



EC initiative on Curriculum Guidelines for KETs and AMT

High-level expert workshop on

Future-Proofing Vocational Education for Manufacturing: Strategy, Collaboration Patterns and Learning Environment

17 September 2019 in Brussels

SKILLNET

the new EU funded Skillman's strategy to develop a large
network of CoVE with Earlall, Cumulus, IVETA and Eapril

Co-funded by the
Erasmus+ Programme
of the European Union



SKILL MAN

Transnational platform of
Centres of Vocational Excellence
for the Advanced Manufacturing Sector

skillman.eu

Giovanni Crisonà - secretariat@skillman.eu



> 350
MEMBERS
WORLDWIDE

Co-funded by the
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of the European Union



Giovanni Crisonà - secretariat@skillman.eu



IVETA



earlall

EUROPEAN ASSOCIATION OF REGIONAL & LOCAL
AUTHORITIES FOR LIFELONG LEARNING



eapril

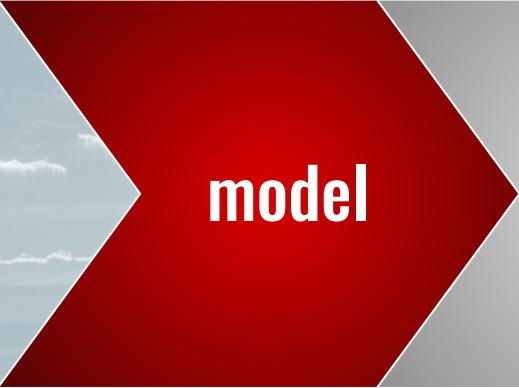


model

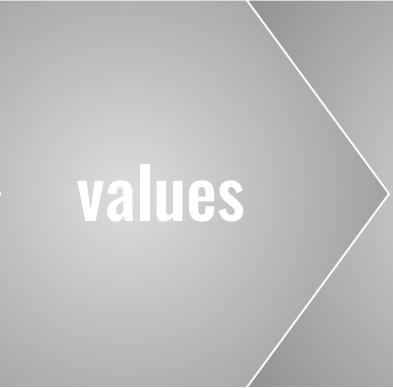
values

tools





model



values



tools



HSEs High Skills ecosystems

worldwide
distribution



EU Commission proposal for the next
Erasmus programme 2021-2027
includes to support
**Platforms of Centres of
Vocational Excellence**
under the title of
Partnerships for Excellence (KA2)

Economist David Finegold suggests that there are four elements required to create and sustain
high-skills ecosystems
a catalyst, nourishment, a supportive host environment, and a high level of mutual interdependence



education, culture, youth and sport: The Council adopts EU policy frameworks and work plans in these areas which set out the priorities for cooperation between member states and the Commission

+ rollout strategy
at territorial level



POLICY MAKING

influencing the VET policy agenda



OPERATIONAL LEVEL

improving the quality and efficiency of VET



> 350 Active Members



National
Coordinator

Area
Coordinator

Editorial
Board Member

Counselor

Ambassador

International
Board Member



model

values

tools

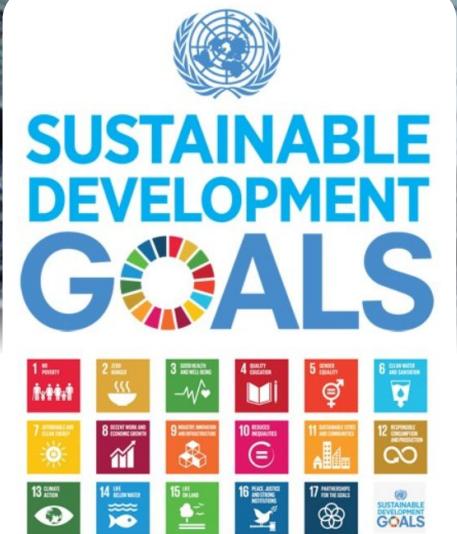


values

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Ethical Impact

Skillman gives a sense to learning

values

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of the European Union



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including the ethical values in the skills sets

leaving no one behind providing AM skills





model

values

tools



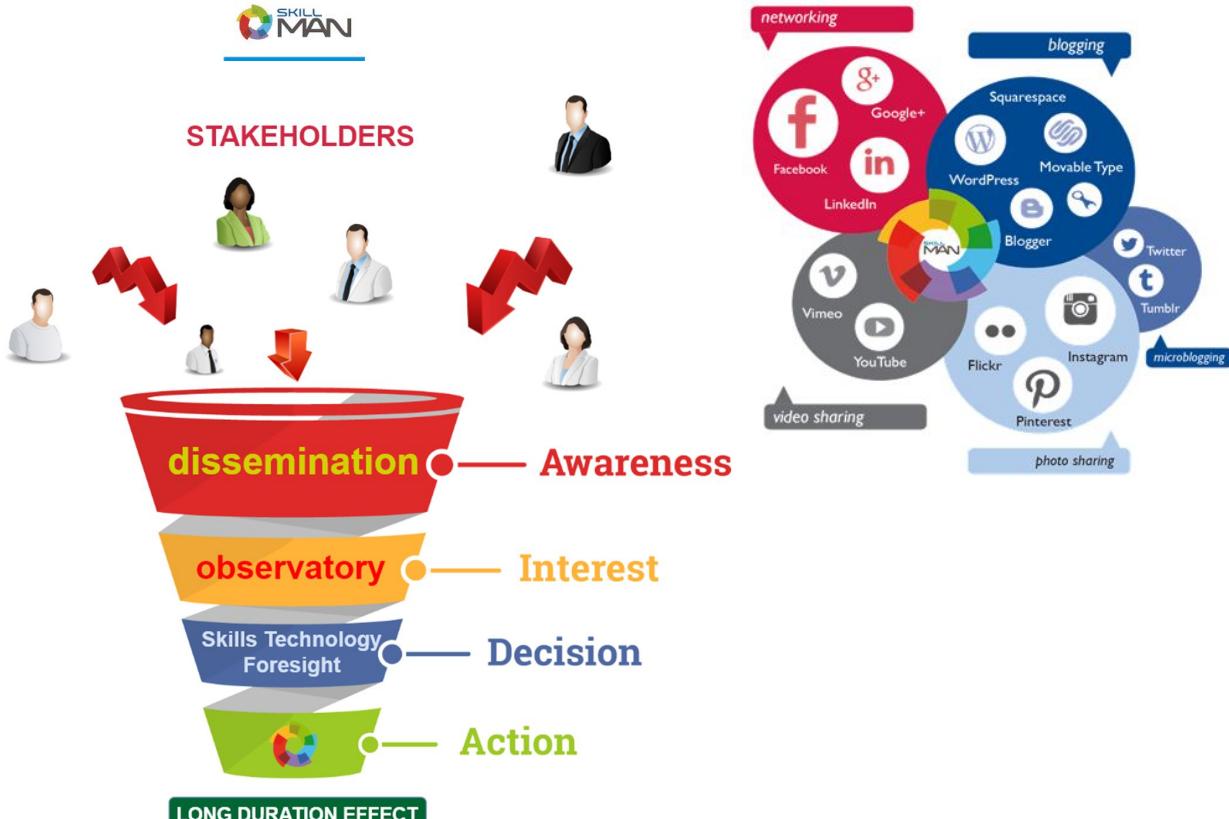
tools

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SCOUTING



tools

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2 Website – 20k visitors / year

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The transnational platform of centres of vocational excellence for the emerging skills in Advanced Manufacturing

SIF 2019
SKILLMAN INTERNATIONAL FORUM
9 – 11 OCTOBER, LORENZO ITALY
MILANO



The one-stop shop providing state of the art solutions to competencies and skills needs faced by the automotive, aerospace and train industries

Open Network of Associated Partners

JOB ROLES CURRICULA CERTIFICATIONS

Sector Skills Alliance for Advanced Manufacturing in the Transport Sector

Welcome to the E-Learn SKILLMAN platform

This platform enables educational providers with curricula, certifications, job requirements and Open Educational Resources or links to external sources.

The platform allows to navigate through three different pathways:

- curricula
- job roles
- certifications

The core content of the platform is represented by the UoL – Units of Learning that are combined to compose a curricula, a job role or a certification.

The e-Learning is structured reflecting the modular approach adopted by the joint European curricula allowing the educational providers to define Individual Learning Plans, defining individual tasks and assignments and monitoring in real time the attainment of learning outcomes. You can access to this platform both via web as well as via mobile.

Each Unit of Learning belongs to one or more groups (job roles, curricula, certifications) and can also be combined to further create new groups in the existing three categories.

Representation of Unit of Learning mapping system in the Skillman e-Learning platform:

The Skillman maintains an on-going interaction and cooperation with ESDC Sectoral and Cross-Sectoral Reference Groups, providing feedback and information on skills, competencies, qualifications and qualifications in Advanced Manufacturing for the Transport Sector. The delivery of educational programmes is based upon the reference framework promoted by EQAVET, its procedures and the 10 indicators for monitoring the quality and impact of TVET programmes. The Alliance is committed to cooperate and support the EQAVET working group by embedding the Quality Assurance approach in line with the proposed requirement of EQAVET.

Renzo Salimbeni

COMPOSITE S Industry & Production 4.0

Inside auto manuf

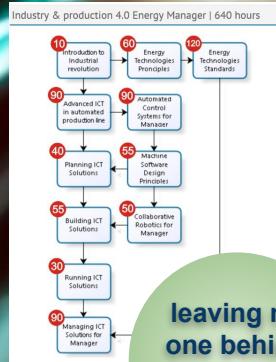
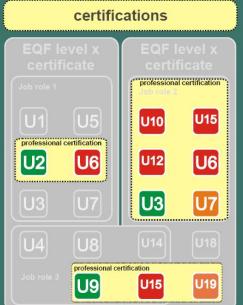


MARKETPLACE

Exploitation opportunities

learn.skillman.eu

Ux unit of learning outcomes compositions



leaving no one behind
providing AM skills

Giovanni Crisonà - secretariat@skillman.eu

The one-stop-shop providing state of the art solutions to competencies and skills needs aced by the automotive, aerospace and train industries

JOBS ROLES **CURRICULA** **CERTIFICATIONS**

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Representation of Unit of Learning mapping system in the Skillman e-learning platform:

Ux unit of learning outcomes compositions

UOL Groups

COMPOSITE S Industry & Production 4.0

Inside auto manu

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**800 recipients
skillman newsletter**

tools

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Annual online video contest

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tools

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PLCs - PEER LEARNING CLUBS

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4 thematic permanent groups

PLCs

AM Sectoral dimension
Advocacy & Policy Influencing
WBL and standards
Train the trainers

2020 - 21

24 VET staff mobility

24 VET learners mobility

24 VET leaders mobility

36 org cooperation partnerships





2020 - 21
36 webinars



collection and circulation of relevant information on EU funds opportunities and procedures
organising on site and distance trainings for the VET provider personnel to promote and foster
the effective use of EU funding instruments

tools

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SIF

SKILLMAN INTERNATIONAL FORUM

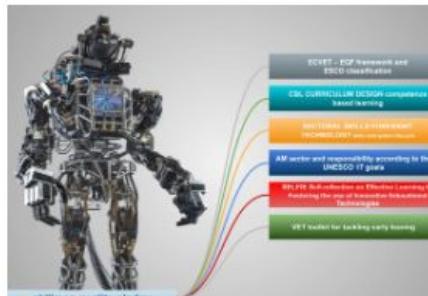




SIF 2019 - SKILLMAN INTERNATIONAL FORUM



'Action driven' model for CoVE



Curriculum design



Ethical Impact



study abroad



INTERNATIONAL EVENT

VET innovation cafè
dissemination campaign
32 VET innovation preparatory seminars

**FULLY INTEGRATED WITHIN THE
EUROPEAN VOCATIONAL SKILLS WEEK**



#DiscoverYourTalent



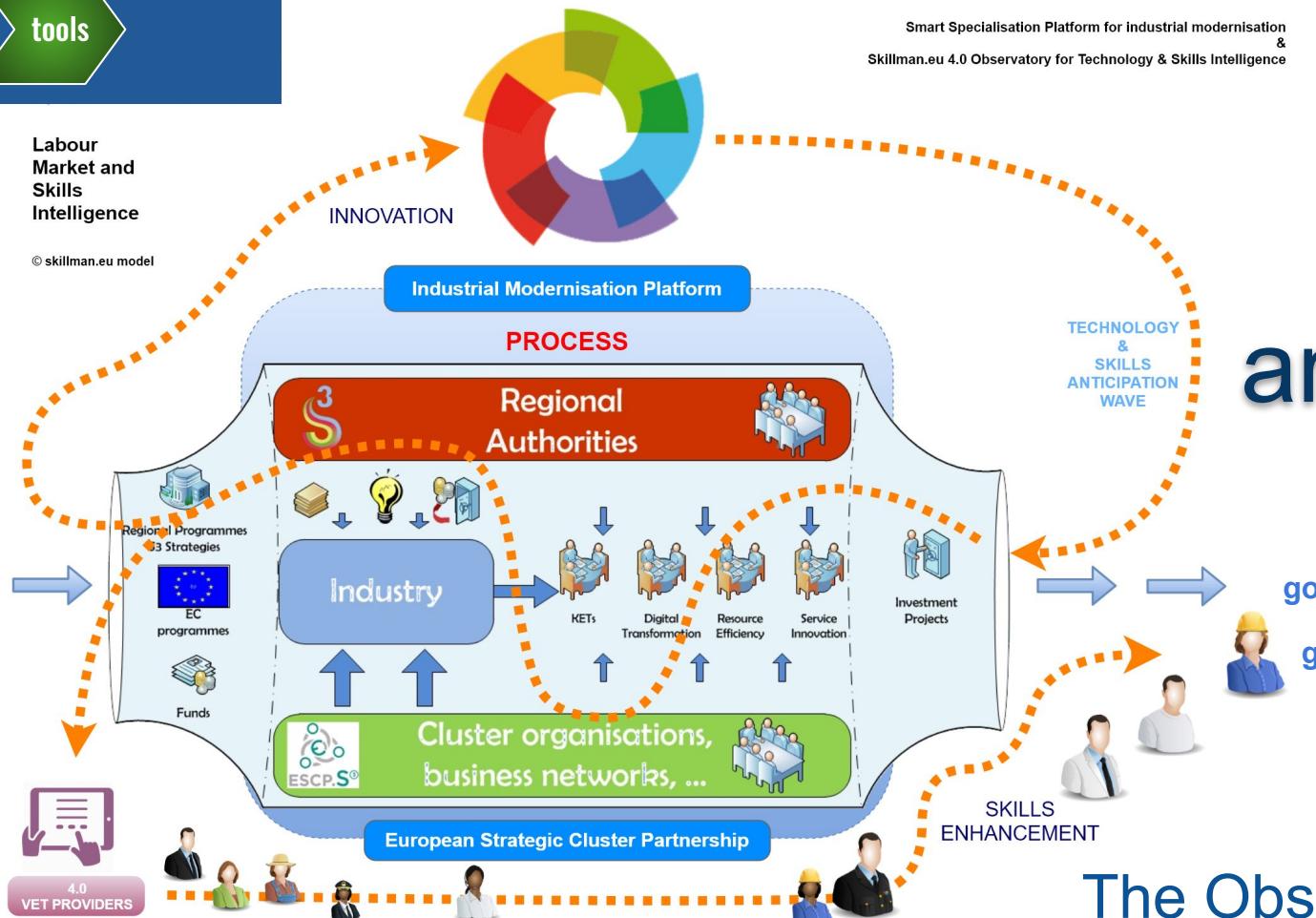
#EUVocationalSkills

INTERNATIONAL EVENT

**SKILL
MAN**

Transnational platform of
Centres of Vocational Excellence
for the Advanced Manufacturing Sector

skillman.eu



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The skills anticipation lifecycle

The Observatory

Giovanni Crisonà - secretariat@skillman.eu

including
the ethical
values in
the skills
sets



ESCO DB + ECVET + EQF STANDARDS =

Curriculum template

B. Curriculum template																																																	
Module <i>Number and title</i>																																																	
Unit of learning <i>Number and title</i>	1. Planning ICT solutions																																																
Dura <i>Hours</i>																																																	
Number of ECVET Points <i>(if applicable)</i>																																																	
Learning outcome <i>Number and title</i>	1.1 Product and project planning																																																
Competences																																																	
1. Strategic and operational cost effectiveness, potential risks, opportunities, strengths and weaknesses of the organization, its environment and its stakeholders, available resources.																																																	
2. Manage change requests.																																																	
3. Define delivery quantity and provides an overview of additional resource requirements.																																																	
4. Define delivery quantity and provides an overview of additional resource requirements.																																																	
5. Define delivery quantity and provides an overview of additional resource requirements.																																																	
6. Identify all potential targets for the service.																																																	
7. Define the communication plan, the communication methods and the communication channels.																																																	
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9. Manage the change request process.																																																	
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3. Manage the change request process.																																																	
Assessment methods <i>(Click appropriate box/ies)</i>	<input type="checkbox"/> Written exercises and tests <input type="checkbox"/> Oral examination and exercises <input type="checkbox"/> Practical assignment under supervision <input type="checkbox"/> Practical assignment autonomously and responsibly <input type="checkbox"/> Other activities (please specify): _____																																																
Ux unit of learning outcomes compositions	<table border="1"> <thead> <tr> <th colspan="2">job roles</th> <th colspan="2">curriculum</th> <th colspan="2">certifications</th> </tr> <tr> <th colspan="2">EQF level x certificate</th> <th colspan="2">EQF level x certificate</th> <th colspan="2">EQF level x certificate</th> </tr> </thead> <tbody> <tr> <td>Job role 1</td> <td>U1 U5 professional certification</td> <td>Job role 2</td> <td>U10 U15 professional certification</td> <td>Job role 1</td> <td>U1 U5 professional certification</td> </tr> <tr> <td>U2 U6</td> <td>U12 U6</td> <td>U10 U15</td> <td>U12 U6</td> <td>U1 U5</td> <td>U12 U6</td> </tr> <tr> <td>U3 U7</td> <td>U3 U7</td> <td>U12 U6</td> <td>U3 U7</td> <td>U1 U5</td> <td>U12 U6</td> </tr> <tr> <td>U4 U8</td> <td>U4 U8</td> <td>U14 U18</td> <td>U4 U8</td> <td>U1 U5</td> <td>U14 U18</td> </tr> <tr> <td>Job role 3</td> <td>U9 U8 professional certification</td> <td>U9</td> <td>U9</td> <td>Job role 3</td> <td>U9 U15 U19 professional certification</td> </tr> <tr> <td>U9 U8</td> <td></td> <td>U15</td> <td>U19</td> <td>U9 U15 U19 professional certification</td> <td></td> </tr> </tbody> </table>	job roles		curriculum		certifications		EQF level x certificate		EQF level x certificate		EQF level x certificate		Job role 1	U1 U5 professional certification	Job role 2	U10 U15 professional certification	Job role 1	U1 U5 professional certification	U2 U6	U12 U6	U10 U15	U12 U6	U1 U5	U12 U6	U3 U7	U3 U7	U12 U6	U3 U7	U1 U5	U12 U6	U4 U8	U4 U8	U14 U18	U4 U8	U1 U5	U14 U18	Job role 3	U9 U8 professional certification	U9	U9	Job role 3	U9 U15 U19 professional certification	U9 U8		U15	U19	U9 U15 U19 professional certification	
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2. Estimates cost effectiveness, points of risk, opportunities, strengths and weaknesses, identifies time scales and milestones, ensuring optimisation of work plans; establishes time scales and milestones, ensuring optimisation of work plans; establishes time scales and milestones, ensuring optimisation of work plans.																																																	
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Assessment criteria <i>Description and timing</i>																																																	
Qualifications framework <i>Reference to EQF and NVQ</i>																																																	
Delivery methods																																																	
Resources																																																	
Reading material:																																																	
Websites:																																																	
Videos and tutorials:																																																	
Activities																																																	

UoL



our STANDARDS



Digital Skills and
Jobs Coalition



**ECVET – EQF framework and
ESCO classification**

CBL CURRICULUM DESIGN
competence based learning

SECTORAL SKILLS FORESIGHT
TECHNOLOGY skills anticipation lifecycle

AM sector and responsibility
according to the UNESCO 17 goals

SELFIE Self-reflection on Effective
Learning by Fostering the use of
Innovative Educational Technologies

VET toolkit for tackling early leaving



ESCO DB + ECVET + EQF STANDARDS = Curriculum template



Ux unit of learning outcomes compositions

job roles

EQF level x certificate	
Job Role 1	
U1	U5
professional certification	
U2	U6
U3	U7
U4	U8
professional certification	
U9	U15
Job role 2	
U10	U15
U12	U6
U3	U7
Job role 3	
U14	U18
professional certification	
U9	U15
Job role 4	
U18	U19

curriculum

EQF level x certificate	
Job role 1	
U1	U5
professional certification	
U2	U6
U3	U7
U4	U8
Job role 2	
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U12	U6
U3	U7
U14	U18
Job role 3	
U9	U15
U15	U19

certifications

EQF level x certificate	
Job role 1	
U1	U5
professional certification	
U2	U6
U3	U7
U4	U8
Job role 2	
U10	U15
U12	U6
U3	U7
U14	U18
Job role 3	
U9	U15
U15	U19

Help UoL Point

B. Curriculum

Mod. Unit

Number of competencies

Number of EQF Points

Number of additional modules

Learning outcomes Number and title

Competences

- 1. Strategic and performance management
- 2. Strategic and operational planning, opportunities, strengths and weaknesses analysis
- 3. Stakeholder management
- 4. Managing change, crisis
- 5. Delivering quality products and services or processes
- 6. Business ethics and social responsibility
- 7. Professional development, lifelong learning

Knowledge

- 1. Effective business and methodology for
- 2. Strategic and performance management
- 3. Strategic and operational planning
- 4. Stakeholder management
- 5. Managing change, crisis
- 6. Delivering quality products and services or processes
- 7. Business ethics and social responsibility
- 8. Professional development, lifelong learning

Assessment methods

(Click appropriate box)

- Written exercises and tests
- Oral examination and interview
- Practical assignments and projects
- Practical assignments assignments
- Other activities (please specify)



ESCO DB + ECVET + EQF STANDARDS – Curriculum template



ESCO DB + ECVET + EQF STANDARDS – Curriculum template

The curriculum template is designed to facilitate the integration of ESCO DB, ECVET, and EQF Standards. It features three main sections: Job Roles, Curricula, and Certifications, each represented by an orange door in a blue-walled hallway.

Job Roles: This section is on the left, featuring a large blue document labeled "UoL" (University of Learning) with various fields for "B. Curriculum Model Number", "Unit", and "Points".

Curricula: This section is in the center, with a blue wall and a single orange door labeled "curricula".

Certifications: This section is on the right, with a blue wall and two orange doors labeled "certifications".

Skills Compositions: A grid on the right side shows skill compositions across three levels: EQF level 1, EQF level 2, and EQF level 3. Each level has a certificate and a professional certification. The grid contains numbered boxes (U1-U19) corresponding to the doors.

Presentations: A large white area on the right is designated for presentations, with a placeholder text "Please specify":

ESCO DB + ECVET + EQF STANDARDS – Curriculum template

Job roles

certifications

curricula

times compositions

certifications

presentations

Please specify:

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Skillman CoVE

*Transnational platform of
Centres of Vocational Excellence*

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