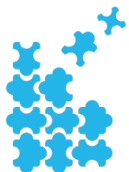


# microbol

**Working Group on Qualification Frameworks and  
ECTS**

## «Some Italian examples»

Prof. Ann Katherine Isaacs  
University of Pisa, Italy  
**11 May 2021**



EUROPEAN  
Higher Education Area



UNIVERSITÀ DI PISA

# Background

Italy does not (yet) have specific regulations on MCs, but HEIs in their autonomy can offer them under certain conditions.

Italy is working to develop MCs and to contribute to the common understanding.

- *Ad hoc* ministerial group of experts (Ministry representatives, Conference of University rectors, ENIC-NARIC centre, QA agency, agency for labour policies and research institute on labour policies)
- National consultations and discussion (e.g. webinars with Higher Education institutions) and debate on flexibilisation and modularisation of Higher education
- Dialogue with European University alliances
- [First micro-credential for credentials evaluators](#)

# Background

I will present **three examples** of «Micro-credentials» offered in Italy.

These MCs offer **very specific useful competences** for learners already employed (or wanting to be employed) in industry, in HEIs and public administration, and/or engaged in HE and research.

## **The examples:**

- 1. Electrification Program for personnel employed in the automobile industry: University of Pisa, Tuscany Regional Government, Vitesco Technologies**
- 2. Digital competences for publication of texts in ancient languages: University of Bologna and ENCODE Network of HEIs**
- 3. Credential Evaluator: CIMEA (Italian NARIC), European University of Rome and Italian Ministry of University and Research**

## Example 1:

“Automotive electronics and powertrain electrification”

Context: The strategic shift to electric automobiles; to prepare technical employees (engineers) for the shift.

Actors: Vitesco Technologies; University of Pisa Department of Computer Engineering; Regional Government of Tuscany; ca. 100 learners, largely engineers, who achieved their award on 21 January.



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## Automotive Electronics and Powertrain Electrification

### Sede

Dipartimento di Ingegneria della Informazione

### Obbiettivo del corso

Il corso, rivolto a persone in possesso di titolo almeno triennale Universitario (Diploma Universitario o Laurea Triennale o Laurea Specialistica o Laurea Magistrale o Laurea Quinquennale a Ciclo unico), intende fornire le basi ed i principi dei componenti e sistemi elettronici nei veicoli ibridi e/o elettrici, ed in particolare relativi al trend della elettrificazione del powertrain, con particolare focus sui sottosistemi (visione Tier-1).

### Requisiti per l'ammissione

Sono ammessi a partecipare alla selezione i candidati, anche cittadini di Paesi non appartenenti all'Unione Europea, in possesso, alla data di scadenza del Bando, di titolo di studio Universitario almeno triennale (Diploma Universitario o Laurea Triennale o Laurea Specialistica o Laurea Magistrale o Laurea Quinquennale a Ciclo unico), preferenziale in area scientifica (scienze matematiche, fisiche, naturali, biologiche, chimiche, informatiche), di Ingegneria, di Economia e delle scienze giuridiche o sociali. Altri titoli valutabili sono l'esperienza pregressa in aziende multinazionali, con sedi in Italia, operanti nel settore della componentistica automotive.

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ESAMI**

## “Automotive electronics and powertrain electrification”

### Tools:

**QF:** a level 6 degree is required for participation, although those having a level 7 or 8 degree in appropriate disciplinary areas can also be admitted.

**ECTS: learning outcomes** are specified, **12 ECTS** for 104 hours of teaching in presence, 200 additional study hours, on successful completion.

**Certificate:** awarded after assessment, both in itinere and final.



# Press release



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## Press Release

2021-01-22

### Vitesco Technologies qualification campaign makes employees worldwide fit for e-mobility

- With tailored offers for individual learning: at universities, with internal trainers and on the job
- Rising number of participants with focus on e-mobility: Since 2017, around 840 employees in the Electrification Program
- Digital celebration event for around 100 participants in Pisa with representatives from university and local government

Regensburg, Pisa (Italy), January 22, 2021. With the strategic decision to actively shape technological change, Vitesco Technologies has launched a large-scale qualification campaign: The company, a leading international supplier of advanced powertrain technologies and electrification solutions, aims to make as many of its

## Contact

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## Latest Press Releases

**2021-01-22 Vitesco Technologies qualification campaign makes employees worldwide fit for e-mobility**





## Example 2

### “ENCODE”

An series of intensive courses organised by the University of Bologna and its partners in the framework of a European project to form **digital competences** for learners already experienced in **preparing texts in ancient languages** for publication.

The January 2021 edition regarded texts in Latin and Greek. (Next, texts in ancient Ethiopian).



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA  
DIPARTIMENTO DI STORIA CULTURE CIVILTÀ



# ENCODE

BRIDGING THE <GAP> IN ANCIENT WRITING CULTURES  
ENHANCE COMPETENCES IN THE DIGITAL ERA

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DIGITAL GREEK AND LATIN EPIGRAPHY WORKSHOP 2021



crobol

## ENCODE

**Challenges:** how to **select** participants, how to award **credit**, how to define **level**.

Entry requirements: to be knowledgeable not only in the ancient language, but also **in the publishing conventions** used for that language.

Participants can be, in theory, of **any cycle of studies** if they have the appropriate entry qualifications.

# ENCODE

## **Solutions:**

To define competence **levels**, the project referred to the History Qualifications Framework developed in the CALOHEE project (<https://www.calohee.eu/>).

**Credit is awarded by the institution of origin**, as **agreed** with the University of Bologna: 3 to 5 credits according to the number of texts prepared.

It is awarded **at the level of the participant**.

### Example 3:

MC offered by CIMEA - Information Centre on Academic Mobility and Equivalence (Italian ENIC-NARIC center)

**Microcredential (12 ECTS): Advanced professional competences for Credential Evaluator, evaluation of credentials and recognition procedures.**

40 learners: to be accepted the learner must already have a first cycle degree (Laurea/Bachelor)

Aimed at persons employed in HEIs, public administrations or elsewhere, where an understanding of academic systems and the rules and procedures related to the correct application of the Lisbon Recognition Convention are needed.



The «Professional certificate on credential evaluation» is offered by an '**other provider**' (CIMEA), designed and managed with an HEI, the European University of Rome.

It leads to the award of a «Microcredential **Certificate**», accompanied by a «Microcredential **Supplement**», on the **model of the DS**.

## MICRO-CREDENTIAL CERTIFICATE

*ATTESTAZIONE DI MICRO-CREDENZIALE*

This is to certify that  
*Si attesta che*



has been awarded the  
*ha ottenuto il*

## Professional Certificate of Credential Evaluator

*Certificato professionale di Credential Evaluator*

This course for Credential Evaluators (12 ECTS)  
has been jointly organised by CIMEA and the Università Europea di Roma  
under the supervision of the Italian Ministry for Universities and Research (MUR)

*Il presente corso per Credential Evaluator (12 ECTS)  
è stato organizzato congiuntamente da CIMEA in collaborazione con l'Università Europea di Roma  
e sotto la supervisione del Ministero dell'Università e della Ricerca (MUR)*

Rome,  
21<sup>st</sup> January, 2021

Luca Lantero  
*CIMEA Director*

This digital certificate is registered on the "Diplome" blockchain ecosystem  
*Il presente certificato digitale è registrato nell'ecosistema blockchain di "Diplome"*

## MICRO-CREDENTIAL SUPPLEMENT

1. **Name of the qualification:** Micro-credential certificate
2. **Name of the course:** Professional course for Credential Evaluators
3. **Name and status of awarding institution:** CIMEA – Italian ENIC-NARIC centre
4. **Level of Micro-credential:** Level 7 according to the European Qualifications Framework (EQF)
5. **Other qualification(s) awarded:** Diploma di corso di perfezionamento issued by the Università Europea di Roma
6. **Mode of study:** Online
7. **Language(s):** Italian and English
8. **Length of the programme:** 4 months
9. **Workload:** 12 ECTS
10. **Final assessment:** Project work
11. **Quality assurance:** Academic Evaluation Committee of the Università Europea di Roma
12. **Learning outcomes:**

- I. Deal with the challenges related to the evaluation of qualifications and recognition procedures
- II. A thorough current and historical knowledge of all aspects of the issuing country's educational system, including traditional academic, vocational, technical, professional, and graduate education
- III. Develop a knowledge of different models of countries' educational systems and competence in using the appropriate reference sources
- IV. A thorough familiarity with and competency in using bibliographic and reference sources employed in credential evaluation, including Internet resources
- V. A thorough current and historical knowledge of all aspects of the educational system to which the original credential is being compared
- VI. A thorough knowledge of the methods and practices commonly used by international credential evaluators to conduct all aspects of a credential evaluation
- VII. An ability to conduct thorough and professional communication with education officials at national and international level and being updated on the current reforms and latest news related to the internationalisation of higher education
- VIII. Be capable of performing the functions of the role of international credential evaluator on an independent basis, but under the direct supervision of a senior evaluator

**Verification of the certificate:** in order to check the authenticity of the present Micro-credential, please ask the holder directly to proceed with sharing all the related documents through his/her "Diplome Wallet" on blockchain.

This Certificate is released in line with the EC European Approach to Micro-credentials

# Microcredential supplement, verifiable and included in the learner's «electronic 'wallet' (using blockchain).

<http://www.cimea.it/en/servizi/cimea-academy/university-certificates-and-micro-credentials.aspx>

## Conclusions:

1. Micro-credentials can provide **new key competences** in 'real time'.
2. Industry, companies, employers, private and public, can cooperate with HEIs to develop MCs.
3. **ECTS** (LOs and workload) are easy to use to describe MCs.
4. '**Level**' (QF cycle) is more complicated: it needs to be defined carefully, for entry level as well as the level of the MC itself.
5. **Subject Area frameworks** can be useful in this regard.
6. An MC Supplement may improve **readability** of the MC.

Thank you!

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