Designing and assuring the quality of micro-credentials

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You can find me at edubrief.com.au or on LinkedIn: here
Design and QA of Micro-credentials

Facilitated by Beverley Oliver, Emeritus Professor, Principal Fellow of the Higher Education Academy and an Australian National Teaching Fellow, Susanna Karakhanyan, INQAAHE President, Naji AlMahdi, INQAAHE Board Member

In the rapidly changing, difficult to predict environment, an agile higher education system that ensures a swift response to the ever-growing and dynamically evolving market needs becomes a necessity if a country is to be globally competitive and benefit the economy and society at large. To remain relevant, higher education is currently facing the challenges of becoming flexible enough to respond to fundamentally altered, impossible to predict, and rapidly changing landscape. Not least is the contribution of the technological developments to the rapid diversification of expectations the society links with higher education. To be able to better meet the needs and remain relevant, it is crucial to establish quality management systems that enable higher education to be proactive in their response to the diversity.

This session will focus on micro-credentials, the design and quality assurance that leads to recognition of the credentials.

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About me
experience, limitations, motivations
Formerly: Deputy Vice-Chancellor at Deakin University (60K students; 25% online)
Implemented three types of micro-credentials
Now: working independently
Limited knowledge of your systems

My context:
Australia six states 2 territories; ~26 million population

A chasm between:

Higher education: federal governance
39 public universities (+3 private): large (60K), comprehensive, research; Many are former colleges
160+ small private providers - religious + international
Heavily leveraged to onshore international students
A long history in distance and online learning

Vocational education and training: state governance
Technical and further education (TAFE)
Registered training organisations

The Australian Qualifications Framework spans both, uncomfortably. Last year’s review included consideration of micro-credentials.

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EduBrief.

About me
experience, limitations, motivations

Sustainable Development Goals

Systemic solutions to enable decent work through equitable access to affordable quality education....in a (post) pandemic 2020 world.

Innovative solutions: employability, micro-credentials, edtech, new business models

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Post-COVID-19, learners VALUE employment and employability even more....

**Employability:** we can

- discern, acquire, adapt and continually enhance
- the skills, understandings and personal attributes
- that make us more likely to find and create meaningful paid and unpaid work across the lifespan
- that benefits ourselves, the workforce, the community and the economy.


Micro and macro certifications are key to employment.

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Challenges

What is driving interest in micro-credentials?

What is a micro-credential? (and what is not, and who decides)

How to quality assure them?
Challenge #1: What is driving interest in micro-credentials?
Context: Two maps of Australia

1. An analogy

2. The problem - working adults not engaging in lifelong learning
Australia

six states, 2 territories; ~26 million population, lots of desert

Rail gauges in Australia display significant variations, which has presented an extremely difficult problem for rail transport on the Australian continent for over 150 years. As of 2014, there is 11,801 kilometres (7,333 mi) of narrow-gauge railways, 17,381 kilometres (10,800 mi) of standard-gauge railways, and 5,221 kilometres (2,001 mi) of broad-gauge railways.
The system doesn’t make it easy to get around.

Some are wondering whether we still want to use this mode of transport?
The highest qualification of working Australians aged 15-64 years

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<th>PhD</th>
<th>Masters</th>
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<th>GCert</th>
<th>Bach</th>
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19 Industries by age group (20s, 30s, 40s, 50s, 60s)

What: 2016 census every person who responded in Australia - excluding foreign diplomats and their families, Australian residents overseas. Including visitors to Australia. This picture: ~9.45 million responses useable data.
However...as in many countries

Low and declining postgraduate domestic learners


Low and declining non-formal (work-related/personal interest)


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Why?
Too busy working/caring for family
Too expensive (time/money)
Where’s the value?

So we could make post school education
More flexible (time and place)
Shorter/ more cost-effective
Better value.

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In 2019, Deloitte commissioned a survey to gather information about the attitudes that Australian post-bachelor workers have towards formal learning, and the factors influencing their choice of a course or an education provider.

The majority of this group show a preference for short courses (54%), followed by postgraduate qualifications (49%), and professional accreditations (18%).

Affordability, flexibility, and industry reputation are the most important factors for informing workers’ decisions on course and/or provider selection.

Recognition first: Recognise what workers already know to engage them in formal learning.

71% of those not interested in formal learning would be more likely to consider it, if the course length could be reduced, through recognition of prior learning (RPL) or recognition of prior experience (RPE).
Where to next? Beyond the skills gap
Higher education for a changing world

Report recommendations:

1. Credit where credit is due:
Recognise prior learning and experience, to support fast track to completion
- Improve access to recognition of prior learning through clear information and greater access to academic credit, where appropriate
- Develop robust quality-assured mechanisms to assess and credit competencies developed through prior experience

2. My pace, my place:
Enable workers to learn where, when and how they live
- Provide flexibility that enables learners to engage, take a break, pick up again, and submit assessments when it suits their other work and life commitments, where feasible
- Deliver learning at the places convenient to these learners, including where they work, supported by employer and provider partnerships that retain and upskill talent at scale

3. Stack and pack:
Provide micro learning options that can stack
- Provide micro courses and postgraduate qualifications (or even better, short courses that stack towards qualifications)
- Provide credit or recognition that post-bachelor workers can bank until they need it, or enable them to intermit when life takes an unexpected turn

4. Show the value:
Educate workers on the value and advantages of formal learning in a changing world
- Educate workers on the labour market, employer needs for specific skills, and the value of return on investment for further formal learning
- Promote the quality, standards and industry credibility of further formal learning that leads to career advantage
Figure 6: Projected employment growth to May 2023 ('000) for skill levels by occupation

- Bachelor or higher
  - Skill level 1
  - Managers
  - Professionals
  - Clerical and Administrative Workers
  - Sales Workers
  - Sales Workers

- Adv Diploma/Diploma
  - Skill level 2
  - Managers
  - Professionals
  - Clerical and Administrative Workers
  - Sales Workers

- Cert IV, III +2 years on job training
  - Skill level 3
  - Managers
  - Professionals
  - Clerical and Administrative Workers
  - Sales Workers
  - Sales Workers

- Cert II or III
  - Skill level 4
  - Managers
  - Professionals
  - Clerical and Administrative Workers
  - Sales Workers
  - Sales Workers
  - Sales Workers

- Cert I or sen sec
  - Skill level 5
  - Managers
  - Professionals
  - Clerical and Administrative Workers
  - Sales Workers
  - Sales Workers
  - Sales Workers
  - Sales Workers
  - Sales Workers

Employment Outlook to May 2023
boliver@edubrief.com.au
POST-COVID
What factors influence a learner’s perception of the value of a micro-credential?

1. What will it cost (time/money) - and is it worth it?

2. Will this help me get or keep employment - or help me stay connected and well?

3. What will an employer think of this credential/provider?

4. Can I access it in at my place and pace? Will I get help if I need it?

What factors influence an employer’s perception of the value of a micro-credential?

1. Does this provider know my industry? Can I trust their judgement about this learner?

2. Was the assessment valid and secure?
Challenge #1: What is driving interest in micro-credentials?

The changing nature of work
Skills gaps
Disruption and unemployment
The price of higher education - time and money
The efficacy of higher education
Challenge #2: What is a micro-credential?  
(and what is not, and who decides)
Yes it would be great to have a universal definition of micro-credentials, aka alternative credentials, shorter form credentials, badges, and many other terms.

In the meantime, I'm creating an updated collation of terms and definitions of these new and not-so-new credentials... *please assist and point me to your definition, or refs you know of*. I'm interested in industry refs, higher ed, vocational ed...

Feel free to post below or DM me, and pls include a URL or reference. I will post the collated document in due course. Many thanks in advance.

#microcredentials #alternativecredentials #badges #shortcourses

#micro-credentials #badges
#alternative-credentials #short courses
#certifications #shorter form credentials
1. A micro-credential is a certification of assessed learning that is additional, alternate, complementary to, or a formal component of a formal qualification. This definition, designed to mesh with UNESCO’s International Standard Classification of Education (ISCED), was adopted by the Review of the Australia Qualification Framework in 2019 (Oliver, 2019).

2. Similarly, Kato et al. define alternative credentials as “credentials that are not recognised as standalone formal educational qualifications by relevant national education authorities” (Kato, Galán-Muros, & Weko, 2020). These authors focus on six characteristics of potential importance to learners, employers and policy makers: delivery modes; duration; assessment processes; areas of focus; capacity to be embedded within or cumulate into larger credentials; and characteristics of providers (p.10).

3. A micro-credential is a “Sub-unit of a credential or credentials (could be micro, meso, mini, etc.) that could accumulate into a larger credential or be part of a portfolio” (https://microcredentials.eu/terminology/).

4. A micro-credential is “any credential that covers more than a single course but is less than a full degree” (Pickard, Shah, & De Simone, 2018).


6. Short Learning Programmes (SLPs) or short degree programmes are a group of courses (units, modules or other learning building blocks) with a common subject focussing on specific needs in society and which are part of larger degrees. Different typologies and names exist throughout Europe. This definition is based on the suggested need within the Bologna structure and based on the changes in higher education offerings that have been initiated in online provision in the last 6 to 8 years (http://e-slp.eadtu.eu).

7. A micro-credential is “a small volume of learning certified by a credential. In the EHEA context, it can be offered by higher education institutions or recognised by them, when offered by other providers, using recognition of prior learning (RPL) procedures. A micro-credential is designed to provide the learner with specific knowledge, skills, or competences that respond to societal, personal, cultural or labour market needs. Micro-credentials have explicitly defined learning outcomes at a specific QF-EHEA/NQF level, an indication of their associated workload in ECTS credits, assessment methods and criteria, and are subject to quality assurance in line with the ESG” European Commission Consultation Group, cited by (Beirne, Nic Giolla Mhicil, & Brown, 2020).

8. A micro-credential is shorter than an award course but can represent from one to 100 hours of learning, may or may not be certified by an accrediting institution or association, and may be taken online or as a face-to-face experience. Notwithstanding this, there is generally consensus that micro-credentials are short, verified courses or learning experiences providing successful candidates with a digital certification, such as a “digital badge.” (Rossetter & Tynan, 2019).

9. A micro-credential is “a documented statement awarded by a trusted body to signify that a learner upon assessment has achieved learning outcomes of a small volume of learning against given standards and in compliance with agreed quality assurance principles. Micro-credentials express credit volume and they are referenced to the national qualification framework and the EQF. A micro-credential may be offered independent of the method of provision (face-to-face, online or blended learning) or the nature of learning (formal, non-formal, informal). Micro-credentials are owned by the learner and are sharable and portable in the format of a stand-alone certificate, a digital badge, or as part of a portfolio.” (SUNY, 2019).

10. Micro-credentials verify, validate and attest that specific skills and/or competences have been achieved; are endorsed by the issuing institution; having been developed through established faculty governance processes; and are designed to be meaningful and high quality. Definition used by SUNY (https://system.suny.edu/academic-affairs/microcredentials/definitions/).

11. The growth of online education has spawned a variety of new “microcredentials” – short-form, sub-degree awards that represent the completion of a learning module, course, or series of courses. Microcredentials include both generic offerings such as digital badges as well as proprietary credential constructs such as “nanodegrees” or “MicroMasters” (Gallagher, 2018).

12. Alternative credentials refer to the competencies, skills, and learning outcomes derived from assessment-based, non-degree activities and align to specific and timely needs in the workplace: Fong, Janzow, & Peck, 2016, cited by (Fuerte, 2019).

13. Alternative credentials include certificates and industry certifications, apprenticeships, digital badges, micro-credentials, and new forms of online master’s degrees (Fain, 2018).

14. A digital badge is a validated indicator of accomplishment, skill, quality, or interest that can be earned in many learning environments. Open digital badging makes it easy for anyone to issue, earn, and display badges across the web—through an infrastructure that uses shared and open technical standards (https://www.hastac.org/initiatives/digital-badges).

15. Digital Badges represent a valid indicator of specific achievements, knowledge, skills, and competencies that can be earned in formal and informal learning environments (Fenthaler, Bellin-Mularski, & Mah, 2016).

16. A digital badge is a form of a micro-credential that, unlike a college degree or transcript, does not display all courses completed to achieve a credential but is used to display the single course of learning usually highlighted by a specific learning activity or completed project. Digital badges and other forms of micro-credentials offer a new way of thinking about documenting what a person learns and instead transitions to specific skills, knowledge, and abilities of students that can be easily communicated with a larger audience. Digital badges are typically a graphic or image that represents specific skills, knowledge, or abilities learned by a student (LaMagna, 2017).
References


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What is a micro-credential?

In plain language, a micro-credential is a certification of assessed learning that is less than a formal qualification.

What is a badge?

A badge is a digital token issued to a learner based on evidence that requirements have been met: the requirement could be participation, or evidence of learning outcomes achieved, as demonstrated through assessment.

Oliver, B. 2019, Making micro-credentials work for learners, employers and providers

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A micro-credential is a certification of assessed learning that is additional, alternative, complementary to or a component part of a formal qualification.

A subset: **Credit-bearing micro-credentials** lead to an offer of admission to or credit towards at least one formal qualification, regardless of whether or not the offer is taken up by the learner. They mirror and contribute to the academic standards required in the target qualification. The duration and effort required are in keeping with the amount of credit earned.

What is **not** a micro-credential? According to these definitions, learning or participation without “proper” assessment.
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<thead>
<tr>
<th>Type of education (ISCED definitions)</th>
<th><strong>Formal</strong></th>
<th><strong>Non-formal</strong></th>
<th><strong>Informal</strong></th>
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<tr>
<td></td>
<td>Formal education is education that is institutionalised, intentional and planned through public organizations and recognised private bodies, and – in their totality – constitute the formal education system of a country.</td>
<td>Non-formal education is education that is institutionalised, intentional and planned by an education provider. The defining characteristic of non-formal education is that it is an addition, alternative and/or complement to formal education within the process of lifelong learning of individuals.</td>
<td>Informal education: Forms of learning that are intentional or deliberate but are not institutionalised.</td>
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<td>Status and nature of certification (ISCED definitions)</td>
<td>Formal qualification: Qualifications can be obtained through: i) successful completion of a full education program; ii) successful completion of a stage of an education program (intermediate qualifications); or iii) validation of acquired knowledge, skills and competencies, independent of participation in an education program.</td>
<td>Non-formal qualification. Qualification awarded upon achievement of the learning objectives of an education program in non-formal education that is not recognised by the relevant national education authorities as being equivalent to a formal qualification.</td>
<td>Uncertified learning</td>
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<td>Definitions proposed in this report</td>
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<td>A micro-credential is a certification of assessed learning that is additional, alternate, complementary to or a component part of a formal qualification.</td>
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<td>Credit-bearing</td>
<td>Non credit-bearing</td>
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<td>Credit-bearing micro-credentials include assessment aligned to a formal qualification level. Achievement of the learning outcomes leads to an offer of admission to or credit towards at least one formal qualification, regardless of whether or not the offer is taken up by the learner.</td>
<td>Non credit-bearing micro-credentials include assessment which may or may not be aligned to a formal qualification level. Achievement of the learning outcomes does not lead to an offer of admission or credit towards a formal qualification.</td>
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<td>Standards</td>
<td>Standards are required and regulated.</td>
<td>Credit-bearing micro-credentials mirror and contribute to the academic standards required in the target qualification(s). The duration and effort required by the learner are in keeping with amount of credit earned in the target qualification(s).</td>
<td>Non credit-bearing micro-credentials may or may not conform to the academic standards, including duration and effort, required in a formal qualification.</td>
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<td>Modes and types</td>
<td>Sustained program of learning or validation of learning independent of participation in a program (online, onsite, blended)</td>
<td>Assessed course or validation of learning independent of participation in a course (online, onsite, blended)</td>
<td>Online or onsite experiences</td>
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<td>Certificate (paper or digital, including badges)</td>
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<td>Examples</td>
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<td>MicroMasters (edX)</td>
<td>Cranlana Program</td>
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<td>MasterTrack (Coursera)</td>
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<td>Specialization (Coursera) that does not earn admission or credit</td>
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<td>Deakin Hallmarks</td>
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### Classifying micro-credentials

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<th>What</th>
<th>Certifying new knowledge and skills</th>
<th>Certifying prior knowledge and skills</th>
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<td>Self-paced: No set start, pace, finish</td>
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<td>Stand-alone certification</td>
<td>Certification that interacts with a formal qualification</td>
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- Before: Admission or Preparation or Credit pathway
- During: Additional certification or Achieving distinction
- After: Last mile services to secure employment
A few examples
Employers offering micro-credentials
# Classifying micro-credentials

Also known as alternative credentials, MOOCs, certifications, short courses, bootcamps, intensives, MicroMasters, masterclasses, nano degrees, Specializations...

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<thead>
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<th>What</th>
<th>Certifying new knowledge and skills</th>
<th>or</th>
<th>Certifying prior knowledge and skills</th>
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<td>Where</td>
<td>Online</td>
<td>or</td>
<td>Onsite</td>
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<tr>
<td>When</td>
<td>Provider-paced: Set start, pace, finish</td>
<td>or</td>
<td>Self-paced: No set start, pace, finish</td>
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<tr>
<td>Who</td>
<td>Traditional educational provider(s)</td>
<td>or</td>
<td>Industry provider(s)</td>
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<td>With</td>
<td>Paper certificate</td>
<td>or</td>
<td>Digital certificate</td>
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<tr>
<td>As</td>
<td>Stand-alone certification</td>
<td>or</td>
<td>Certification that interacts with a formal qualification</td>
</tr>
</tbody>
</table>

- Certification that interacts with a formal qualification
  - Before: Admission
  - or: Preparation
  - or: Credit pathway
  - During: Additional certification
  - or: Achieving distinction
  - After: Last mile services to secure employment

*Oliver, B. Making micro-credentials work for learners, employers and providers 2019*

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What graduates receive

- A robust portfolio of projects to demonstrate your working knowledge of web development.

- Graduates benefit from a Project Demo Day—quarterly networking event with local professionals to showcase their final projects.

- Continued one-on-one career coaching with your Career Director post-graduation.

- A Certificate of Completion from Monash University showcasing your accomplishments to future employers.

The Monash University Coding Boot Camp is offered in partnership with Trilogy Education Services (Australia) Pty Ltd., a 2U, Inc. brand.

About Trilogy Education Services
Trilogy Education is a workforce accelerator that empowers the world’s leading universities to prepare professionals for high-growth careers in the digital economy. Thousands of people around the globe have completed Trilogy-powered programs, and more than 2,000 companies—including 50% of the Fortune 100—employ them.

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Classifying micro-credentials

What
- Certifying new knowledge and skills
- Certifying prior knowledge and skills

Where
- Online
- Onsite
- Onsite and online

When
- Provider-paced: Set start, pace, finish
- Self-paced: No set start, pace, finish

Who
- Traditional educational provider(s)
- Industry provider(s)
- Private provider(s)

With
- Paper certificate
- Digital certificate
- Digital badge

As
- Stand-alone certification
- Certification that interacts with a formal qualification

Also known as alternative credentials, MOOCs, certifications, short courses, bootcamps, intensives, MicroMasters, masterclasses, nano degrees, Specializations...

Oliver, B. Making micro-credentials work for learners, employers and providers 2019
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Monash coding bootcamp

What: Certifying new knowledge and skills

Where: Onsite and online

When: Provider-paced: Set start, pace, finish

Who: Traditional educational provider(s) endorsing a course provided by a Private provider(s)

With: Paper certificate

As: Stand-alone certification

After: Last mile services to secure employment
Deakin’s Professional Practice Credentials
Classifying micro-credentials

- **What**: Certifying new knowledge and skills or Certifying prior knowledge and skills
- **Where**: Online or Onsite or Onsite and online
- **When**: Provider-paced: Set start, pace, finish or Self-paced: No set start, pace, finish
- **Who**: Traditional educational provider(s) or Industry provider(s) or Private provider(s)
- **With**: Paper certificate or Digital certificate or Digital badge
- **As**: Stand-alone certification or Certification that interacts with a formal qualification

Oliver, B. Making micro-credentials work for learners, employers and providers 2019
Professional Practice Credentials

What: Certifying prior knowledge and skills
Where: Online
When: Self-paced: No set start, pace, finish
Who: Traditional educational provider(s) And Industry assessed
With: Digital badge
As: Stand-alone certification And Certification that interacts with a formal qualification

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Develop in-demand marketing skills

MicroMasters® Program in
Marketing in a Digital World

What you will learn

- To manage an online brand and to optimise paid, earned and owned digital media assets for maximum impact

Expert instruction
- 5 graduate-level courses

1 year

25% - no Grad Cert

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Classifying micro-credentials

- What: Certifying new knowledge and skills or Certifying prior knowledge and skills
- Where: Online or Onsite or Onsite and online
- When: Provider-paced: Set start, pace, finish or Self-paced: No set start, pace, finish
- Who: Traditional educational provider(s) or Industry provider(s) or Private provider(s)
- With: Paper certificate or Digital certificate or Digital badge
- As: Stand-alone certification or Certification that interacts with a formal qualification

Also known as alternative credentials, MOOCs, certifications, short courses, bootcamps, intensives, MicroMasters, masterclasses, nano degrees, Specializations...

Before: Admission or Preparation or Credit pathway
During: Additional certification or Achieving distinction
After: Last mile services to secure employment

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MicroMasters

What: Certifying new knowledge and skills
Where: Online
When: Provider-paced: Set start, pace, finish
Who: Traditional educational provider(s)
With: Stand-alone certification or Digital certificate
As: Certification that interacts with a formal qualification

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‘Found’ micro-credentials

Credentialate has been designed to assess, monitor, promote and validate learners' attainment of evidence-backed skills, supporting the transition from learner to earner.

Credentialate is a secure, configurable platform that assesses and tracks attainment of competencies and issues micro-credentials to students.
Classifying micro-credentials

- **What**: Certifying new knowledge and skills or Certifying prior knowledge and skills
- **Where**: Online or Onsite or Onsite and online
- **When**: Provider-paced: Set start, pace, finish or Self-paced: No set start, pace, finish
- **Who**: Traditional educational provider(s) or Industry provider(s) or Private provider(s)
- **With**: Paper certificate or Digital certificate or Digital badge
- **As**: Stand-alone certification or Certification that interacts with a formal qualification

Also known as alternative credentials, MOOCs, certifications, short courses, bootcamps, intensives, MicroMasters, masterclasses, nano degrees, Specializations...

Last mile services to secure employment

Oliver, B. Making micro-credentials work for learners, employers and providers 2019

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Credentialate badges

**What**
Certifying prior knowledge and skills

**Where**
- Online

**When**
- Post learning experience

**Who**
- Traditional educational provider(s) or Industry provider(s) or Private provider(s)

**With**
- Stand-alone certification or Certification that interacts with a formal qualification

**As**
- Additional certification or Achieving distinction

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And also, the MOOC to degree model and some things to watch out for.
The MOOC to degree model (FL)

edX MicroMasters Model

Where is the boundary between MOOC and degree?

Coursera model

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Challenge #2: What is a micro-credential?  
(and what is not, and who decides)

We need to jointly agree a ‘good enough’ definition that can be adapted and adopted

It needs to be understood by all key stakeholders, or they must be educated to understand it

We should build on the alliances and agreements already in place.
Challenge #3: How to quality assure them?
My view: we need to explain micro-credentials in terms of formal qualifications
Because credentials could work like money...

Global - not yet
Exchange value - maybe
Bankable credit - not much
Digital - increasingly
Open to fraud - a challenge
Major known qualifications
Micro-credentials explainable

Global
Exchange value
Bankable credit
Digital
Open to fraud
Major currencies
New currencies added
What else?

All the key stakeholders need to understand them…
What would Edutopia look like?

The value (career advantage and quality) of a credential outweighs the costs (time, money, app cost). Credentials are trustworthy: fake certificates and plagiarised assessments are conquered. Credentials are interoperable across the lifespan and national borders, stack within and across sectors. Credentials show granular skills achievement — and can be matched to gaps and opportunities for work.
Costs outweigh outcomes
Trustworthiness questioned
Very limited interoperability between providers, sectors, borders, lifespan
No granular skills achievement readily communicable.
Micro-credential distopia

Cost is usually better but what outcomes?
Trustworthiness questioned - including online
Not interoperable with formal qualifications, or across lifespan, sectors and borders
Granular skills achievement demonstrated - by how does that map to the big picture?

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What else could we try?

Critical information summaries

See “Making Micro-credentials Work”

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**Nutrition Facts**

3 servings per container

<table>
<thead>
<tr>
<th>Serving size</th>
<th>3 pretzels (28g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Per serving</td>
<td>Per container</td>
</tr>
<tr>
<td>Calories</td>
<td>110</td>
</tr>
<tr>
<td>% DV*</td>
<td></td>
</tr>
<tr>
<td>Total Fat</td>
<td>0.5g</td>
</tr>
<tr>
<td>Saturated Fat</td>
<td>0g</td>
</tr>
<tr>
<td>Trans Fat</td>
<td>0g</td>
</tr>
<tr>
<td>Cholesterol</td>
<td>0mg</td>
</tr>
<tr>
<td>Sodium</td>
<td>400mg</td>
</tr>
<tr>
<td>Total Carb.</td>
<td>23g</td>
</tr>
<tr>
<td>Dietary Fiber</td>
<td>2g</td>
</tr>
<tr>
<td>Total Sugars</td>
<td>&lt;1g</td>
</tr>
<tr>
<td>Incl Added Sugars</td>
<td>0g</td>
</tr>
<tr>
<td>Protein</td>
<td>3g</td>
</tr>
</tbody>
</table>

**Vitamin D**

0mcg 0% 0mcg 0%

**Calcium**

10mg 0% 30mg 2%

**Iron**

1.2mg 6% 3.8mg 10%

**Potassium**

90mg 0% 270mg 5%

* The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.
### Table 3: Information that could be included in a critical information summary

<table>
<thead>
<tr>
<th>Title and brief description (30 words)</th>
<th>Insert name of certificate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certified learning</td>
<td>In up to 100 words, describe what the successful learner knows and can do based on their assessed learning</td>
</tr>
<tr>
<td>How learner participated</td>
<td>Choose one: Online only, Onsite only, Both onsite and online</td>
</tr>
<tr>
<td>Effort required (including assessment)</td>
<td>Insert number of hours (for typical learner)</td>
</tr>
</tbody>
</table>
| Complexity of main assessment task     | Choose one (best fit):  
  No assessment  
  Testing recall of facts  
  Application of a skill to a routine problem  
  Application of a skill to a complex problem  
  Application of multiple skills to routine problems  
  Application of multiple skills to complex problems  
  Portfolio and reflective evidence for validation of proficiency |
| Supervision and identity verification  | Choose one (best fit):  
  Unsupervised, no identity verification  
  Supervised online or on-site, identity not verified  
  Supervised online, identity verified (one factor)  
  Supervised online, identity verified (two factors)  
  Supervised onsite, identity verified (one factor)  
  Supervised onsite, identity verified (two factors) |
| If assessed, equivalent level (main task) | Choose one: Not at degree level/Pre-Bachelor/Bachelor/Pre-Masters/Masters/Doctorate |
| Quality assurance                      | Nil, or insert names of governing or endorsing bodies |
| Successful learner earns:              | Choose one: No/Yes – state degree(s) and institution(s)  
  Yes – state degree(s) and institution(s)  
  State credit in units (a unit is a typical semester of study in a degree program). For example:  
  Credit is less than one unit: 0.4 unit  
  Credit is one unit: 1.0 unit  
  Credit is more than one but less than two units: 1.5 units |

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**What else could we try?**

**Critical information summaries**

See “Making Micro-credentials Work”

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Offer micro-credentials that deliver the promised benefits, particularly a path to decent work through quality education.
A quick guide to the Australian Higher Education Standards for coursework students

Student Participation and Attainment: Policies and procedures, applied fairly and consistently, designed to ensure academic preparation and proficiency in English; prior to enrolment and before fees are accepted, students informed of rights and obligations; admission and other contractual arrangements are in writing, include conditions of enrolment and participation.

Credit and Recognition of Prior Learning: Policies address misconduct; mitigate risks to integrity including misrepresentation, fabrication, cheating, plagiarism and misuse of intellectual property; student guidance on misconduct; accountability maintained in arrangements with other party, including placements, joint awards.

Orientation and Progression: tailored to needs of students; early assessment provides formative feedback on progress; access to advice and timely referral to academic or support; methods of assessment validly assess progress; timely feedback; identify students at risk; retention, progression and completion; equivalence irrespective of background, entry pathway, mode or place.

Wellbeing and Safety: Timely, accurate advice on access to personal support services is available, nature and extent informed by the needs of cohorts, including mental health, disability and wellbeing needs; safe environment promoted and fostered, advising students and staff on safety and security on campus and online; critical-incident policy and procedures.

Qualification and Certifications: Qualifications awarded only if a course of study leads to the award of that qualification and all of the requirements of the course of study have been fulfilled; awardees of qualifications are issued with testamur, and either a record of results or an Australian Higher Education Graduation Statement; records of results.

Diversity and Equity: Policies, practices and teaching and learning designed to accommodate student diversity; specific consideration of Aboriginal and Torres Strait Islander peoples; participation, progress, and completion by identified student subgroups monitored and the findings are used to inform admission policies and improvement of teaching, learning and support strategies.

Facilities and Infrastructure: Facilities, including placements, fit for purpose; secure access to electronic information and adequate electronic communication services is available continuously; learning environment, whether physical, virtual or blended, support academic interactions among students outside of formal teaching.

Wellbeing and Safety: Timely, accurate advice on access to personal support services is available, nature and extent informed by the needs of cohorts, including mental health, disability and wellbeing needs; safe environment promoted and fostered, advising students and staff on safety and security on campus and online; critical-incident policy and procedures.

Student Grievances and Complaints: Mechanisms for resolving grievances; timely resolution of formal complaints and appeals against academic and administrative decisions without charge or at reasonable cost; applied consistently, fairly and without reprisal; confidentiality, independent professional advice, advocacy and other support.

Course Design: Qualification(s); structure, duration and modes; units of study; entry requirements and pathways; expected learning outcomes, assessment, indicative student workload; compulsory requirements; exit pathways; advanced knowledge and inquiry, and current research or advances in practice; activities foster progressive and coherent achievement, regardless of place or mode; professional accreditation.

Staffing: Staffing complement meets educational, academic support and administrative needs of cohorts; level and extent of academic oversight and teaching capacity; staff with responsibilities for academic oversight and those with teaching and supervisory roles in courses or units of study are equipped for their roles; others have their teaching guided and overseen by staff who meet the standard; Teaching staff are accessible to students seeking individual assistance with their studies.

Learning Resources and Educational Support: Resources, e.g. library, creative works, notes, laboratory, studio, simulations, software up to date and accessible; learning management system: timely access and training available; no unexpected barriers, costs or technology requirements for access; support services consistent with course, mode of study and needs of cohorts, including off campus.

Course Approval and Accreditation: Processes for internal approval of course, overseen by peak institutional academic governance processes and applied consistently.

Academic and Research Integrity: Policies address misconduct; mitigate risks to integrity including misrepresentation, fabrication, cheating, plagiarism and misuse of intellectual property; student guidance on misconduct; accountability maintained in arrangements with other party, including placements, joint awards.

Monitoring, Review and Improvement: Courses have periodic comprehensive reviews overseen by peak academic governance processes; external referencing or other benchmarking.

Delivery with Other Parties: Work-integrated learning, placements, community-based arrangements quality assured, quality of supervision of student experiences; courses delivered with another party(ies).

Corporate Governance: Formally constituted governing body, includes independent members, exercises competent governance oversight, accountable for provider’s operations.

Corporate Monitoring and Accountability: Provider can demonstrate, and corporate governing body assures itself, that provider is operating effectively and sustainably.

Academic Governance: Processes, structures for effective academic oversight of quality of teaching, learning.

Representation: Representation of provider, educational offerings and charges accurate and not misleading; Accurate, relevant and timely; publicly available and accessible to enable informed decision making; prior to acceptance of an offer; Publicly-available information about the provider’s operations; regulatory status and authority; instrument establishing the entity; information systems and records are maintained, securely and confidentially.

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Challenge #3: How to quality assure them?

Build on QA processes in place for formal qualifications

Educate key stakeholders to look for aspects of importance
Designing and assuring the quality of micro-credentials

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