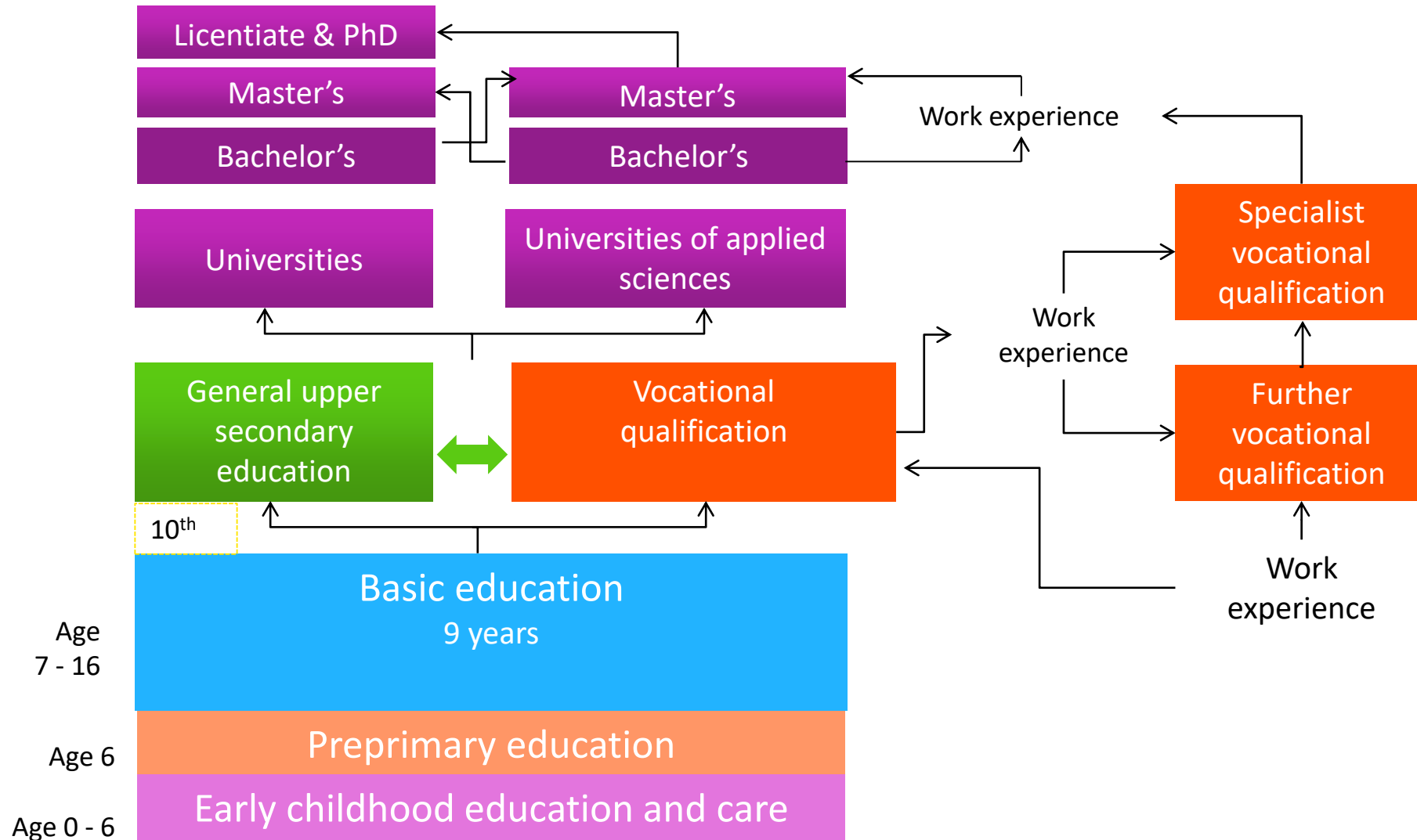


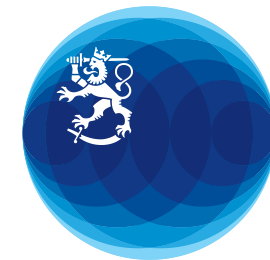
Upper secondary in Finland

Aleksi Kalenius

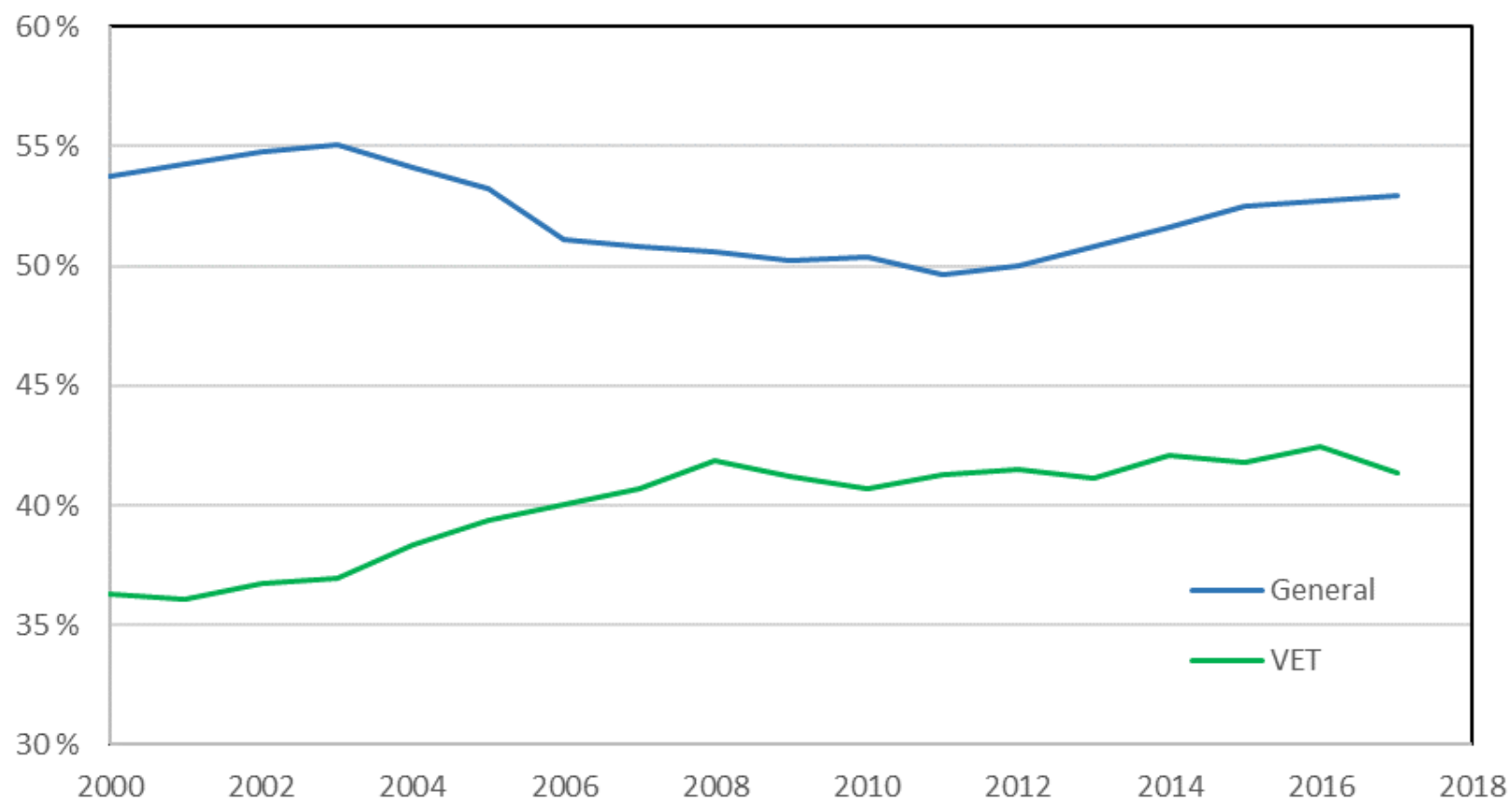
Permanent delegation of Finland to the OECD
and UNESCO

Basic structure



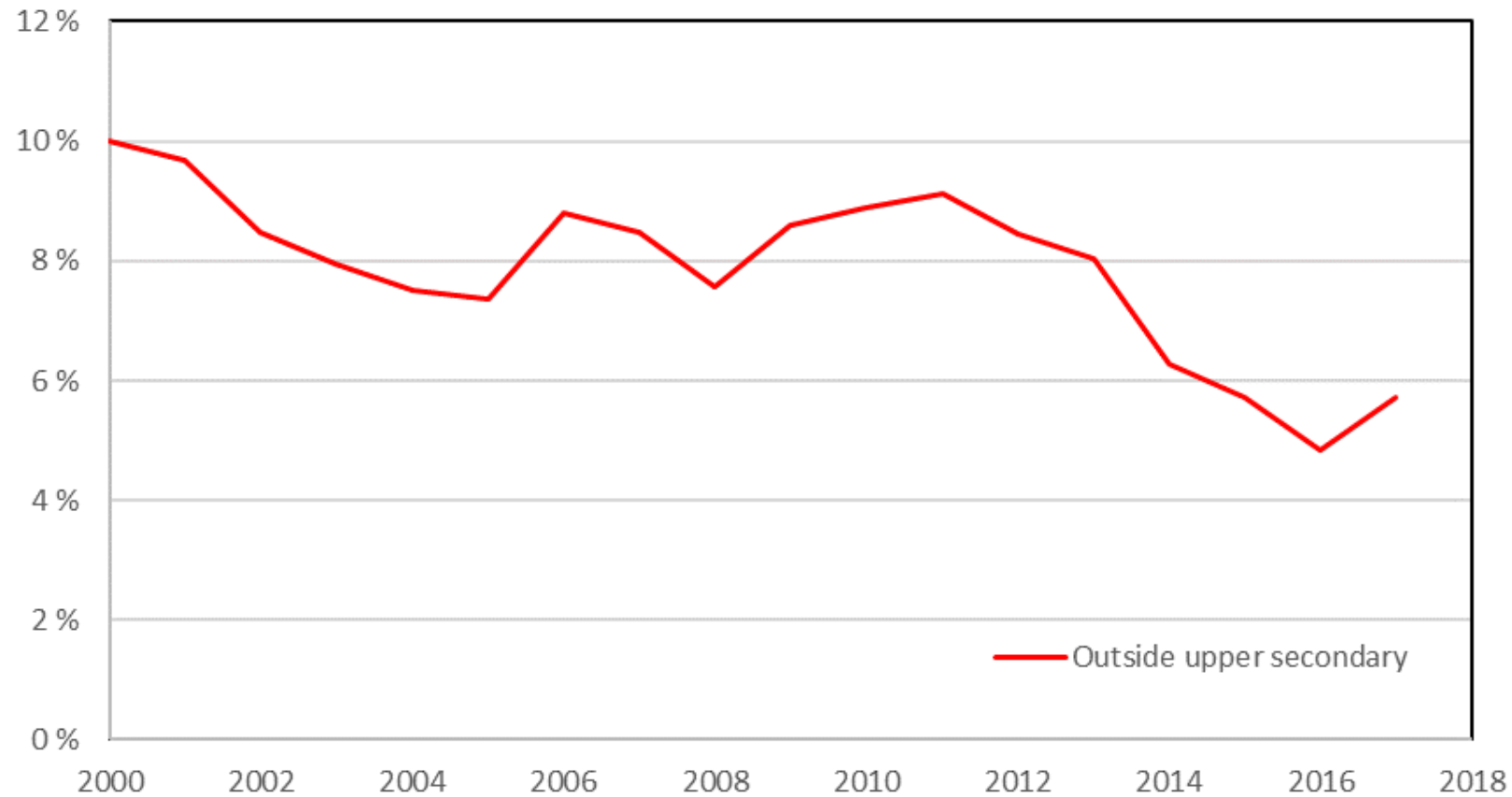


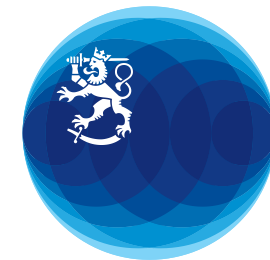
Entry of basic education graduates into upper secondary 2000-2017



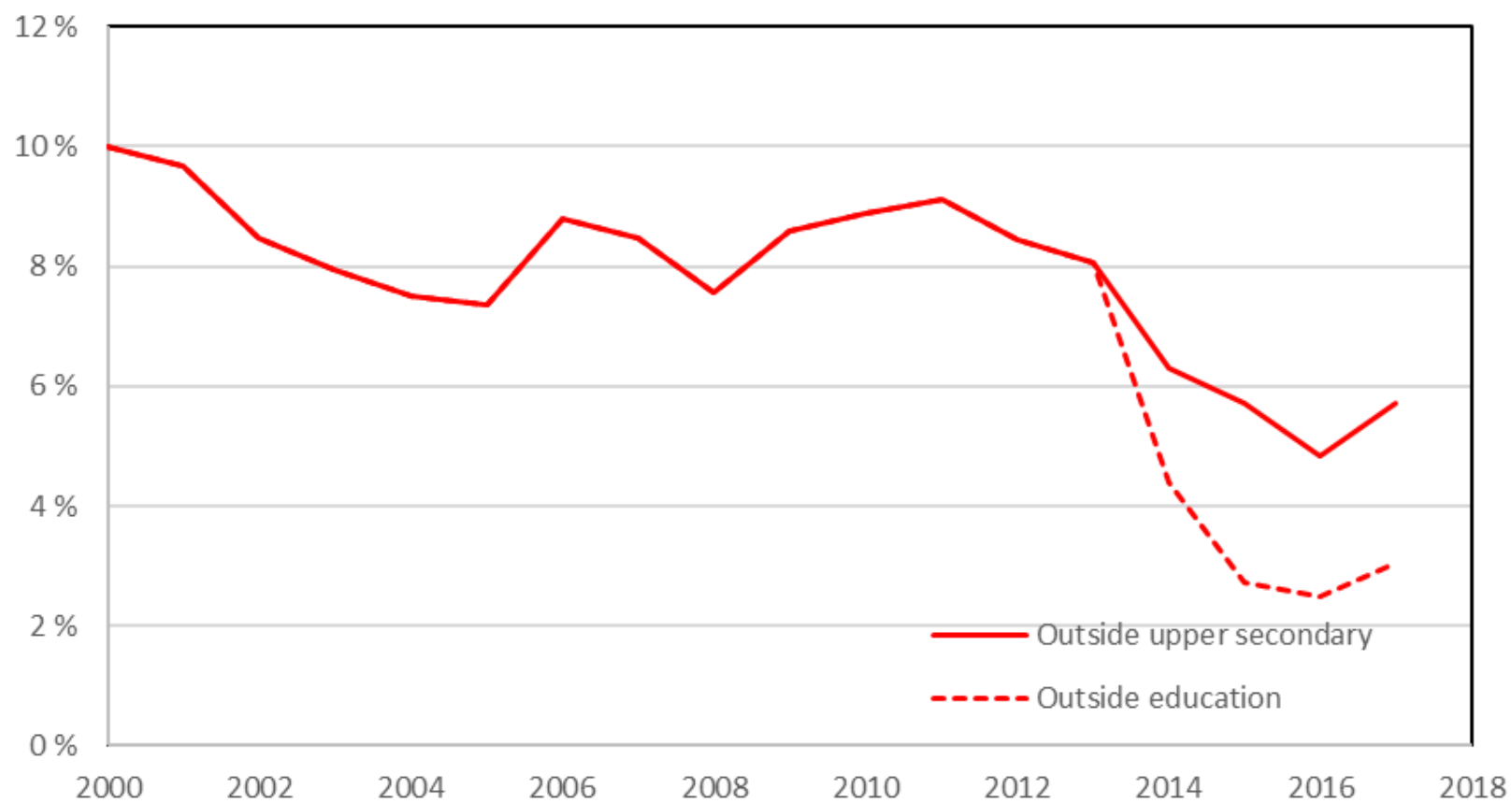


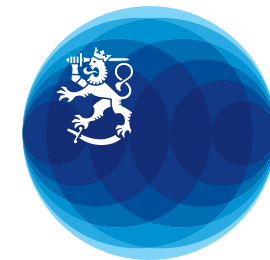
Non-entry of basic education graduates into upper secondary 2000-2017



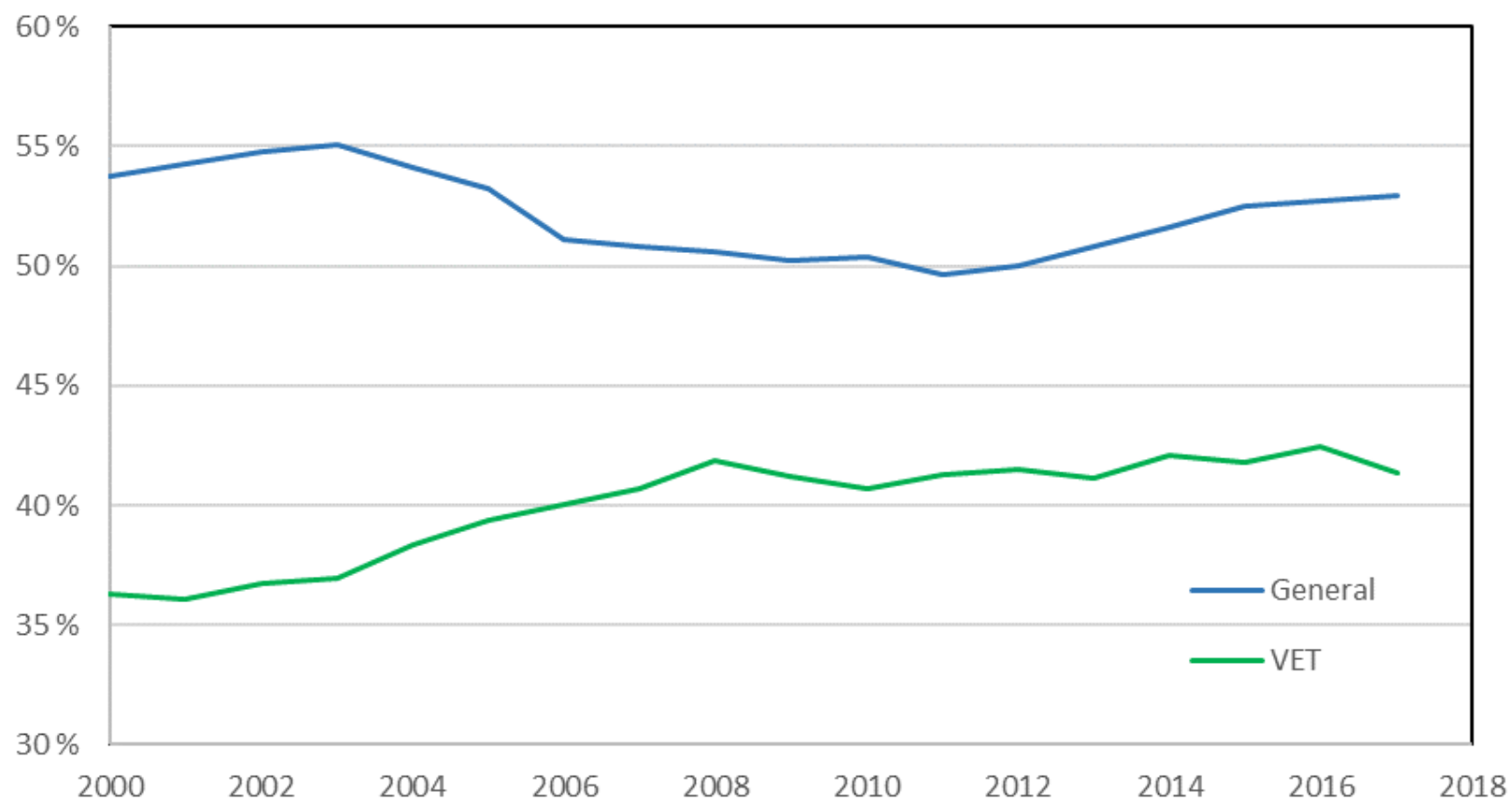


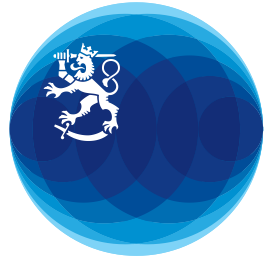
Non-entry of basic education graduates into upper secondary 2000-2017



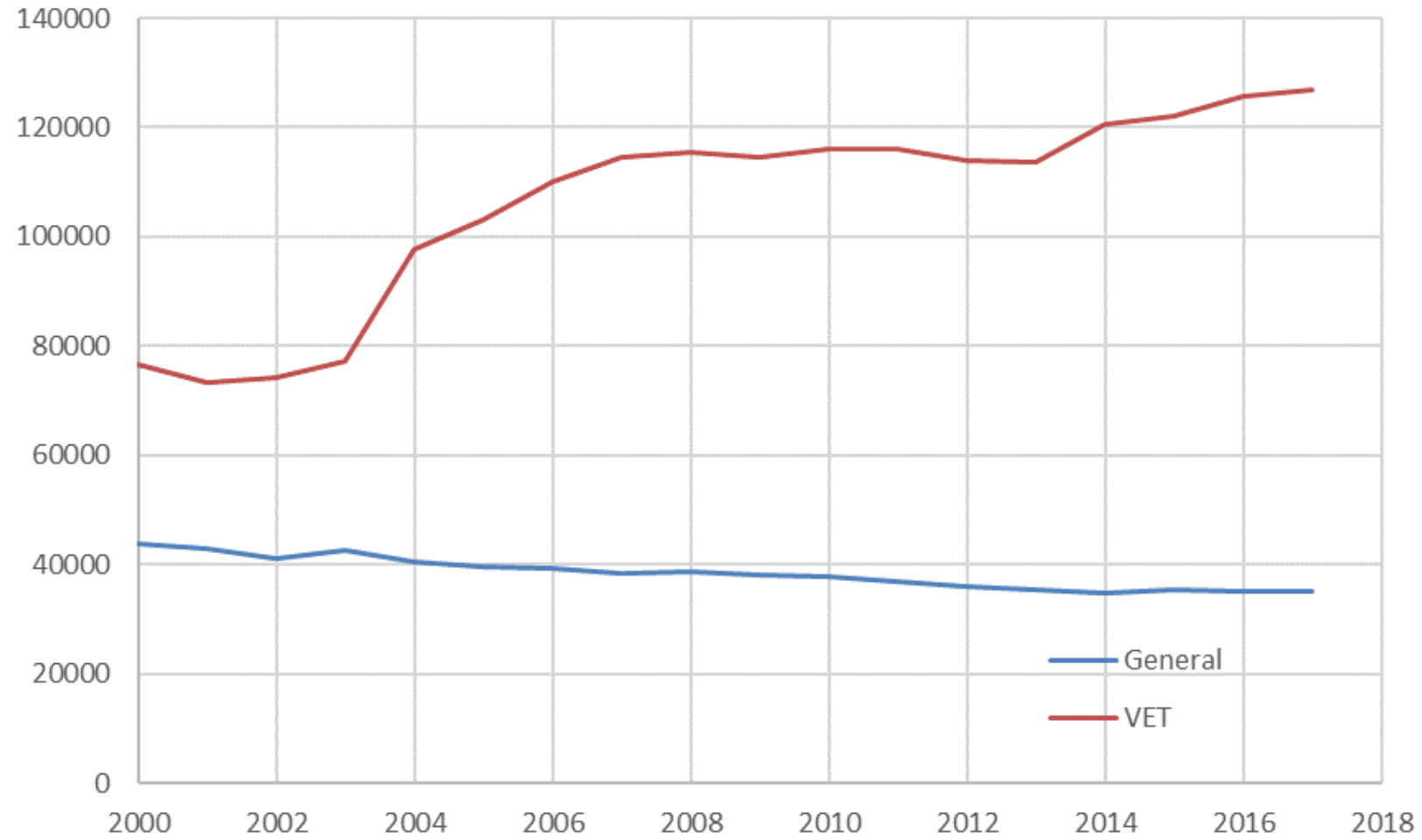


Entry of basic education graduates into upper secondary 2000-2017



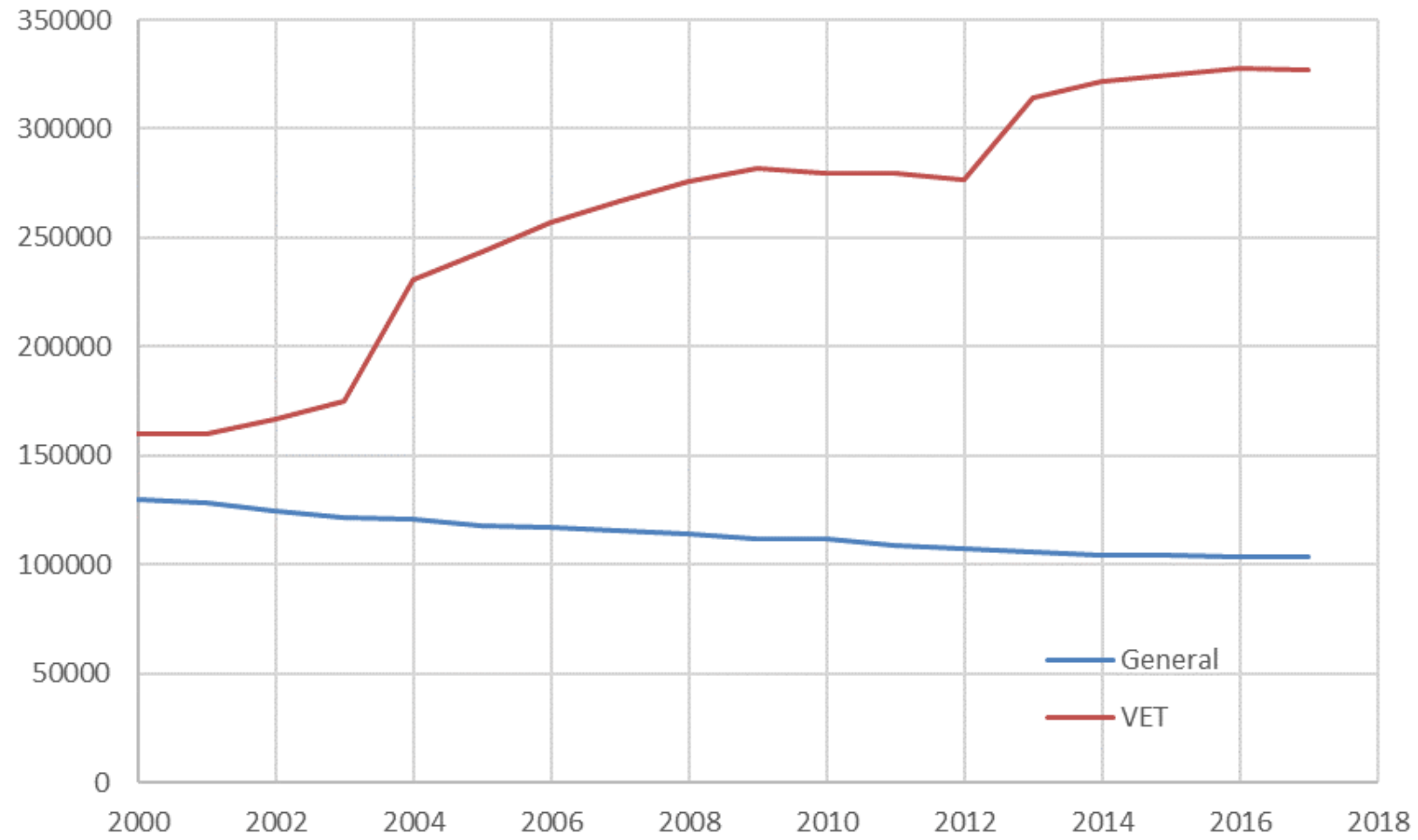


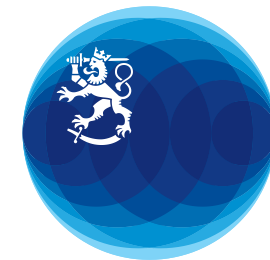
New students in upper secondary 2000-2017



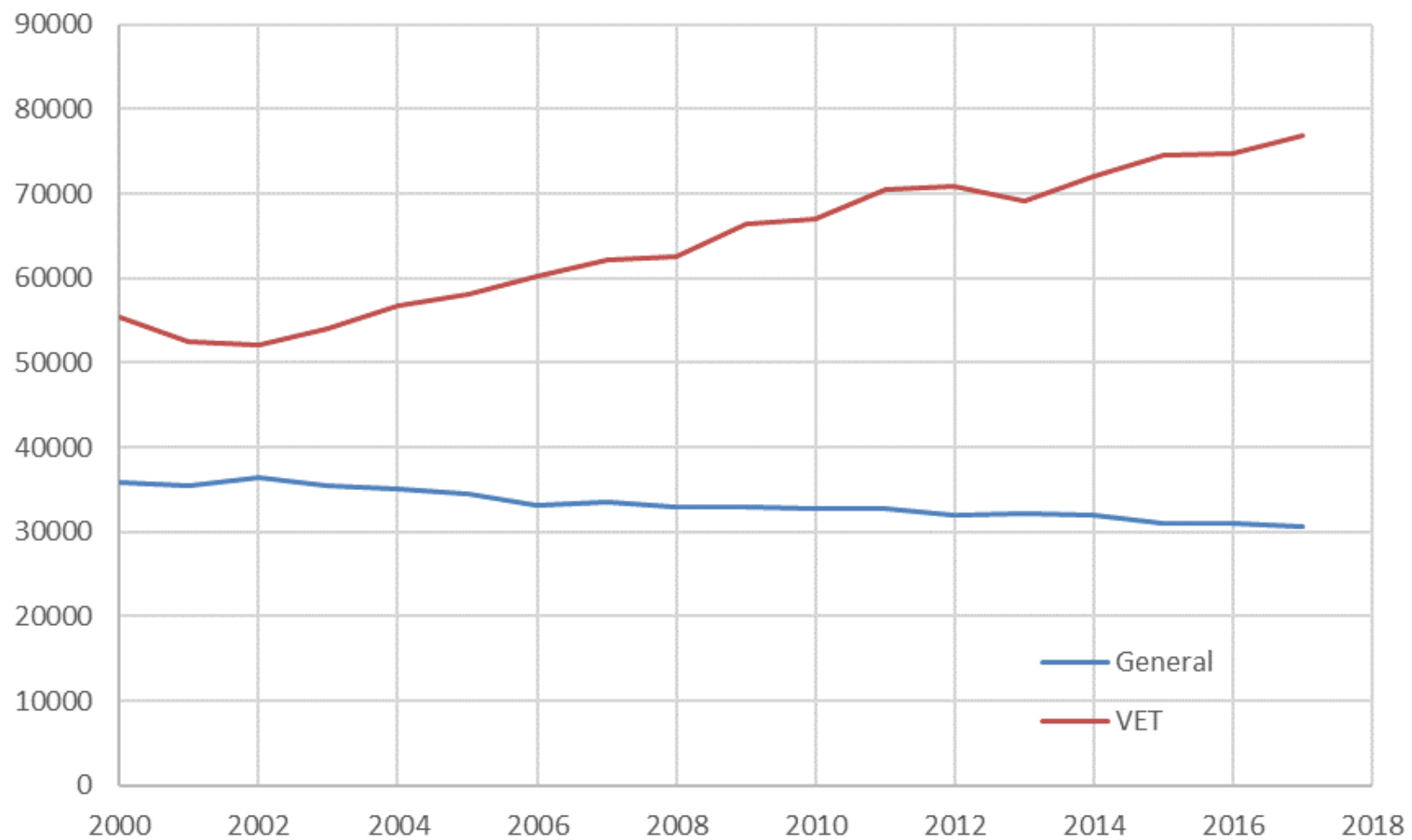


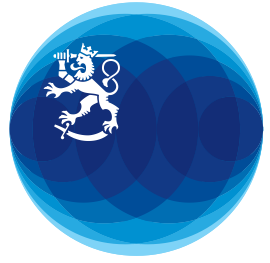
Students in upper secondary 2000-2017





Graduates in upper secondary 2000-2017





Give me some credit

Credits in basic and general upper secondary



- Basic education
 - Weekly lesson hour = one weekly lesson for a year
 - 38 weeks of instruction/year
 - Weekly lesson hour is 38 hours
 - Minimum in basic education = 222 wlh = 8436 hours
- General upper secondary

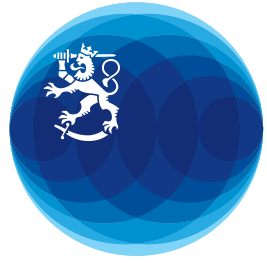
Terveystieto		5	
<i>Ympäristö- ja luonnontietoaineet yhteensä</i>		14	17
Uskonto/Elämäkatsomustieto	2	5	3
Historia ja yhteiskuntaoppi ²	-----	5	7
Musiikki	2	4	2
Kuvataide	2	5	2
Käsityö	4	5	2
Liikunta	4	9	7
Kotitalous	-----		3
Taide- ja taitoaineiden valinnaiset		6	5
<i>Taide- ja taitoaineet yhteensä</i>			62
Oppilaanohjaus	-----		2
Valinnaiset aineet		9	9
Vähimmäistuntimäärä yhteensä			222
(Vapaaehtoinen A2-kieli) ³	-----	(12)	(12)
(Vapaaehtoinen B2-kieli) ³	-----		(4)

-- = Oppiainetta voidaan opettaa asianomaisilla vuosiluokilla, jos opetussuunnitelmassa niin määrätään

¹ Ainetta opetetaan osana ympäristöopin opetusta integroidusti vuosiluokilla 1–6.

² Yhteiskuntaoppia opetetaan vuosiluokilla 4–6 vähintään 2 vuosiviikkotunti ja vuosiluokilla 7–9 vähintään 3 vuosiviikkotuntia.

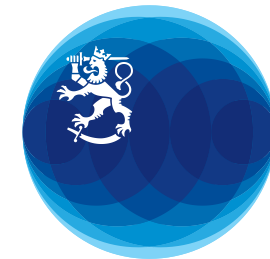
³ Oppilas voi kielestä riippuen opiskella vapaaehtoista A2-kieltä joko valinnaisena aineena tai B1-kielen sijasta opetettavana yhteisenä aineena. Oppilas voi opiskella B2-kieltä valinnaisena aineena. Vaihtoehtoisesti vapaaehtoiset A2- ja B2-kielet voidaan järjestää perusopetuksen tuntijaon vähimmäistuntimäärän ylittävänä opetuksena, jolloin niiden opetusta ei voida järjestää käyttäen tässä pykälässä määriteltyjä valinnaisten aineiden tai B1-kielen kaikille yhteistä vähimmäistuntimäärää. Kielestä riippuen oppilaalle opetetaan tällöin B1-kieltä tai sen sijasta valittavia valinnaisia aineita. Vähimmäistuntimäärän ylittävänä opetuksena A2-kieltä opiskelevan oppilaan kokonaistuntimäärä olisi yhteensä vähintään 234 vuosiviikkotuntia ja B2-kielen valinneen oppilaan yhteensä vähintään 226 vuosiviikkotuntia. Vähimmäistuntimäärän ylittävänä opetuksena sekä A2- että B2-kieltä opiskelevan kokonaistuntimäärä perusopetuksen aikana olisi yhteensä vähintään 238 vuosiviikkotuntia .



Credits in basic and general upper secondary



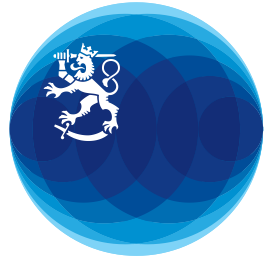
- Basic education
 - Wlh = 38 hours
 - Minimum = 222 wlh = 8436 hours
- General upper secondary
 - Course = 38 hours
 - Minimum = 75 courses (youth) or 44 courses (adult)
 - Minimum = 2850 hours 1675 hours



9 §

Timfördelningen i undervisningen för ungdomar

Läroämnen	Obligatoriska kurser	Antal riksomfattande kurser som erbjuds som fördjupade studier
Modersmål och litteratur	6	3
A-språk	6	2
B-språk	5	2
Övriga språk		8+8
Matematik		
Gemensam kurshelhet	1	
kort lärokurs	5	2
lång lärokurs	9	3



Miljö och naturvetenskaper		
Biologi	2	3
Geografi	1	3
Fysik	1	6
Kemi	1	4
Humanistisk- samhällsvetenskapliga ämnen		
Filosofi	2	2
Psykologi	1	4
Historia	3	3
Samhällslära	3	1
Religion/livsåskådningskunskap	2	4
Hälsokunskap	1	2
Konst- och färdighetsämnen	5	
Gymnastik	2	3
Musik	1—2	2
Bildkonst	1—2	2
Studiehandledning	2	
Temastudier		3
Obligatoriska kurser	47—51	
Fördjupade kurser minst	10	
Kurser sammanlagt minst	75	

Credits in tertiary and VET



- Tertiary education
 - 60 credits = year of studies
 - Year of study = 1600 hours
 - Credit = 26 $\frac{2}{3}$ hours
 - Bachelor = 180 credits
 - Master = 120 credits
- Vocational upper secondary



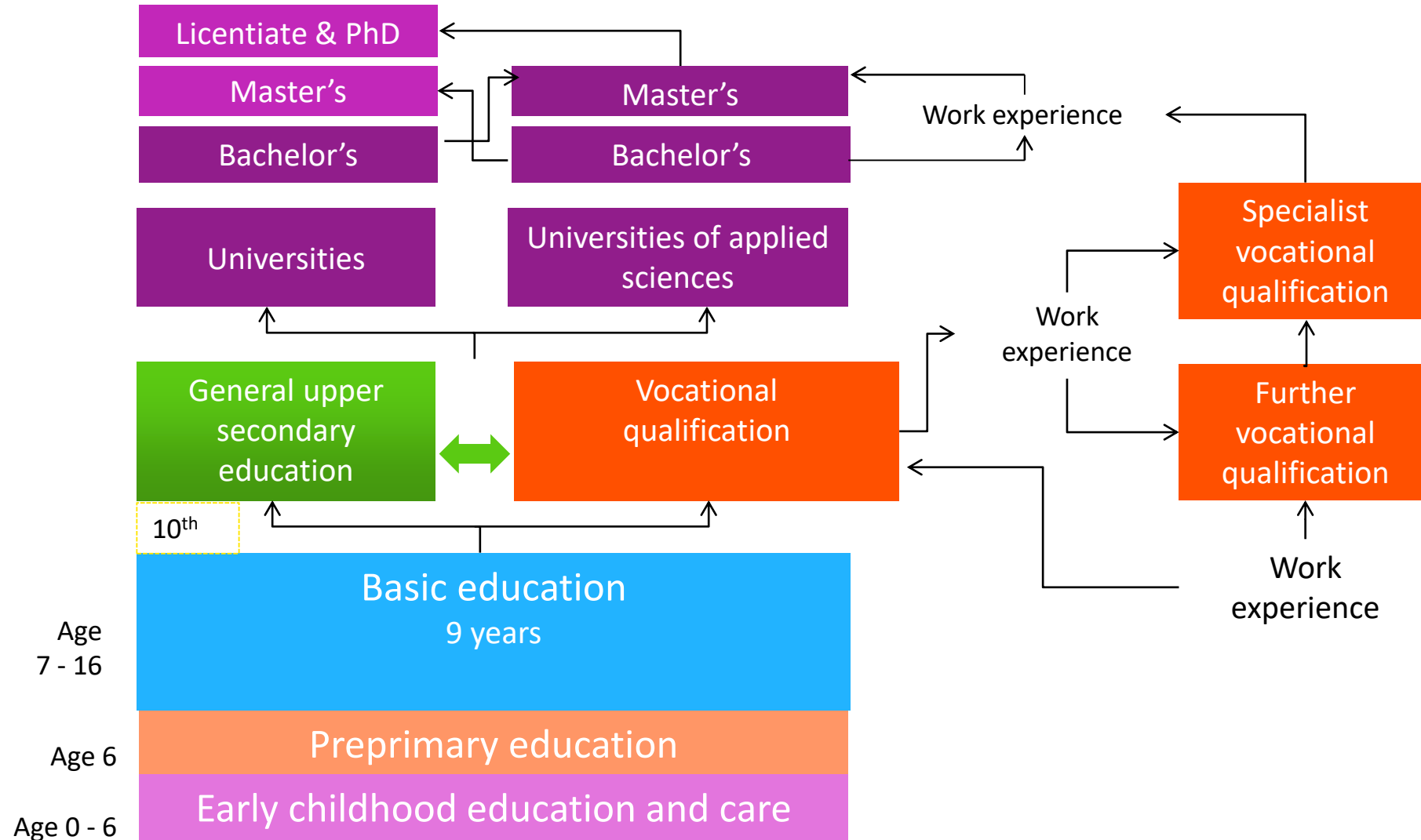
Credits in tertiary and VET

- Tertiary education
 - 60 ECTS credits = year of studies = 1600 hours
 - Bachelor = 180 credits; Master = 120 credits
 - Credit = 26 $\frac{2}{3}$ hours
- Vocational upper secondary
 - 60 ECVET credits = year of studies
 - Vocational qualification = 3 years = 180 credits
 - Further vq = 120, 150, 180 credits
 - Specialist vq = 160, 180, 210 credits



Qualifications

Upper secondary qualifications



Matriculation examination



- As
 - Abitur
 - Baccalaureat
 - Studentexamen
- 1852 entrance examination of the University of Helsinki
- Organised by upper secondary since 1874
- A requirement to apply to University
 - Numerus clausus in University since 1940s

Matriculation examination - exams



- Originally
 - Finnish
 - Swedish
 - Foreign language
 - Mathematics

- 1921
 - Finnish
 - Swedish
 - Foreign language
 - Mathematics
 - Real subjects
 - Physics, chemistry, geography, history, religion etc.

Matriculation examination



- 1947
 - Finnish
 - Swedish
 - Foreign language
 - Mathematics or Real subjects
- 1994
 - Spreading the exam
- 2005-2007-
 - Breaking the Real into separate subject exams
 - Only mother tongue compulsory

Matriculation examination - Now



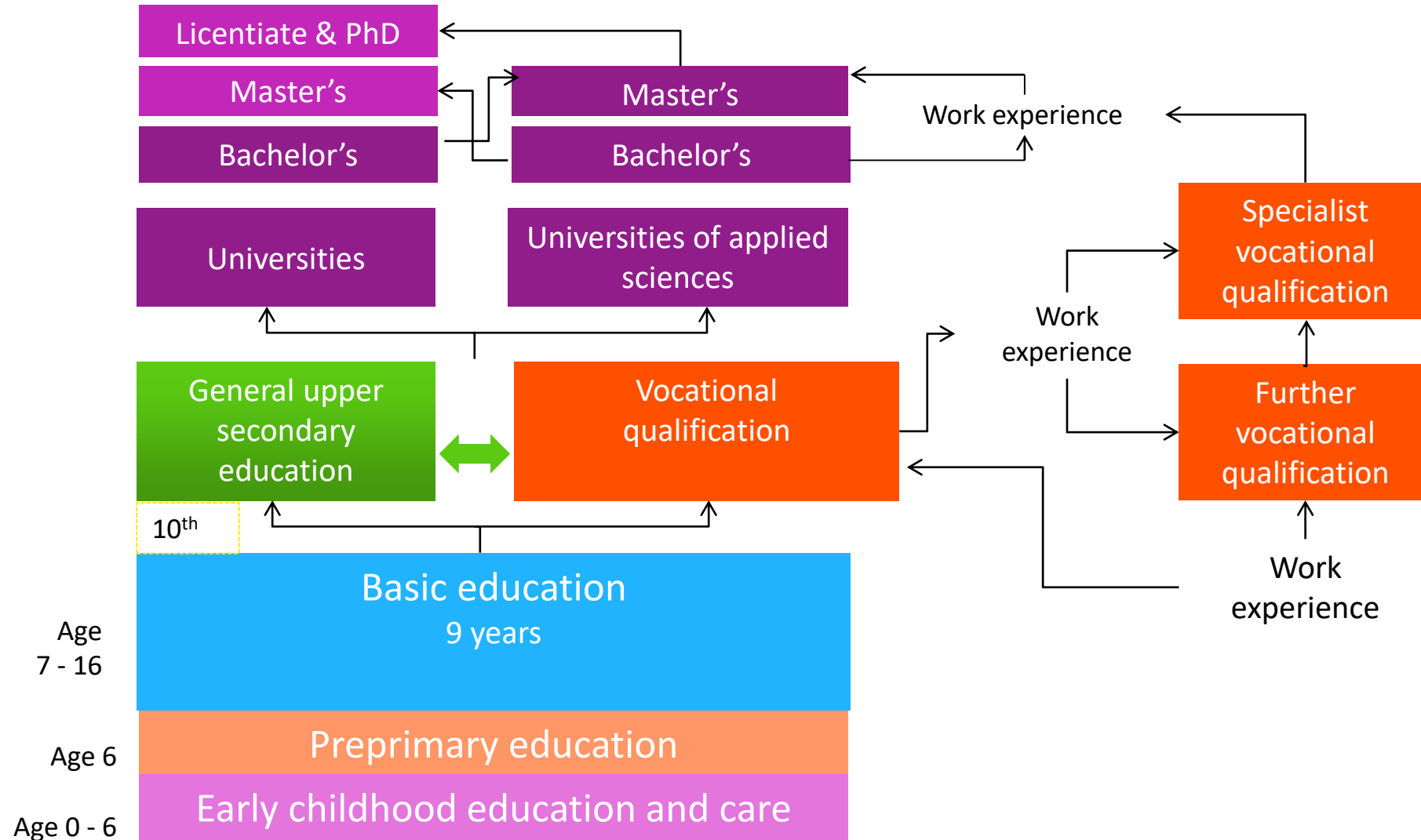
- Four exams minimum (soon 5)
- Languages
 - Finnish (compulsory)
 - Swedish
 - Foreign language
 - English, French, Spanish, Russian
- Mathematics
 - Long or short
- Real subjects
 - Physics
 - Chemistry
 - Geography
 - Biology
 - History
 - Philosophy
 - Psychology
 - Ethics
 - Social studies
 - Health education
 - Religion (several)

Matriculation examination - Grading



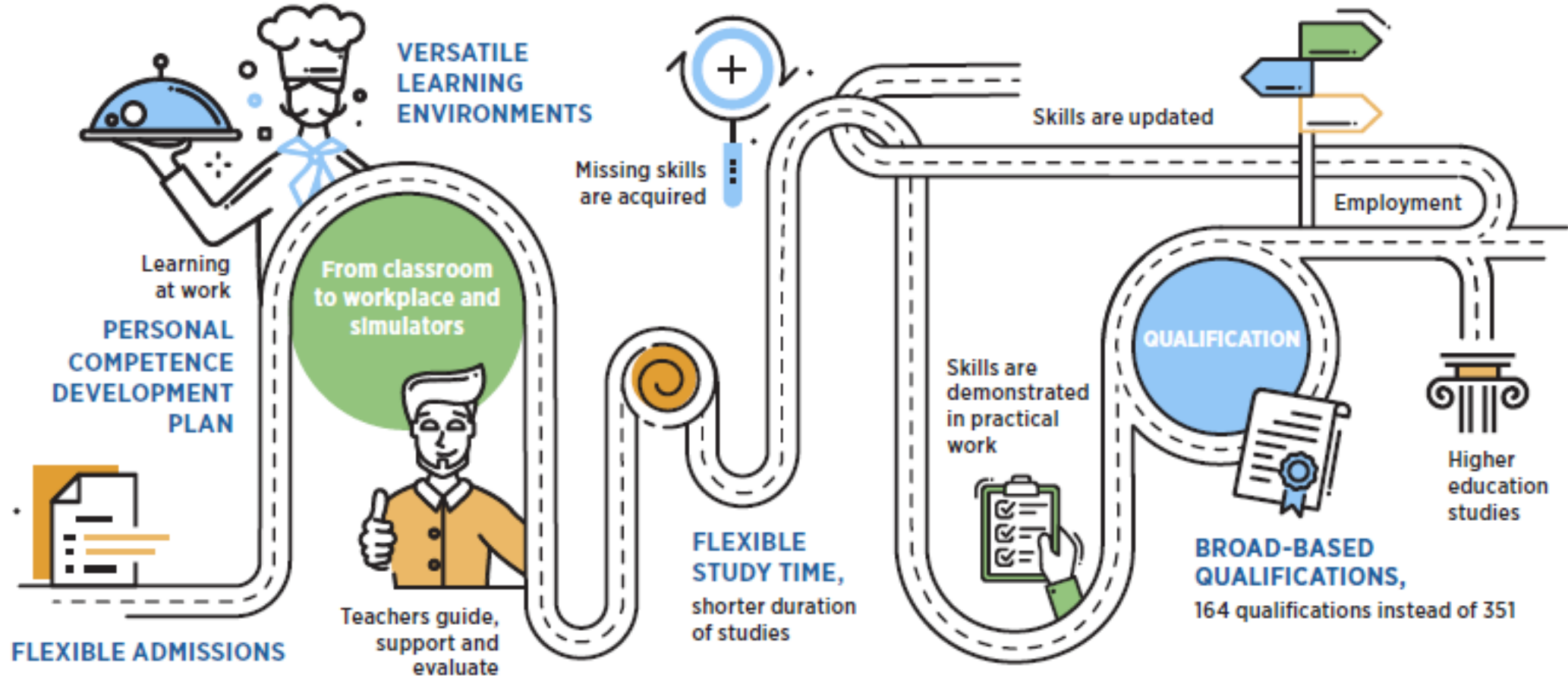
- Gaussian
 - Laudatur cum laude approbatur 5 %
 - Eximia cum laude approbatur 15 %
 - Magna cum laude approbatur 20 %
 - Cum laude approbatur 24 %
 - Lubenter approbatur 20 %
 - Approbatur 11 %
 - Improbatur 5 %
- Now corrected gaussian

Upper secondary qualifications



NEW VOCATIONAL EDUCATION AND TRAINING as of 1 January 2018

Working life is undergoing changes. New occupations keep on emerging and old ones disappear. Technology advances. Revenue models are renewed. Students' needs are becoming more and more individualistic. Skills need to be updated throughout careers.



FUNDING THAT ENCOURAGES EFFECTIVENESS

Students do not drop out, they complete their studies, obtain a vocational qualification, access employment or continue studying



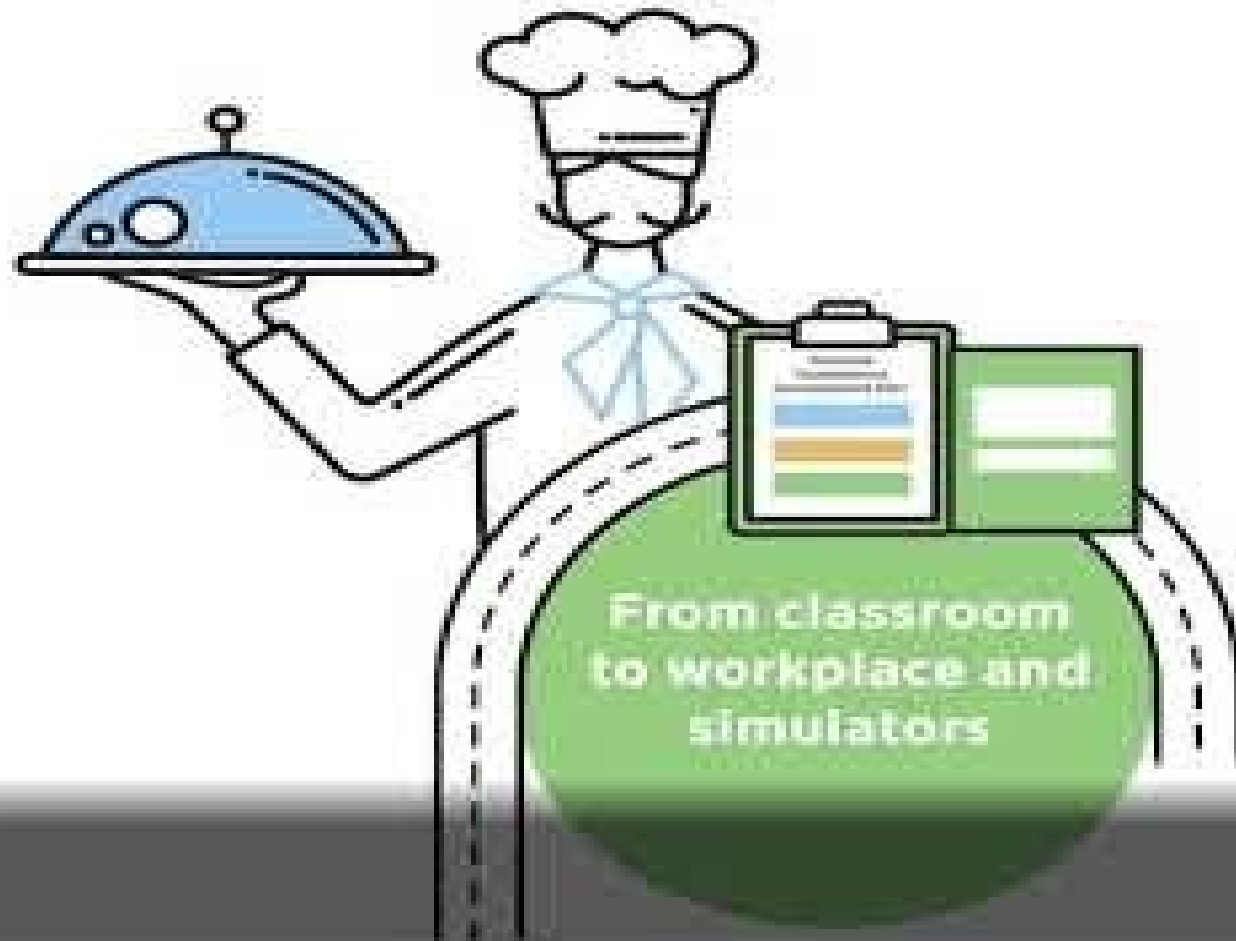
A SINGLE ACT, A SINGLE AUTHORISATION TO PROVIDE EDUCATION

No boundaries between young people and adults



LESS BUREAUCRACY AND MORE AUTHORITY

for education providers



Vocational upper secondary education



Qualification	Curriculum-based	Competence-based
Vocational qualification		
Further vocational qualification		
Specialist vocational qualification		



Vocational upper secondary education

- School-based

Qualification	Curriculum-based	Competence-based
Vocational qualification		
Further vocational qualification		
Specialist vocational qualification		

- Apprenticeship (or training agreement)

Qualification	Curriculum-based	Competence-based
Vocational qualification		
Further vocational qualification		
Specialist vocational qualification		

Vocational upper secondary education



Qualification	2017	2019
Vocational qualification	51	43
Further vocational qualification	172	65
Specialist vocational qualification	121	56

Modules and structures of the degree



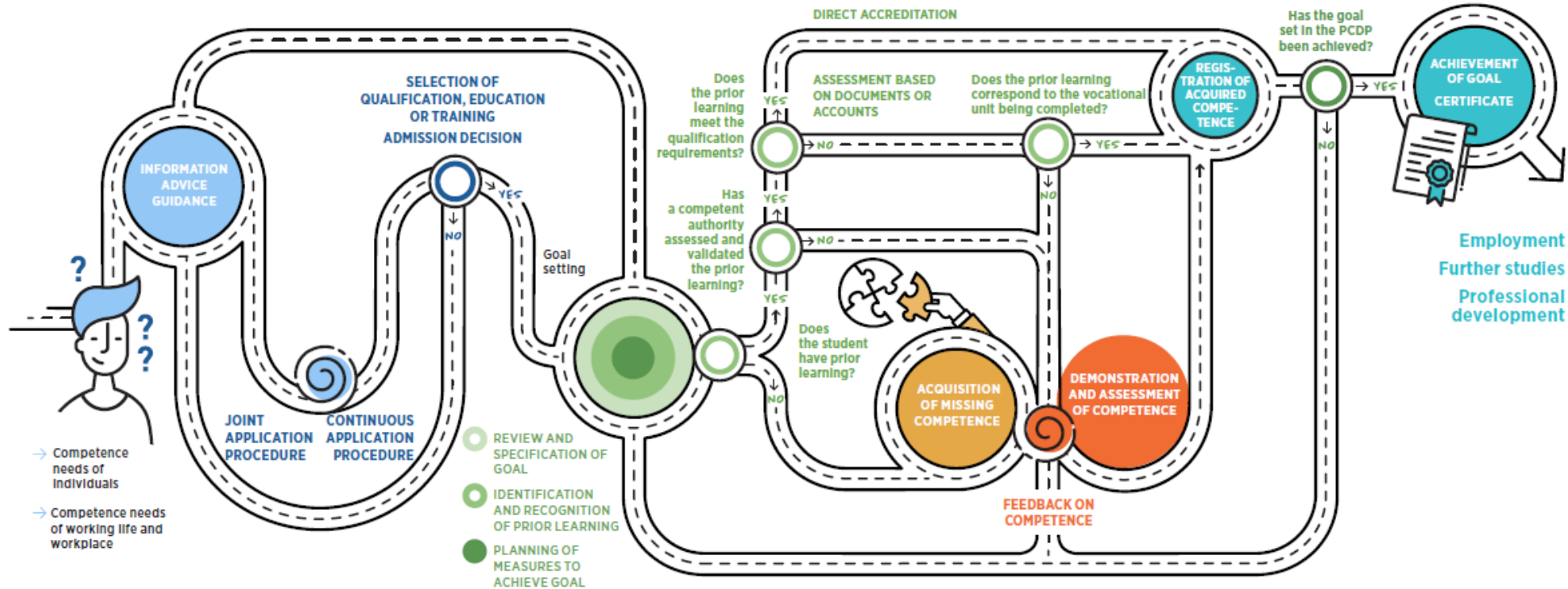
- An example:
- <https://eperusteet.opintopolku.fi/#/sv/esitys/3689879/reformi>

PERSONALISATION

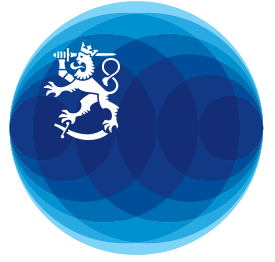


- APPLICATION PROCEDURE
- ADMISSION
- IDENTIFICATION AND RECOGNITION OF PRIOR LEARNING
- PLANNING OF COMPETENCE ACQUISITION AND DEMONSTRATION*
- ACQUIRING COMPETENCE
- DEMONSTRATION AND ASSESSMENT OF COMPETENCE
- VALIDATION OF COMPETENCE

Personal competence development plan = PCDP
 (drawing up, approval, monitoring, updating, career planning)
WHAT, HOW, WHERE, WHEN?



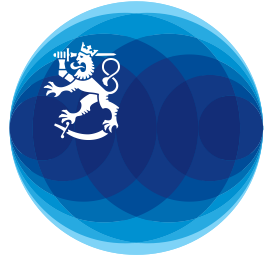
* agreements on training organised at workplace



Crossing the wall

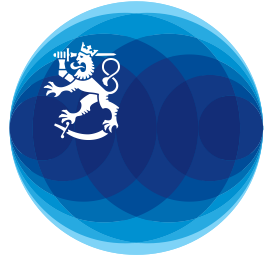
12.12.2018

Double and triple degrees



- Not really double & triple degrees
- Rather, doing two or three degrees simultaneously

Background



- Swedish model
 - VET and general upper secondary together
 - Ungdomsskola = Youth school
- Experiment in 1990s
 - Politically very contentious
 - Regional experiments
 - Very uneven participation
- Faith of the experiment
 - Polytechnics
 - Regional memory