research
Capabilities**

**Transferrable
Skills**



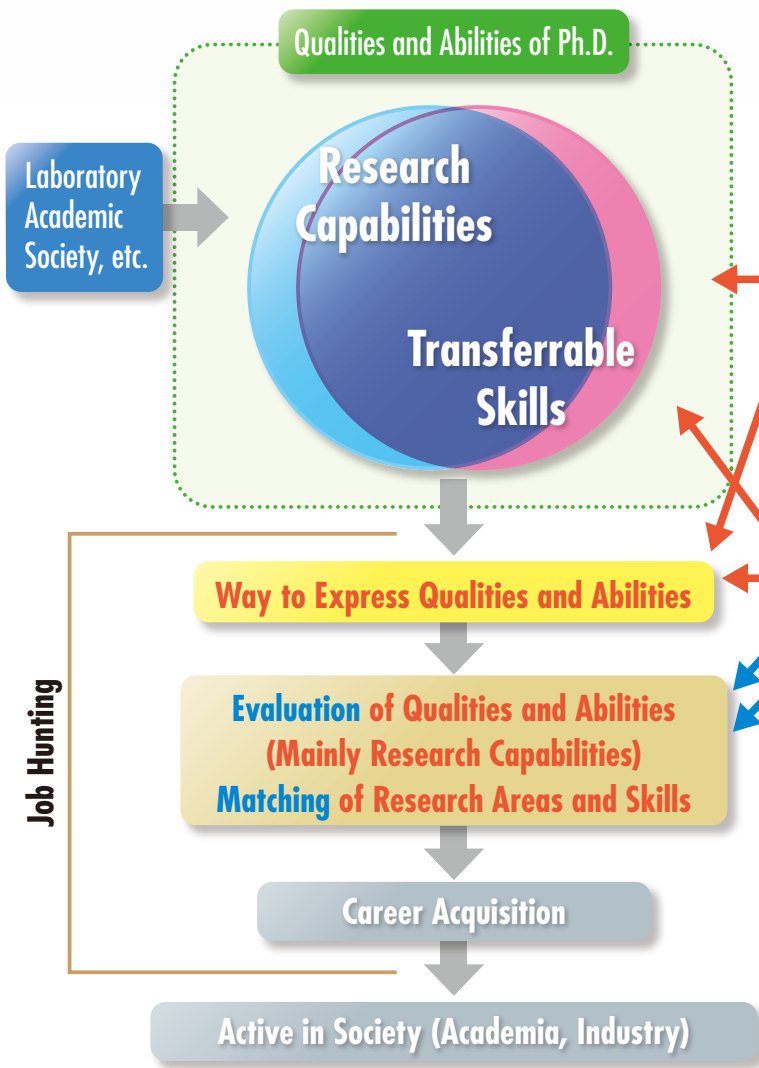
PhDC
Tohoku

東北大学高等大学院機構 大学院改革推進センター
博士人材育成ユニット(PhDC)

Tohoku University Advanced Graduate School
Center for Graduate School Reform
PhD Career Development Unit (PhDC)

Career Development Process and Support Framework for Ph.D. Students and Postdocs

Career Development Process for Ph.D.



PhDC Support Programs

Consciousness Raising Programs	Basic Ph.D. Literacy (Graduate School Common Subject)
	Ph.D. Literacy Fostering Course (For PD & M2 to enter the doctoral program)
	Seminars/Exchange Meetings
Practical Participation Programs	Individual Career Support
	Doctoral Internship (Graduate School Common Subject)
	Job Fair
Other	Information Service

Transferable skills

Basic and general skills acquired through research that can be transferred to fields other than your specialty. And, almost all abilities and skills required to perform work, including research, other than specialized knowledge.

e.g. • Problem finding/solving skills • Information gathering skills • Research strategy • Planning • Teamwork skills • Logic composition skills
• Data analysis • Communication skills • Project management skills • Entrepreneurial spirit etc.

Programs Provided by PhDC

1. Basic Ph.D. Literacy (Graduate School Common Subject) Ph.D. Literacy Fostering Course (For PD & M2 to enter the doctoral program)



- Opportunity to widen your interdisciplinary network.
- Hands-on education program to develop your essential ability necessary in academia and/or industry.
- Enhancement of transferable skills (skills applicable to various fields outside your specialty).

*Open Badge will be issued.



Schedule for 2025

(The spring and fall semesters have the same content. (3h each × 7 sessions and 2day and 1night Training camp)

*Some contents may be subject to change.

Transferable skills in research activity

We discuss and learn, through group work, how to acquire transferable skills necessary for future career development via daily research activity.

Understanding of people and the power of communication

Through some interactive exercises, we learn communication is not only about sharing knowledge but also about mutual understanding. Plan to hold a training camp.

Fundamental project management 1,2,3

Project management is useful in your daily research and much more after employment in business or academia. Major contents include "Gap analysis", "Fishbone", "Pareto analysis", "Gantt chart", "Logical discussions and MECE (Mutually Exclusive and Collectively Exhaustive)", "Critical path analysis", "Alternatives" etc.

What is research integrity?

"Research ethics", "research integrity" in response to the age of open science.

Ambivalence of science 1,2

We consider and discuss the positive and negative aspects of science, some problems lying at the interface between science and society, and the intrinsic limits of science. Group work and presentations(debate) will be given.

2. Seminars and PhDC Exchange Meetings



Human networking and information collection for your career development.

- **Career seminar:** career design for Ph.D. students, Job hunting in Japan.
- **Web exchange:** experiences on job hunting and internship, and various experiences by OB/OG.

3. Individual Career Support



We will individually help you gain a desired career.

- Support for your career development considering the research, skills, individuality, and so on.
- Career counseling and support for job hunting: preparation of application forms and interviews, etc.

4. Doctoral Internship (Graduate School Common Subject)



Research internships with written agreements between companies and our university are eligible.

- Support for selection of internship programs, and matching processes (preparation of application forms and interviews).
- Supporting research internships provided by Coop-J consortium, C-ENGINE, and others.

5. Job Fair



Exchange event between private companies and Ph.D. students/postdocs.

- Dr. Presentations by Ph.D. students and PDs (research, extra activity, etc.); Presentations by private companies (company profiles, business, the expectation for Ph.D., etc.); Information exchange.
- Improving your ability to explain the research for non-specialists.
- Coaching for presentation for job fairs.
- Participation without Dr. presentation (only during the company's presentation) is also possible.

*The language used is mainly Japanese.

6. PhDC Information Service



We use the mailing list to send information about events, job openings, etc.
We also distribute information on shared events of partner universities.

Partners

Consortium for Career Development of Ph.D.

PhDC registrants can participate in partner Universities' career education programs and events.

This consortium is a continuation of a project started in FY2016 by Hokkaido University, Tohoku University, and Nagoya University. Currently, we have expanded our collaboration to include 13 universities: Three universities from the beginning, Niigata University, Tsukuba University, Ochanomizu University, Yokohama National University, Ritsumeikan University, Osaka University, Kobe University, University of Hyogo, Okinawa Institute of Science and Technology, and Tokyo University of Foreign Studies.

Coop-J Consortium

The consortium, established in 2021 under the leadership of MEXT, aims to promote long-term, paid research internships as part of postgraduate education. Tohoku University is a consortium member, and PhDC is the consultation office.

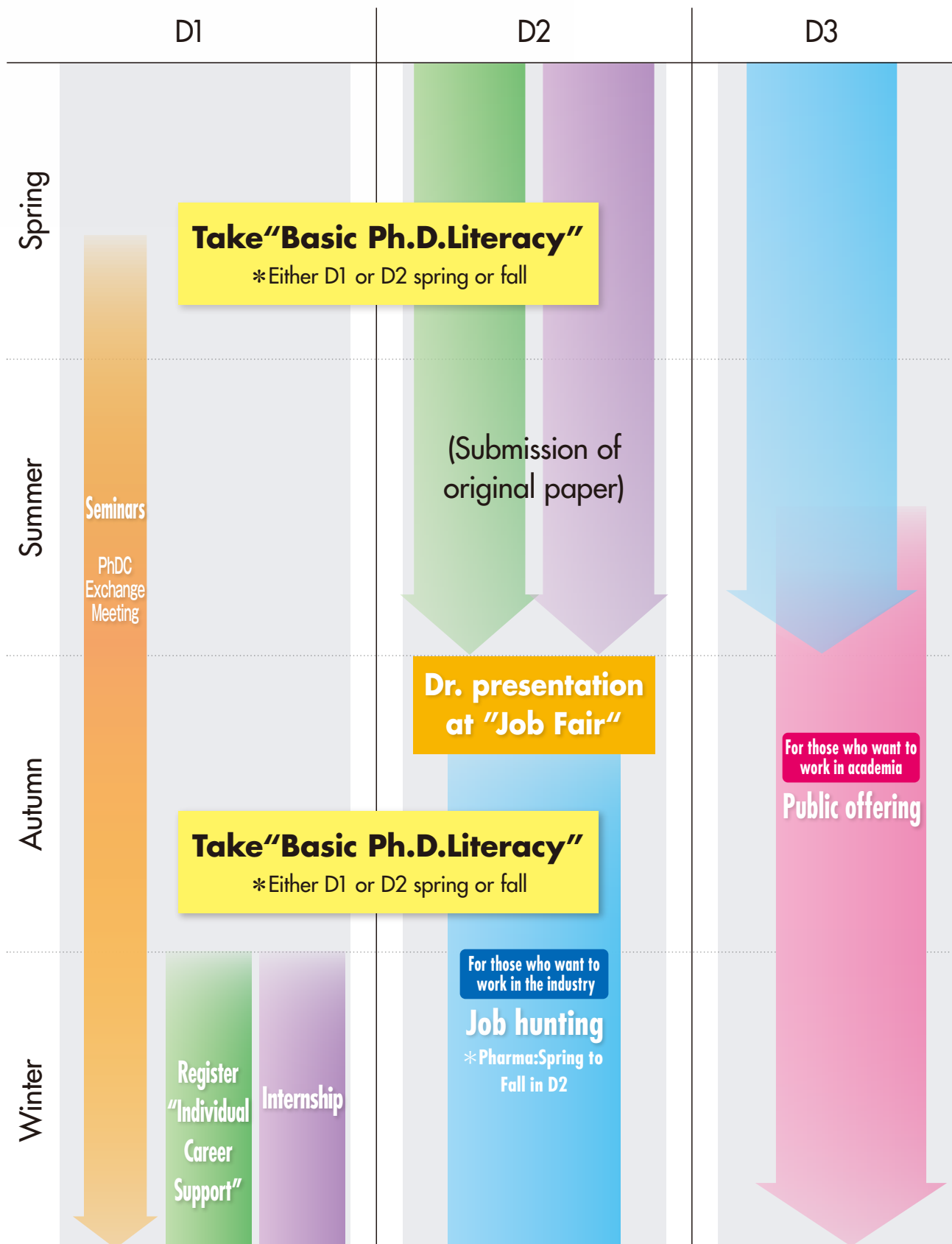
C-ENGINE

C-ENGINE was established in 2014 as a consortium of universities and companies to promote internships with the Ministry of Economy, Trade, and Industry support. Tohoku University is a consortium member.

Doctoral students enrolled in Tohoku University can register with C-ENGINE to select an internship that matches their research field and (transferable) skills from a range of companies.

The faculty member in PhDC serves as a conduit between students and companies. They coordinate the content and timing of internships and assist in the matching process, taking into account individual conditions and characteristics to make the internship meaningful for both students and companies.

Example of career development schedule (for a 3year course)





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