

主な科研課題

科研費基盤 (B) 2025年度終了

「アジア太平洋地域の大学ネットワークにおけるマイクロクレデンシャル運用の実証研究」研究代表者

科研費基盤 (B) 2026年度から4年間

「留学生・高度外国人材の戦略的誘致とキャリア支援の将来像—スキルの体系化にむけて—」研究代表者

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Shingo Ashizawa

JICE
26,1

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Convergence or fragmentation? Recent developments in recognition of microcredentials and their impact on higher education in Asia and the Pacific

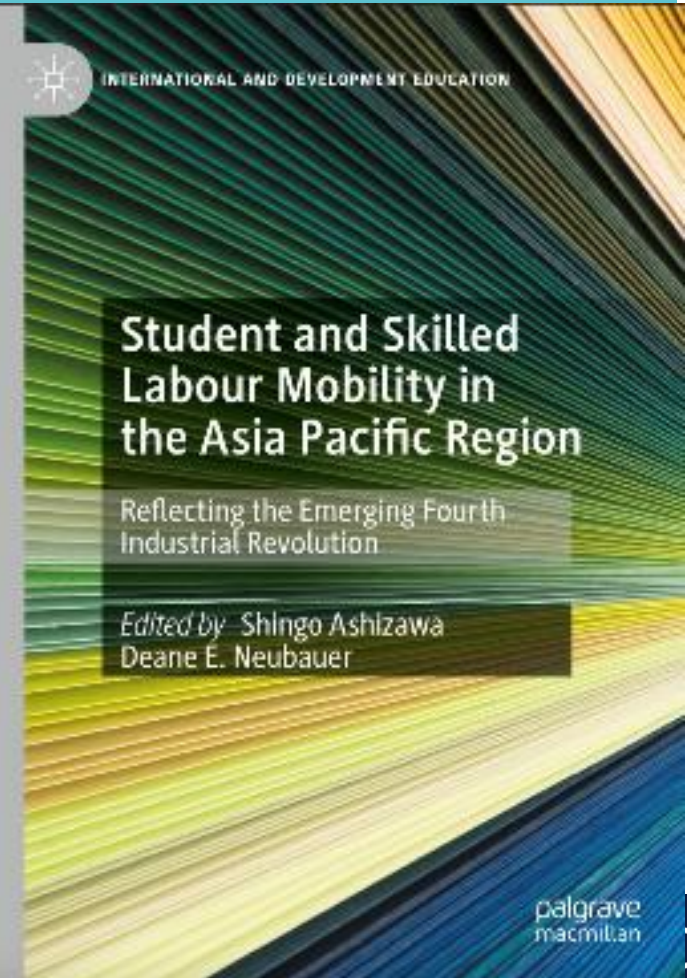
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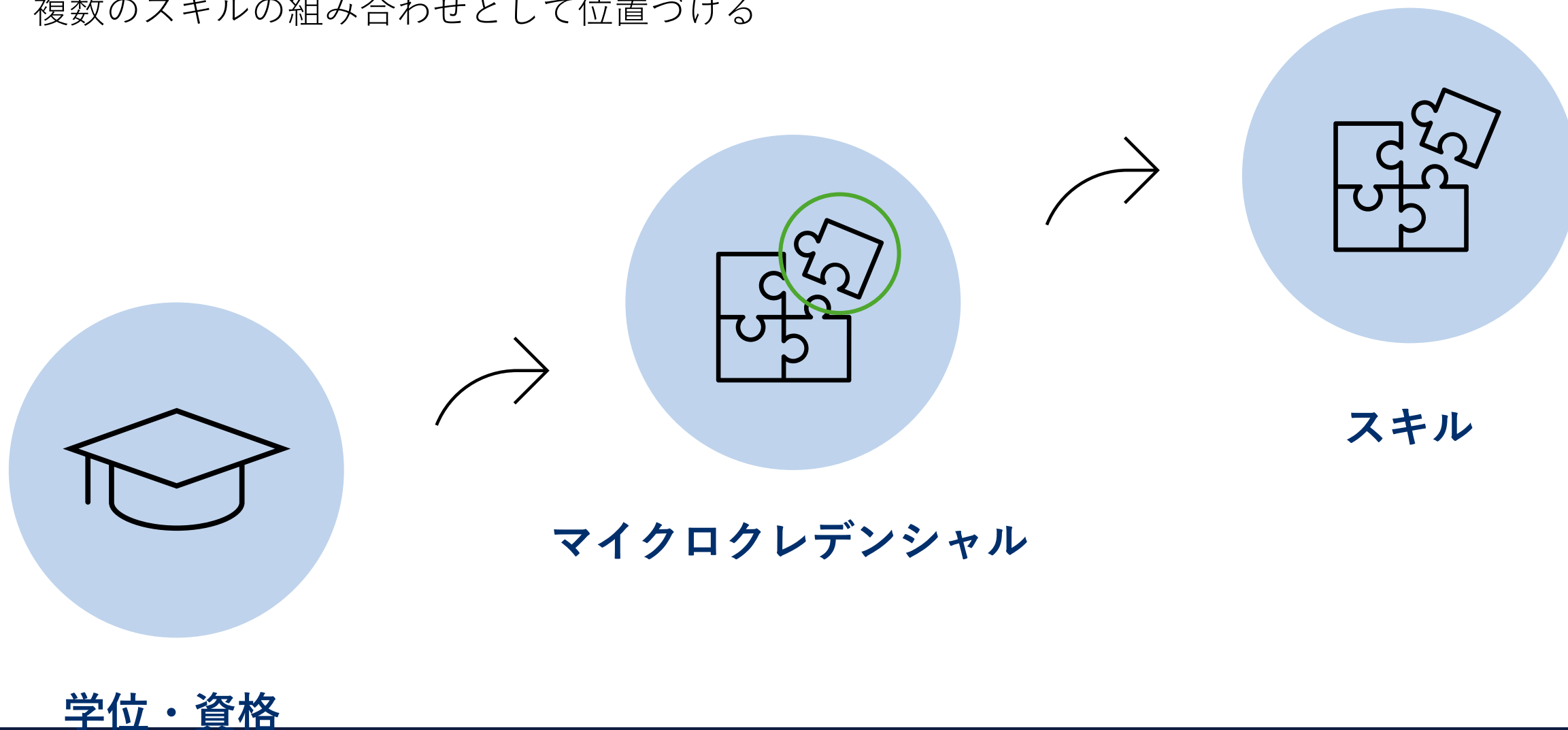
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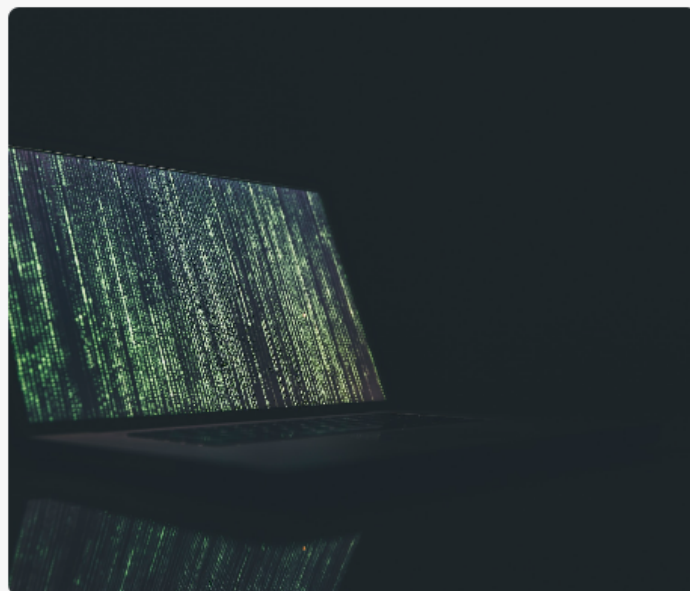
細分化 (Granularity)

スキルを価値の基本単位と捉え、資格や学位を複数のスキルの組み合わせとして位置づける



事例紹介：EUCONEXUS（欧州9大学アライアンス）

Cybersecurity for smart ports & shipping organizations



SECTOR:

Coastal

THEMATIC AREA:

Smart Ports

HASHTAGS/KEY WORDS:

#IT #infrastructure #innovations #software

VOLUME (ECTS):

1

LANGUAGE:

English

HARD SKILLS:

Advanced cybersecurity ethical hacking, threat identification & classification

Preventative & mitigative techniques, incident response

SOFT SKILLS:

Ethics Good Governance Risk Management Planning

Critical Thinking Communication & Change Management

EQF level

Level 6 (Bachelor)

ISCED-F field

0688 - Inter-disciplinary programs and qualifications involving information and Communication Technologies

ESCO skills & competences

T4.5 – transversal skills and competences – social and communication skills and competences - following ethical code of conduct

S5.2.2 - skills – working with computers – setting up and protecting computer systems – protecting ICT devices – implement ICT security policies

K1031 - knowledge – services – security services – military and defence – cyber security

Dates & Timetable:

Application for this micro-credential is closed for now and will be open in academic year 2026/2027.

Date	Time
Thursday, 21/05/2026	
Thursday, 28/05/2026	16:00-18:00 Central European Time – Croatia, France, Germany, Spain,

- 学部生対象
- 1単位（授業11時間＋14時間自習）
- オンライン
- ISCED（国際教育分類）、EQF（欧州資格枠組み）、ESCOとリンク

事例紹介：シンガポール工科大学

Elder Rehabilitation with Conditions

Graduate Certificate in Elder Rehabilitation with Conditions. Stack towards Master of Health Sciences via the Competency-based Micro-credential Stackable Pathway.

APPLY NOW

Duration:
9 Months

Dates:
Check individual module
pages for details

Delivery:
In-person Sessions at SIT
Punggol Campus with a
supervised clinical
placement in a healthcare
institution

Certificate:
Graduate Certificate in
Elder Rehabilitation with
Conditions

Fee Subsidy:
Refer to individual module
pages for subsidy details.

Fees (Incl. GST):
Refer to individual module
pages for fee details.

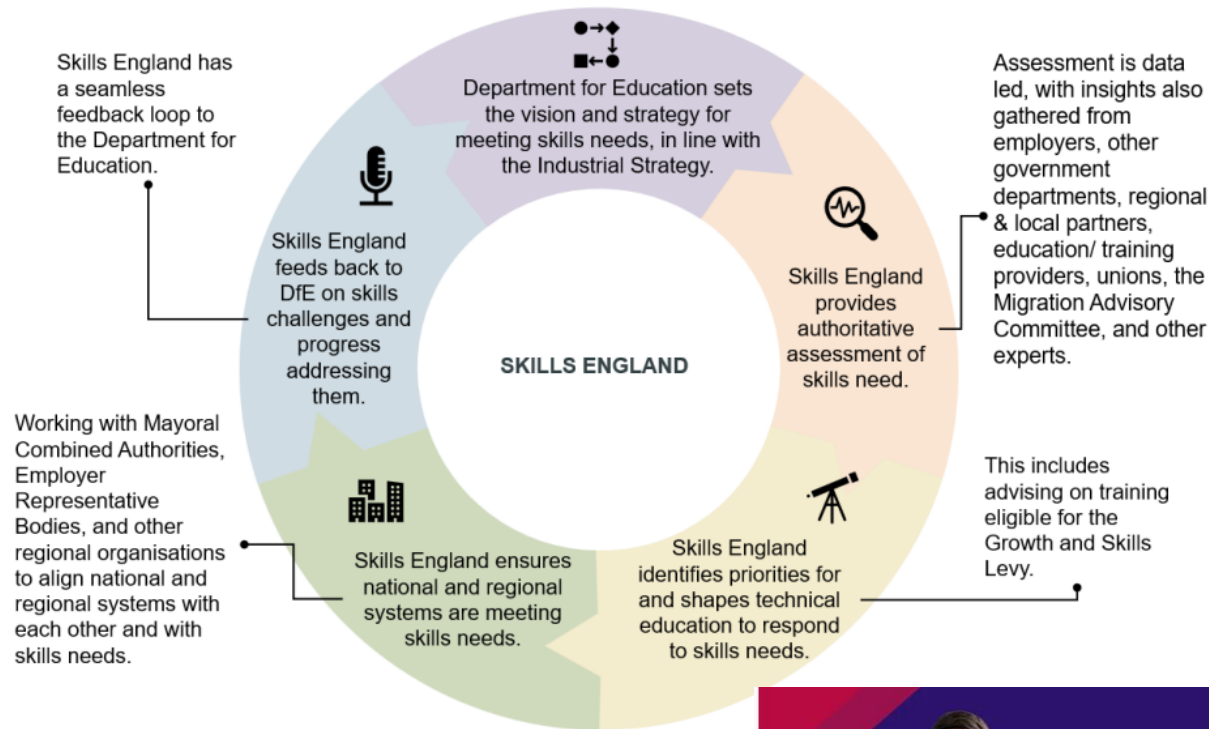
- 社会人向け
（学士号・関連職歴必須）
- 18単位（9か月）
- 通学（臨床実習含む）
- 修士課程への接続あり
- SkillsFuture政府助成対象

This micro-credential is part of SIT's **Competency-based Stackable Micro-credential (CSM) Pathway** leading to the **Master of Health Sciences** (MHSc). It comprises three modules that together build a coherent and integrated foundation in elder rehabilitation practice, movement science, and neurological care. Upon completing all three modules and fulfilling the requirements, learners will be awarded a **Graduate Certificate in Elder Rehabilitation with Conditions** (18 credits):

MODULE CODE	MODULE TITLE	CREDITS
HSC6004C	Elder Rehabilitation in Praxis	6
HSC6006C	Motor Control and Learning	6
HSC6008C	Neurological Rehabilitation	6
Total		18

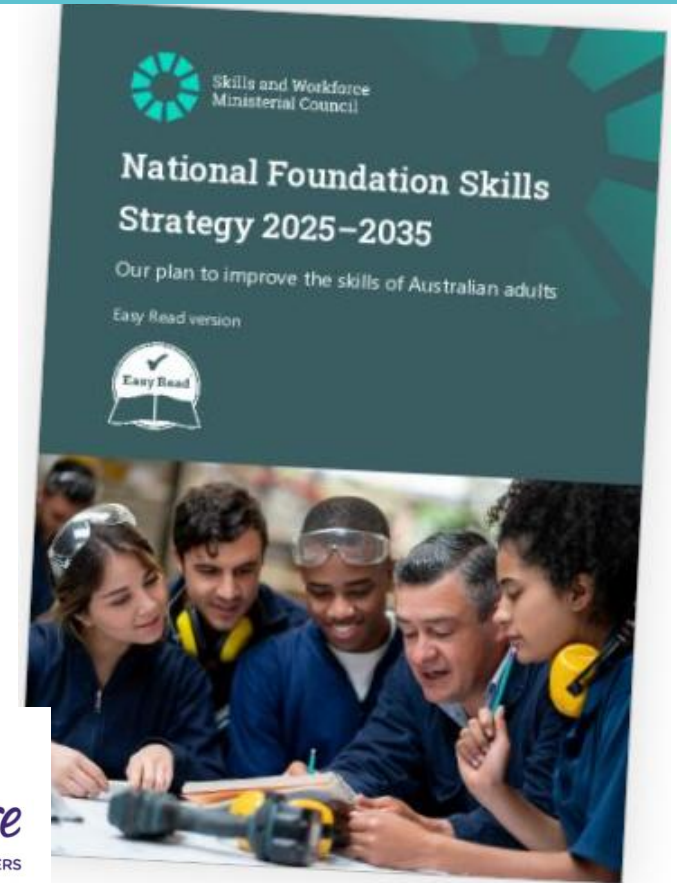


世界の主要国で進展する“Skill Taxonomy”



SKILLSfuture
BUILDING SKILLS, GROWING CAREERS

Jointly led by
wsg Workforce Singapore & **SKILLSfuture SG**



「スキルの体系化」 日本への示唆



1. AIを活用したスキル認証
2. 日本における一括採用方式にどう影響するか？
3. 資格証明のデジタル化はすすむのか？

日本の産官学は適応遅れ→国際人材獲得競争に不利

学びと仕事をつなぐ「スキルファースト」のアプローチ

“

スキルファースト・アプローチとは、採用、教育訓練、人材開発において、学位や資格、職務経験だけでなく、**個人が実際に発揮できるスキルを重視する**考え方です。スキルを、個人の能力を可視化し、育成・評価するための共通の価値基準として、労働市場全体に位置づけます。



人材不足の緩和



労働力の適応力向上



人材の多様化

イギリスの例：Standard Skills Classification



Higher education teaching professionals

Higher education teaching professionals deliver lectures and teach students to at least first degree level, undertake research and write journal articles and books in their chosen field of study.

Related Tasks

Task	Importance ↓
Teach undergraduate and postgraduate students.	99
Conduct research within own field of expertise.	98
Present academic lectures to university students to facilitate learning.	98
Instruct college or university students in academic subjects.	97
Plan and deliver lectures and workshops to university students or other academics.	97
Conduct high-level research in a university setting.	96
Publish scientific papers detailing research findings.	94

Related Skills

Teach undergraduate classes	93.0%
Conduct scholarly research	91.0%
Provide feedback to learners	87.0%
Adapt teaching methods to different groups	86.0%
Mark student assignments	86.0%

Core Skills Proficiencies

Planning and Organising	■ ■ ■ ■ ■
Speaking	■ ■ ■ ■ ■
Learning and Investigating	■ ■ ■ ■ ■
Problem Solving and Decision Making	■ ■ ■ ■ ■
Reading	■ ■ ■ ■ ■
Writing	■ ■ ■ ■ ■
Adapting	■ ■ ■ ■ □
Working With Others	■ ■ ■ ■ □
Listening	■ ■ ■ ■ □
Leadership	■ ■ ■ ■ □
Creating	■ ■ ■ ■ □
Digital Literacy	■ ■ ■ ■ □
Numeracy	■ ■ ■ □ □

Related Occupations

Further education teaching pro...	Adult education tutors
Secondary education teachers o...	Secondary education teachers o...
Heads of higher education esta...	Teachers of English as a Forei...
Primary education teaching pro...	Secondary education teachers o...
Secondary education teachers o...	Secondary education teachers o...

Related Knowledge



Potentially Related Qualifications

Qualification	Type	RQF Level	Subject Area	Learning Hours	Relatedness ↓
	All Types	All Levels	All Areas		
Higher education teaching	Academic degree	Level 6	Teaching and lecturing	1500	100
Academic professional - Teaching	Apprenticeship	Level 7	Teaching and lecturing	432	98
Higher education	Academic degree	Level 6	Teaching and lecturing	1500	92

オーストラリアの例：Jobs and Skills Councils



Australians
powering the nation

Powering Skills Organisation ensures Australia's vocational education and training (VET) sector delivers industry led outcomes for learners and employers in the energy sector.

■ What we do

We bring together employers, unions and governments in a tripartite arrangement to find solutions to skills and workforce challenges.



 Manufacturing
Industry Skills
Alliance

WELCOME TO THE JOBS AND SKILLS COUNCIL
FOR MANUFACTURING

INDUSTRY OWNED AND INDUSTRY LED



About Research Projects Industry stewardship Get involved



The mining and automotive
industries' Jobs and Skills
Council

- 10のJobs and Skills Councilsが、それぞれの産業分野における職業教育訓練（VET）の提供を支援
- 主な役割は、スキル・労働力ニーズの特定、訓練カリキュラムの更新、訓練評価

2026年6月発表OECD報告書「スキルファースト労働市場」



- 1 Positioning skills as the new currency of work (導入)
- 2 Building a common skills language (共通スキル言語)
- 3 Putting skills at the centre of learning (教育訓練での活用)
- 4 Promoting skills-first hiring and talent management (職場での活用)
- 5 Connecting learning to jobs through guidance, signalling and collaboration (学びと仕事をつなぐツール)