

Employers' perception of university education

Help us train the professionals of the future!

The Catalan University Quality Assurance Agency (AQU Catalunya), in collaboration with the "La Caixa" Foundation, wants to find out the opinion of companies and organisations on how university education responds to their needs. That is why you will now be asked about the training of recent graduates and with little professional experience (in case you have hired them in the past few years), and about your interns (if you have taken any on). Your answers will help the university system improve its educational offering and adjust it to the needs of the job market.

This questionnaire should not take more than 5 minutes.

In addition, everyone who takes part in the survey will have the chance to enter a draw to win a Lenovo ThinkPad laptop (or equivalent) for their organisation.

You can check our privacy policy following this link. If you wish to stop receiving communications from us, please contact us at ocupadors@aqu.cat.

Thank you very much for your cooperation.

Important:

- The aim of this survey is to ask employers about the training of recent graduates and/or interns **grouped into university degree programmes**. In this sense, this survey classifies different degree programmes using the most detailed level of clustering found in [AQU Catalunya's programme catalogue](#) (7-digit discipline code). Furthermore, in questions 11 and 26, we classify the latter 7-digit discipline codes into ad hoc categories in order to link them to our list of programme-specific skills for these disciplines (a list of these skills can be found in Annex 2).
- The variables produced by each question are written in **(red, bold and within brackets)**.
- Mandatory questions are marked with an asterisc (*).

SECTION 1: YOUR ORGANISATION'S ECONOMIC SECTOR

1. What economic sector is your organisation in (according to the Catalan classification of economic activities, one-digit CCAE-09)? (ccae)

- | | |
|---|---|
| (1) A. Agriculture, livestock, forestry and fishing | (12) M. Professional, scientific and technical activities |
| (2) B. Mining and quarrying | (13) N. Administrative and support service activities |
| (3) C. Manufacturing | (14) O. Public administration |
| (4) D/E. Electricity, gas and water | (15) P. Education |
| (5) F. Construction | (16) Q. Health and social services |
| (6) G. Trade and repair of motor vehicles | (17) R. Artistic, recreational and entertainment activities |
| (7) H. Transport and storage | (18) S, T, U. Other |
| (8) I. Hospitality | |
| (9) J. Information and communications | |
| (10) K. Financial and insurance activities | |
| (11) L. Real estate activities | |

SECTION 2: RECRUITMENT AND SELECTION PROCESS FOR RECENT GRADUATES

In this section we ask you about issues related to the recruitment process for **recent graduates** (people who graduated from university within the two years prior to recruitment and therefore have little or no professional experience).

2. Have you hired recent graduates in the last three years? (cont_tit)*

- (1) Yes
- (2) No-> Go to question 24

3. In the selection process for recent graduates, was it important that they had a university degree? (selec_grau)

- (1) Yes, a specific bachelor's degree
- (2) Yes, any bachelor's degree
- (3) No
- (4) DK/DA

4. In the selection process for recent graduates, was it important that they had a master's degree? (selec_ma)

- (1) Yes, a specific master's degree
- (2) Yes, any master's degree
- (3) No
- (4) DK/DA

5. In the selection process for recent graduates, was it important that they had a doctorate? (selec_phd)

- (1) Yes
- (2) No
- (3) DK/DA

6. In the selection process for recent graduates, was their level of English important? (selec_eng)

- (1) Yes, a high level was required
- (2) Yes, an intermediate level was required
- (3) No
- (4) DK/DA

7. In the selection process for recent graduates, was their level of foreign languages (excluding English) important? (selec_lleng)

- (1) Yes, a high level was required
- (2) Yes, an intermediate level was required
- (3) No
- (4) DK/DA

8. Have you had difficulties in recruiting the right people for a particular job? (dif_cont)*

- (1) Yes
- (2) No -> Go to question 11
- (3) DK/DA -> Go to question 11

9. State the main reasons for the difficulty in recruitment (if necessary, you can choose more than one option)*

-> If option 1 checked, go to question 10. If option 1 not checked, go to question 11.

- (1) Lack of qualified people with the necessary skills for the job (dif1)
- (2) Lack of graduates in this field (dif2)
- (3) Unwillingness to be geographically mobile (dif3)
- (4) They do not accept the work schedule (dif4)
- (5) They do not accept the type of contract (dif5)
- (6) They do not accept the salary (dif6)

- (7) Limited resources prevent vacancies being properly advertised (**dif7**)
- (8) Other (specify) (**dif_oberta**)

10. You have indicated that you have had difficulties in recruiting staff due to a lack of qualified people with the necessary skills for the job. Can you specify which skills? (dif2_oberta**)**

SECTION 3: EDUCATION AND SKILLS

In this section we ask you about **the educational background of the recent graduates** you have recruited and ask for your **opinion** on their **skills**.

11. Which educational field do they come from mostly? (Choose only ONE option from among the different groups of degrees and answer for this case from here on). (camp_educ**)***

- | | | |
|--|--------------------------------------|--|
| (1) Design ->Go to question 12 | (2) Law -> Go to question 13 | (3) Tourism -> Go to question 20 |
| (4) Pharmacy ->-> Go to question 14 | (5) Biosciences -> Go to question 15 | (6) Psychology -> Go to question 16 |
| (7) Teaching -> Go to question 17 | (8) Pedagogy -> Go to question 20 | (9) Business and Economics -> Go to question 15 |
| (10) Media and Communications -> Go to question 15 | (11) Nursing -> Go to question 18 | (12) Medicine -> Go to question 18 |
| (13) Construction -> Go to question 15 | (14) ICT -> Go to question 15 | (15) Production Engineering -> Go to question 15 |

(16) If they do not come from any of these groups, please select one from this list: -> Go to question 19

If you selected Design (Q11=1) ->**12. The specialisation of your recent Design graduates is: (**camp_diss**)***

- (1) Graphic design -> Go to question 20
- (2) Product design -> Go to question 20
- (3) Interior design -> Go to question 20
- (4) Fashion design -> Go to question 20
- (5) DK/DA -> Go to question 20

13. These people are: (camp_dret**)***

- (1) Graduates of the Official Master's Degree in Legal Practice (lawyers) -> Respond regarding skills specific to legal practice; Go to question 20
- (2) Law graduates (without an Official Master's Degree in Legal Practice) -> Respond regarding skills specific to Law; Go to question 20
- (3) DK/DA -> Respond regarding skills specific to Law; Go to question 20

14. Your organisation is: (camp_farm**)***

- (1) A pharmacy-> Respond regarding skills specific to Pharmacies. Go to question 20
- (2) Industry -> Respond regarding skills specific to Biosciences; Go to question 20
- (3) Other-> Respond regarding generic skills; Go to question 21

15. What is the qualification in the field of [Enter answer to Question 11] of the recent graduates you have recruited? (Choose only ONE option from among the qualifications and answer for this case from here on).

The drop-down menu of programmes (7-digit discipline code) for each group mentioned in this question can be found at Annex 1.

If you have selected Biosciences (**camp_bio**) -> Annex 1, Biosciences drop-down list; Go to question 20

If you have selected Economics and Business (**camp_econ**) -> Annex 1, Business and Economics drop-down list; Go to question 20

If you have selected Media and Communications (**camp_com**) -> Annex 1, Media and Communications drop-down list; Go to question 20

If you have selected Construction (**camp_cons**) -> Annex 1, Construction drop-down list; Go to question 20

If you have selected ICT (**camp_tic**) -> Annex 1, ICT drop-down list; Go to question 20

If you have selected Production Engineering (**camp_eng**) -> Annex 1, Production Engineering drop-down list; Go to question 20

16. Classify your organisation into one of the following areas of psychology: (camp_psic**)**

- (1) Educational -> Go to question 20
- (2) Social -> Go to question 20
- (3) Clinical -> Go to question 20
- (4) Organisational -> Go to question 20
- (5) Other -> Go to question 20

17. Which is the qualification group of the recent graduates you have hired? (Choose only ONE option from among the different qualification groups and answer from this point onwards for this case). (camp_prof**)***

- (1) Early childhood and/or primary education (answer for early childhood and primary school teachers) -> Respond regarding skills specific to early childhood and primary school teachers; Go to question 20
- (2) Master's Degree in Teacher Training in Secondary and Upper Secondary Education, Vocational Training and Language Education (answer for secondary school teachers) -> Respond regarding skills specific to secondary school teachers; Go to question 20

18. Your organisation is: If Nursing checked (question 11=11) (camp_inf**); if Medicine checked (question 11=12) (**camp_med**)**

- (1) **Hospital** -> Go to question 20
- (2) Primary healthcare centre -> Go to question 20
- (3) Other -> Go to question 20

19. Which group of degrees do the recent graduates you have recruited come from? (Choose only ONE option from among the different degree groups and answer for this case from here on). (camp_educ2**)***

- (1) Humanities (**camp_human**) -> Annex 1, Humanities drop-down list; Go to question 21
- (2) Social Sciences and Law (**camp_soc**) -> Annex 1, Social Sciences and Law drop-down list; Go to question 21
- (3) Experimental Sciences (**camp_sci**) -> Annex 1, drop-down Experimental Sciences; Go to question 21
- (4) Health Sciences (**camp_sal**) -> Annex 1, Health Sciences drop-down list; Go to question 21
- (5) Engineering Sciences (**camp_eng2**) -> Annex 1, Engineering Sciences drop-down list; Go to question 21

20. Indicate the specific skills for [Enter answer to Question 11] that the recent graduates you have recruited should improve in their professional activity (select a minimum of 1 and a maximum of 5)

If Question 11=1 -> Go to Annex 2.1. Design. Resulting dummy variables
disseyen_esp1/disseyen_esp12

If Question 11=2 & Question 13=1 -> Go to Annex 2.2. Legal Practice. Resulting dummy variables
adv_esp1/adv_esp12

If Question 11=2 & Question 13=2|3 -> Go to Annex 2.3. Law. Resulting dummy variables
juridic_esp1/juridic_esp12

If Question 11=3 -> Go to Annex 2.4. Tourism. Resulting dummy variables
turisme_esp1/turisme_esp13

If Question 11=4 & Question 14=1 -> Go to Annex 2.5. Pharmacy. Resulting dummy variables
farm_esp1/farm_esp8

If Question 11=4 & Question 14=2 -> Go to Annex 2.6 Biosciences. Resulting dummy variables
bio_esp1/bio_esp12

If Question 11=5 -> Go to Annex 2.6 Biosciences. Resulting dummy variables **bio_esp1/bio_esp12**

If Question 11=6 -> Go to Annex 2.7. Psychology. Resulting dummy variables **psic_esp1/psic_esp11**

If Question 11=7 & Question 17=1 -> Go to Annex 2.8. Early Childhood and Primary School Teachers. Resulting dummy variables **prim_esp1/prim_esp17**

If Question 11=7 & Question 17=2-> Go to Annex 2.9 Secondary School Teachers. Resulting dummy variables **sec_esp1/sec_esp12**

If Question 11=8 -> Go to Annex 2.10. Pedagogy. Resulting dummy variables **ped_esp1/sec_esp13**

If Question 11=9 -> Go to Annex 2.11. Business and Economics. Resulting dummy variables
econ_esp1/econ_esp13

If Question 11=10 -> Go to Annex 2.12. Media and Communications. Resulting dummy variables
comun_esp1/comun_esp9

If Question 11=11 -> Go to Annex 2.13. Nursing. Resulting dummy variables **inf_esp1/inf_esp13**

If Question 11=12 -> Go to Annex 2.14. Medicine. Resulting dummy variables **med_esp1/med_esp10**

If Question 11=13 -> Go to Annex 2.15. Construction. Resulting dummy variables
const_esp1/const_esp10

If Question 11=14 -> Go to Annex 2.16. ICT. Resulting dummy variables **tic_esp1/tic_esp10**

If Question 11=15 -> Go to Annex 2.17 Production Engineering. Resulting dummy variables
engprod_esp1/engprod_esp13

-> Go to question 22

21. Indicate the generic skills in which the recent graduates you have recruited are best trained (select a minimum of 1 and a maximum of 5):

- (1) Theoretical training: knowledge of the specific field (**trans_mill1**)
- (2) Practical training: know-how in the specific field (**trans_mill2**)
- (3) Problem-solving and decision-making (**trans_mill3**)
- (4) Ability to analyse data (**trans_mill4**)
- (5) Ability to generate new ideas and solutions (**trans_mill5**)
- (6) Capacity for learning and self-learning (**trans_mill6**)
- (7) Independent work (determining their own tasks, methods, and time organisation) (**trans_mill7**)
- (8) Oral expression: ability to express ideas and results (**trans_mill8**)
- (9) Written expression: writing of emails, reports, etc. (**trans_mill9**)
- (10) Languages (**trans_mill10**)
- (11) Technological and digital skills (**trans_mill11**)
- (12) Ability to search for and manage information (**trans_mill12**)

- (13) Teamwork (**trans_mill13**)
- (14) Leadership (**trans_mill14**)
- (15) Negotiation skills (**trans_mill15**)
- (16) Responsibility at work (**trans_mill16**)

22. Rate your overall satisfaction with the skills of these people from 0 (not at all satisfied) to 10 (very satisfied) (sat_global**)***

23. (comp_futura**) What knowledge or skills do you think will become important in skilled occupations in your sector in the coming years? (Please be as explicit as possible) Open question. **Open question.****

SECTION 4: STUDENT INTERNS

In this section we ask you about university interns in your organisation and their area of education, and ask for your opinion on their skills.

24. In the last 3 years, have you taken on any university students as interns? (est_pract**)***

- (1) Yes
- (2) No -> Go to question 41.

25. Was a specific training plan created with the aim of improving the students' skills during the internship? (pract_pla**)**

- (1) Yes, very detailed.
- (2) Yes, as a guideline.
- (3) No
- (4) DK/DA

26. Which field of education do the interns you have taken on come from mostly? (Choose only ONE option from among the different groups of degrees and answer for this case from here on). (camp_educ_pract**)***

- | | | |
|--|--------------------------------------|--|
| (1) Design ->>Go to question 27 | (2) Law -> Go to question 28 | (3) Tourism -> Go to question 35 |
| (4) Pharmacy ->> Go to Question 29 | (5) Biosciences -> Go to question 30 | (6) Psychology -> Go to question 31 |
| (7) Teaching -> Go to question 32 | (8) Pedagogy -> Go to question 35 | (9) Business and Economics -> Go to question 30 |
| (10) Media and Communications -> Go to question 30 | (11) Nursing -> Go to question 33 | (12) Medicine -> Go to question 33 |
| (13) Construction -> Go to question 30 | (14) ICT -> Go to question 30 | (15) Production Engineering -> Go to question 30 |
- (16) If they do not come from any of these groups, please select one from this list: -> Go to question 34

27. The speciality of the Design student interns is: (camp_diss_pract**)***

- (1) Graphic design -> Go to question 35
- (2) Product design -> Go to question 35
- (3) Interior design -> Go to question 35

(4) Fashion design -> Go to question 35

(5) DK/DA -> Go to question 35

28. These people are: (camp_dret_pract)*

(1) Students from the Official Master's Degree in the Legal Profession -> Respond regarding skills specific to the legal profession; Go to question 35

(2) Students from the law degree (without an Official Master's Degree in the Legal Profession -> Respond regarding skills specific to Law; Go to question 35

(3) DK/DA -> Respond regarding skills specific to Law; Go to question 35

29. Your organisation is: (camp_farm_pract)*

(1) Pharmacy -> Respond regarding skills specific to Pharmacy; Go to question 35

(2) Industry -> Respond regarding skills specific to Biosciences; Go to question 35

(3) Other-> Respond regarding generic skills; Go to question 37

30. What degree in the field of [Enter answer to question 28] do the students you have taken on come from? (Choose only ONE option from among the qualifications and answer for this case from here on).*

The drop-down menu of programmes (7-digit discipline code) for each group mentioned in this question can be found at Annex 1.

If you selected Biosciences (camp_bio_pract) -> Annex 1, Biosciences drop-down list; Go to question 35

If you have selected Business and Economics (camp_econ_pract) -> Annex 1, Economics and Business drop-down list; Go to question 35

If you selected Media and Communications (camp_com_pract) -> Annex 1, Communication drop-down list; Go to question 35

If you have selected Construction (camp_cons_pract) -> Annex 1, Construction drop-down list; Go to question 35

If you have selected ICT (camp_tic_pract) -> Annex12, ICT drop-down list; Go to question 35

If you selected Production Engineering (camp_eng_pract) -> Annex 1, Production Engineering drop-down list; Go to question 35

31. Classify your organisation into one of the following fields of psychology: (camp_psic_pract)

(1) Educational -> Go to question 35

(2) Social -> Go to question 35

(3) Clinical -> Go to question 35

(4) Organisational -> Go to question 35

(5) Other -> Go to question 35

32. Which group of degrees corresponds to the interns you have taken on? (Choose only ONE option from among the different degree groups and answer from this point onwards for this case). (camp_prof_pract)*

(1) Early childhood and/or primary education (answer for undergraduate students of early childhood and/or primary education) -> Respond regarding skills specific early childhood and primary school teachers; Go to question 35

(2) Students from the Master's Degree in Compulsory Secondary Education and Baccalaureate, Vocational Training and Language Teaching -> Respond regarding skills specific to secondary school teachers; Go to question 35

33. Your organisation is : If Nursing checked (question 11=11) (**camp_inf_pract**); if Medicine checked (question 11=12) (**camp_med_pract**)

- (1) Hospital -> Go to question 35
- (2) Primary healthcare centre -> Go to question 35
- (3) Other -> Go to question 35

34. Which group of degrees do the recent graduates you have taken on come from? (Choose only ONE option from among the different groups of degrees and answer for this case from here on). (camp_educ2_pract)*

- (1) Humanities (**camp_human_pract**) -> Annex 1, Humanities drop-down list; Go to question 37
- (2) Social Sciences and Law (**camp_soc_pract**) -> Annex 1, Social Sciences and Law drop-down list; Go to question 37
- (3) Experimental Sciences (**camp_sci_pract**) -> Annex 1, drop-down Experimental Sciences; Go to question 37
- (4) Health Sciences (**camp_sal_pract**) -> Annex 1, Health Sciences drop-down list; Go to question 37
- (5) Engineering Sciences (**camp_eng2_pract**) -> Annex 1, Engineering Sciences drop-down list; Go to question 37

35. Which skills did these students put into practice the most during the internship period? (Choose a minimum of 1 and a maximum of 5)

If Question 26=1 -> Go to Annex 2.1. Design. Resulting dummy variables
diseny_practica1/diseny_practica12

If Question 26=2 & Question 13=1 -> Go to Annex 2.2. Legal Practice. Resulting dummy variables
adv_practica1/adv_practica12

If Question 26=2 & Question 13=2|3 -> Go to Annex 2.3. Law. Resulting dummy variables
juridic_practica1/juridic_practica12

If Question 26=3 -> Go to Annex 2.4. Tourism. Resulting dummy variables
turisme_practica1/turisme_practica13

If Question 26=4 & Question 14=1 -> Go to Annex 2.5. Pharmacy. Resulting dummy variables
farm_practica1/farm_practica8

If Question 26=4 & Question 14=2 -> Go to Annex 2.6 Biosciences. Resulting dummy variables
bio_practica1/bio_practica12

If Question 26=5 -> Go to Annex 2.6 Biosciences. Resulting dummy variables
bio_practica1/bio_practica12

If Question 26=6 -> Go to Annex 2.7. Psychology. Resulting dummy variables
psic_practica1/psic_practica11

If Question 26=7 & Question 17=1 -> Go to Annex 2.8. Early Childhood and Primary School Teachers. Resulting dummy variables
prim_practica1/prim_practica17

If Question 26=7 & Question 17=2 -> Go to Annex 2.9 Secondary School Teachers. Resulting dummy variables
sec_practica1/sec_practica12

If Question 26=8 -> Go to Annex 2.10. Pedagogy. Resulting dummy variables
ped_practica1/sec_practica13

If Question 26=9 -> Go to Annex 2.11. Business and Economics. Resulting dummy variables
econ_practica1/econ_practica13

If Question 26=10 -> Go to Annex 2.12. Media and Communications. Resulting dummy variables
comun_practica1/comun_practica9

If Question 26=11 -> Go to Annex 2.13. Nursing. Resulting dummy variables **inf_practica1/inf_practica13**

If Question 26=12 -> Go to Annex 2.14. Medicine. Resulting dummy variables **med_practica1/med_practica10**

If Question 26=13 -> Go to Annex 2.15. Construction. Resulting dummy variables **const_practica1/const_practica10**

If Question 26=14 -> Go to Annex 2.16. ICT. Resulting dummy variables **tic_practica1/tic_practica10**

If Question 26=15 -> Go to Annex 2.17 Production Engineering. Resulting dummy variables **engprod_practica1/engprod_practica13**

36. Which skills should be worked on more during university training? (Choose a minimum of 1 and a maximum of 5)

If Question 26=1 -> Go to Annex 2.1. Design. Resulting dummy variables **disseny_tre1/disseny_tre12**

If Question 26=2 & Question 13=1 -> Go to Annex 2.2. Legal Practice. Resulting dummy variables **adv_tre1/adv_tre12**

If Question 26=2 & Question 13=2|3 -> Go to Annex 2.3. Law. Resulting dummy variables **juridic_tre1/juridic_tre12**

If Question 26=3 -> Go to Annex 2.4. Tourism. Resulting dummy variables **turisme_tre1/turisme_tre13**

If Question 26=4 & Question 14=1 -> Go to Annex 2.5. Pharmacy. Resulting dummy variables **farm_tre1/farm_tre8**

If Question 26=4 & Question 14=2 -> Go to Annex 2.6 Biosciences. Resulting dummy variables **bio_tre1/bio_tre12**

If Question 26=5 -> Go to Annex 2.6 Biosciences. Resulting dummy variables **bio_tre1/bio_tre12**

If Question 26=6 -> Go to Annex 2.7. Psychology. Resulting dummy variables **psic_tre1/psic_tre11**

If Question 26=7 & Question 17=1 -> Go to Annex 2.8. Early Childhood and Primary School Teachers. Resulting dummy variables **prim_tre1/prim_tre17**

If Question 26=7 & Question 17=2-> Go to Annex 2.9 Secondary School Teachers. Resulting dummy variables **sec_tre1/sec_tre12**

If Question 26=8 -> Go to Annex 2.10. Pedagogy. Resulting dummy variables **ped_tre1/sec_tre13**

If Question 26=9 -> Go to Annex 2.11. Business and Economics. Resulting dummy variables **econ_tre1/econ_tre13**

If Question 26=10 -> Go to Annex 2.12. Media and Communications. Resulting dummy variables **comun_tre1/comun_tre9**

If Question 26=11 -> Go to Annex 2.13. Nursing. Resulting dummy variables **inf_tre1/inf_tre13**

If Question 26=12 -> Go to Annex 2.14. Medicine. Resulting dummy variables **med_tre1/med_tre10**

If Question 26=13 -> Go to Annex 2.15. Construction. Resulting dummy variables **const_tre1/const_tre10**

If Question 26=14 -> Go to Annex 2.16. ICT. Resulting dummy variables **tic_tre1/tic_tre10**

If Question 26=15 -> Go to Annex 2.17 Production Engineering. Resulting dummy variables **engprod_tre1/engprod_tre13**

-> Go to question 39

37. Which generic skills did these students put into practice most during the internship? (Select a minimum of 1 and a maximum of 5)

(1) Theoretical training: knowledge of the specific field (**trans_practica1**)

(2) Practical training: know-how in the specific field (**trans_practica2**)

(3) Problem-solving and decision-making (**trans_practica3**)

- (4) Ability to analyse data **(trans_practica4)**
- (5) Ability to generate new ideas and solutions **(trans_practica5)**
- (6) Capacity for learning and self-learning **(trans_practica6)**
- (7) Independent work (determining their own tasks, methods and time organisation) **(trans_practica7)**
- (8) Oral expression: ability to express ideas and results **(trans_practica8)**
- (9) Written expression: writing of emails, reports, etc. **(trans_practica9)**
- (10) Languages **(trans_practica10)**
- (11) Technological and digital skills **(trans_practica11)**
- (12) Ability to search for and manage information **(trans_practica12)**
- (13) Teamwork **(trans_practica13)**
- (14) Leadership **(trans_practica14)**
- (15) Negotiation skills **(trans_practica15)**
- (16) Responsibility at work **(trans_practica16)**

38. Which generic skills should be worked on more during university training? (Choose a minimum of 1 and a maximum of 5)

- (1) Theoretical training: knowledge of the specific field **(trans_tre1)**
- (2) Practical training: know-how in the specific field **(trans_tre2)**
- (3) Problem-solving and decision-making **(trans_tre3)**
- (4) Ability to analyse data **(trans_tre4)**
- (5) Ability to generate new ideas and solutions **(trans_tre5)**
- (6) Capacity for learning and self-learning **(trans_tre6)**
- (7) Independent work (determining their own tasks, methods and time organisation) **(trans_tre7)**
- (8) Oral expression: ability to express ideas and results **(trans_tre8)**
- (9) Written expression: writing of emails, reports, etc. **(trans_tre9)**
- (10) Languages **(trans_tre10)**
- (11) Technological and digital skills **(trans_tre11)**
- (12) Ability to search for and manage information **(trans_tre12)**
- (13) Teamwork **(trans_tre13)**
- (14) Leadership **(trans_tre14)**
- (15) Negotiation skills **(trans_tre15)**
- (16) Responsibility at work **(trans_tre16)**

39. Rate your overall satisfaction with the skills of the interns you have taken on from 0 (not at all satisfied) to 10 (very satisfied) **(sat_pract1)**

40. Rate your level of satisfaction with the university/internship service in the process of hosting interns from 0 (not at all satisfied) to 10 (very satisfied) **(sat_pract2)**

SECTION 5: CONTACT DETAILS

41. If AQU Catalunya wants conduct further work on these issues, will you be willing to collaborate? **(col_aqu)**

- (1) Yes
- (2) No -> Go to question 43

42. If you have no objections,

could you please give us your name and surname?

(nom)



Could you please provide your e-mail address? **(correu)**

SECTION6: DRAW

43. State whether you would like to enter the draw to win a Lenovo ThinkPad laptop (or equivalent) for your organization. You can find the terms and conditions for the draw at this link. **(sorteig)**

- (1) Yes -> Go to question 44
- (2) No -> Survey ends

44. If you answered yes, please provide us with your contact details:

Company/organisation name..... **(sorteig_nom)**
Contact email address..... **(sorteig_email)**
Contact telephone number..... **(sorteig_telf)**

Thank you very much for completing the survey.

ANNEX 1: DROP-DOWN MENU FOR DEGREE PROGRAMMES MENTIONED IN QUESTIONS 15, 19, 26 AND 30.

Degree area/group	Drop-down	7-digit code
Economics and business (camp_econ)	Economics	2010101
	Accountancy and Finance	2010205
	Business Administration and Management	2010201
	Marketing and Market Research	2010202
	Business Sciences	2010203
	Business International Management	2010204
Biosciences (camp_bio)	Biology	3010101
	Biochemistry	3010102
	Biotechnology	3010103
	Microbiology	3010104
	Pharmacy	4030201
	Biomedical Sciences	4030202
	Genetics	3010105
Media and Communications (camp_com)	Audiovisual Communication	2030101
	Journalism	2030102
	Advertising and Public Relations	2030103
Construction (camp_cons)	Architecture	5010101
	Architectural Technology and Building Construction	5010201
	Mining Engineering	5010301
	Public Works Engineering	5010302
	Geomatics Engineering and Topography	5010303
	Civil Engineering	5010401
	Geological Engineering	5010402
ICT (camp_tic)	Telecommunication Systems Engineering	5030101
	Electronic Systems Engineering	5030102
	Telematics Engineering	5030103
	Telecommunications Technologies and Services Engineering	5030104
	Engineering in Information and Communication Technology Management	5030105
	Audiovisual Systems	5030106
	Informatics Engineering	5030201
	ICT Systems Engineering	5030202
	Multimedia Engineering	5030203
	Geomatics Engineering and Geoinformation	5030204

	Bioinformatics	5030205
Production Engineering (camp_eng)	Marine Technology	5020101
	Nautical Science and Shipping	5020102
	Systems Engineering and Naval Technology	5020103
	Aerospace Technology Engineering	5020201
	Aerospace Systems Engineering	5020202
	Aerospace Vehicle Engineering	5020203
	Pilot	5020204
	Aeronautical Management	5020205
	Electrical Engineering	5020301
	Industrial Electronics and Automatic Control Engineering	5020302
	Energy Engineering	5020303
	Engineering in Industrial Design	5020401
	Mechanical Engineering	5020402
	Mechatronics Engineering	5020403
	Chemical Engineering	5020501
	Textile Engineering	5020502
	Materials Engineering	5020503
	Industrial Technology Engineering	5020601
	Engineering in Industrial Organization	5020602
Experimental Sciences (camp_sci)	Biology	3010101
	Biochemistry	3010102
	Biotechnology	3010103
	Microbiology	3010104
	Environmental Sciences	3010201
	Geology	3010202
	Marine Science	3010203
	Chemistry	3020101
	Oenology	3020102
	Physics	3020201
	Mathematics	3020202
	Statistics	3020203
	Genetics	3010105
Social Sciences and Law (camp_soc)	Economics	2010101
	Accountancy and Finance	2010205
	Business Administration and Management	2010201
	Marketing and Market Research	2010202
	Business Sciences	2010203

	Business International Management	2010204
	Tourism	2010301
	Law	2020101
	Criminology	2020201
	Labour Relations	2020202
	Labour Studies	2020203
	Hazard Prevention and Occupational Safety	2020204
	Public Management and Administration	2020301
	Political and Administrative Sciences	2020302
	Sociology	2020401
	Social and Cultural Anthropology	2020402
	Geography	2020403
	Audiovisual Communication	2030101
	Journalism	2030102
	Advertising and Public Relations	2030103
	Information and Documentation	2030201
	Teaching: Early Childhood	2040101
	Teaching: Primary Education	2040102
	Pedagogy	2040201
	Psychopedagogy	2040202
	Teacher training	2040107
	Social Work	2050101
	Social Education	2050102
	Social and Organisational Psychology	2050201
Engineering Sciences (camp_eng2)	Architecture	5010101
	Architectural Technology and Building Construction	5010201
	Mining Engineering	5010301
	Public Works Engineering	5010302
	Geomatics Engineering and Topography	5010303
	Civil Engineering	5010401
	Geological Engineering	5010402
	Marine Technology	5020101
	Nautical Science and Shipping	5020102
	Systems Engineering and Naval Technology	5020103
	Aerospace Technology Engineering	5020201
	Aerospace Systems Engineering	5020202
	Aerospace Vehicle Engineering	5020203

	Pilot	5020204
	Aeronautical Management	5020205
	Electrical Engineering	5020301
	Industrial Electronics and Automatic Control Engineering	5020302
	Energy Engineering	5020303
	Engineering in Industrial Design	5020401
	Mechanical Engineering	5020402
	Mechatronics Engineering	5020403
	Chemical Engineering	5020501
	Textile Engineering	5020502
	Materials Engineering	5020503
	Industrial Technology Engineering	5020601
	Engineering in Industrial Organization	5020602
	Telecommunication Systems Engineering	5030101
	Electronic Systems Engineering	5030102
	Telematics Engineering	5030103
	Telecommunications Technologies and Services Engineering	5030104
	Engineering in Information and Communication Technology Management	5030105
	Audiovisual Systems	5030106
	Informatics Engineering	5030201
	ICT Systems Engineering	5030202
	Multimedia Engineering	5030203
	Geomatics Engineering and Geoinformation	5030204
	Bioinformatics	5030205
	Agricultural, Environmental and Landscape Engineering	5040101
	Agricultural and Food Engineering	5040102
	Food Science and Technology	5040201
	Forest Engineering	5040103
Humanities (camp_human)	History	1010101
	Art History	1010102
	Musicology	1010103
	East Asian Studies	1010104
	Archeology	1010105
	Philosophy	1010201
	Humanities	1010202
	Linguistics	1020101
	Literary Studies	1020102

	Classical Philology	1020103
	Romance Philology	1020104
	Catalan Language and Literature	1020201
	Spanish (Hispanic) Language and Literature	1020202
	English Studies	1020301
	Translation and Interpreting	1020302
	Translation and Interpreting: German	1020303
	Translation and Interpreting: English	1020304
	Translation and Interpreting: French	1020305
	Arabic and Hebrew Studies	1020306
	Fine Arts	1030101
	Design	1030201
	Conservation and Restoration of Cultural Heritage	1030202
	Drama and Dance (Performing Arts)	1030203
	Music	1030204
	Italian Studies	1020307
	Galician Studies	1020308
	Portuguese Studies	1020309
	Slavic Studies	1020310
Health Sciences (camp_sal)	Physiotherapy	4010303
	Physical Activity and Sports Sciences	4010102
	Human Nutrition and Dietetics	4010103
	Nursing	4010201
	Optics and Optometry	4010301
	Podiatry	4010302
	Psychology	4020101
	Occupational Therapy	4020201
	Speech-Language Pathology	4020202
	Medicine	4030101
	Dentistry	4030102
	Pharmacy	4030201
	Biomedical Sciences	4030202
	Veterinary Science	5040202

ANNEX 2: SPECIFIC SKILLS

2.1. Design

- (1) Ability to evaluate, create, or apply conceptual visual representations.
- (2) Creativity, speculative approach; open-minded thinking, receptive to provocative ideas, open to unexpected outcomes.
- (3) Ability to fluently address members of a given culture (command of the language, symbols and signs of a given culture).
- (4) Articulation of the ethical components associated with cultural productions.
- (5) Ability to understand the client's demands and design them correctly.
- (6) Ability to execute products: prototypes, models, proposals.
- (7) Technical skills specific to design (methods, techniques, materials).
- (8) Transmedia or multimedia: ability to design in different media (print, written/typographic, graphic, packaging, emerging media).
- (9) Use of activity-specific software
- (10) Data analysis and visualisation techniques.
- (11) Presentation of project processes and results.
- (12) Ability to enrich the design process through theoretical and practical research.

2.2. Legal Profession

- (1) Ability to apply the knowledge acquired in law studies to legal defence or through alternative methods to legal proceedings.
- (2) Ability to choose a strategy for the defence of the client's interests.
- (3) Knowledge of techniques for establishing the facts in proceedings.
- (4) Knowledge of lawyer's deontological rights and duties.
- (5) Knowledge of how to apply the procedures for determining, invoicing and settling fees and expenses associated with professional activity.
- (6) Knowledge of how to identify conflicts of interest and the techniques for resolving them, as well as the scope of professional secrecy and confidentiality.
- (7) Customer focus: Ability to create a good relationship with clients.
- (8) Effective communication with people with no legal training.
- (9) Ability to recognise legal ambiguity and deal with legal uncertainty.
- (10) Knowledge of the responsibilities linked to the exercise of professional activity and how free legal aid works.
- (11) Knowledge of the legal, managerial and commercial environment of the legal profession.
- (12) Knowledge of the principles and values of law, justice and ethics.

2.3. Law

- (1) Knowledge of the legal, organisational, resource planning, management and commercial environment of the profession.
- (2) Application of the procedures for determining, invoicing and settling fees and expenses associated with professional activity.
- (3) Intellectual independence, including the ability to ask and answer cogent questions about the law and legal systems.
- (4) Pursuit of continuous improvement: effective use of feedback, willingness to recognise and correct errors.
- (5) Knowledge and understanding of theories, concepts, values, principles and norms of public and private law in the institutional, societal, national and global contexts.

- (6) Ability to work with a variety of data (textual, numerical and statistical).
- (7) Ability to recognise legal ambiguity and deal with legal uncertainty.
- (8) Ability to summarise and make a reasoned choice between alternative solutions.
- (9) Ability to identify conflicts of interest and the techniques for resolving them, and also the scope of professional secrecy and confidentiality.
- (10) Customer focus: ability to build rapport with clients.
- (11) Effective communication with people with no legal training.
- (12) Knowledge of the principles and values of law, justice and ethics.

2.4. Pharmacy

- (1) Ability to prepare magistral formulae and officinal formulae.
- (2) Ability to supply and dispense medicinal products and other health products.
- (3) Ability to provide therapeutic advice in pharmacotherapy and diet therapy.
- (4) Control of products and materials, invoicing and documentation in the pharmacy.
- (5) Ability to procure, store and conserve medicines and medical devices.
- (6) Management of expiry dates and disposal of waste medicines and medical devices.
- (7) Ability to participate in health promotion and disease prevention activities.
- (8) Knowledge of legislation governing the prescribing, distribution and dispensing of medicines.

2.5. Tourism

- (1) Recognition of the main actors directly involved in shaping the tourism market.
- (2) Application of management and administration principles in tourism organisation/activity.
- (3) Excellent relations with consumers of tourism products and services.
- (4) Analytical ability to interpret data.
- (5) Knowledge of all aspects of the product/service, its production and sales processes.
- (6) Ability to understand the multicultural dimension of tourism.
- (7) Compilation and analysis of tourism business/activity management results.
- (8) Understanding of the spatial, social, cultural, legal, political, labour and economic impacts of tourism.
- (9) Concern for the continuous improvement of tourism service processes.
- (10) Ability to work in complex, intense and unforeseen situations.
- (11) An interdisciplinary perspective of the sector and of the necessary economic, social and environmental sustainability.
- (12) Analytical ability to understand the behaviour and trends of demand in the sector.
- (13) Identification of the potential of a tourism product, service or resource.

2.6. Biosciences

- (1) Ability to apply a scientific approach to problem solving using the scientific method.
- (2) Ability to organise, analyse and interpret experimental results from a statistical point of view.
- (3) Use of statistical software to process complex data.
- (4) Use of different bioinformatics tools to extract information from databases in relation to biologically active molecules.
- (5) Knowledge of laboratory instrumentation, and safe application of experimental protocols and methodologies.

- (6) Knowledge of the fundamentals of genetic engineering and application of the methodology used in the genetic modification of organisms for industrial use or biomedical research.
- (7) Ability to apply knowledge of the fundamentals of biological sciences (energy and matter flows, regulation and/or association in biological systems) to the design of cell-based assays, to animal models, or to biotechnological processes.
- (8) Knowledge of current legislation on the ethical or sustainability implications of the design and use of genetically modified organisms and the use of animal models or other laboratory work.
- (9) Ability to plan, draft, implement and/or coordinate research, development and innovation projects.
- (10) Integration of knowledge in a professional research environment.
- (11) Ability to advise on issues related to the main areas of application and technologies in the field of biosciences.
- (12) Application of professional values in the field of biosciences.

2.7. Psychology

- (1) Professional practice based on scientific foundations.
- (2) Integration of advances in psychology into professional practice and keeping up to date.
- (3) Ability to extensively integrate existing multiple perspectives of psychology research into professional practice.
- (4) Detection and assessment of people's needs.
- (5) Intervention with people in different areas (clinical, educational, occupational, legal, etc.).
- (6) Ability to analyse and interpret quantitative and qualitative data in different areas of intervention.
- (7) Self-critical thinking and capacity for introspection and optimal degree of self-knowledge.
- (8) Critical reading of scientific literature.
- (9) Ability to act in an ethical manner in accordance with the code of ethics of the psychology profession.
- (10) Good communication/interpersonal skills (empathy, active listening, assertiveness, teamwork and team management, strategic vision and high decision-making capacity).
- (11) Interest in and/or motivation regarding human behaviour in general.

2.8 Early childhood and primary school teachers

- (1) Catalan Language
- (2) Spanish Language
- (3) Foreign language
- (4) Mathematics
- (5) Science and Technology
- (6) Social and Natural Sciences
- (7) Music, Art and Physical Education
- (8) Design and evaluation of teaching-learning processes.
- (9) Pedagogical innovation and educational research
- (10) Ability to manage the classroom
- (11) Conducting interviews with families
- (12) Detection and action in difficult situations (learning, socio-familial...)
- (13) Ability to build trust
- (14) Personal balance (stress management, time management skills, self-control and management of one's emotions, etc.)
- (15) Ability to work with computer tools specific to teaching

- (16) Commitment to promoting values and respect among students
- (17) Ability to design and regulate learning spaces in contexts of diversity and that address students' unique educational needs, gender equality, equity and respect for human rights.

2.9. Secondary school teachers

- (1) Knowledge required to teach other subjects related to the field of knowledge (degree, discipline).
- (2) Basic psycho-pedagogical knowledge (psychological development of students, motivation, etc.).
- (3) Design and evaluation of teaching-learning processes.
- (4) Pedagogical innovation and educational research.
- (5) Classroom management skills.
- (6) Conducting interviews with families.
- (7) Detecting and taking action in difficult situations (learning, social and family, etc.).
- (8) Ability to build trust.
- (9) Personal balance (stress management, time management skills, self-control and management of one's own emotions, etc.).
- (10) Ability to work with IT tools specific to teaching.
- (11) Commitment to promoting values and respect among students.
- (12) Ability to design and regulate learning spaces in contexts of diversity and that address students' unique educational needs, gender equality, equity and respect for human rights.

2.10. Pedagogy

- (1) Design, develop and evaluate educational/training programmes, projects and actions adapted to different contexts.
- (2) Generate interest among groups to promote participation and learning in educational/training situations.
- (3) Coordinate centres, teams and people involved in educational/training projects.
- (4) Evaluate educational policies, institutions and systems.
- (5) Supervise education and training centres and professionals.
- (6) Pedagogical innovation and educational research.
- (7) Diagnose people's development needs and possibilities as the basis for the implementation of educational and training measures.
- (8) Guide and accompany people in their decision-making and the achievement of their objectives.
- (9) Advise individuals, groups and organisations in the field of education/training.
- (10) Knowledge of what mediation is, how to implement it, its legislative framework and the skills of mediators.
- (11) Analyse, recognise and improve one's own professional and socio-emotional skills.
- (12) Make advanced use of information and communication technologies specific to educational and training contexts.
- (13) Adopt an ethical attitude and behaviour and act in accordance with the deontological principles of the profession.

2.11. Business and Economics

- (1) Project management skills.
- (2) Planning and control of the assigned budget.
- (3) Ability to lead and manage teams.
- (4) Ability to withstand stress.

- (5) Capacity for self-control: being able to control emotions appropriately even in emotionally demanding situations.
- (6) Results orientation: ability to focus actions and decisions on the project's goals.
- (7) Perseverance: sticking to the chosen approach until the intended results are achieved.
- (8) Persuasiveness: ability to present ideas, views or plans in a convincing manner.
- (9) Networking: making and maintaining contacts and cooperating with others.
- (10) Customer focus: ability to ascertain clients' needs and wishes.
- (11) Ability to process, manipulate and present data with office tools.
- (12) Ability to set objectives and priorities (time management).
- (13) Knowledge of risk management.

2.12. Media and Communications

- (1) Ability and skill to devise, plan, design and execute communication projects (from technical and content to formal and aesthetic aspects).
- (2) Ability to read and analyse texts, data, statistics and specialised documents on any relevant topic.
- (3) Capacity and ability to present ideas and arguments in a reasoned manner (rhetorical skills and mastery of argumentation techniques).
- (4) Ability to design, plan and manage communication companies.
- (5) Ability to devise, plan and execute persuasive communication campaigns.
- (6) Ability to use and create journalistic communication structures, contents and styles.
- (7) Knowledge of research techniques relevant to the field of communication, at both the professional and academic levels.
- (8) Knowledge of professional ethics and deontology.
- (9) Ability to communicate effectively, taking into account the political, economic and social context.

2.13. Nursing

- (1) Ability to base nursing interventions on scientific evidence.
- (2) Ability to perform the main nursing techniques and procedures
- (3) Provision of nursing care on the basis of holistic care for individuals, families or groups.
- (4) Ability to act taking into account gender and/or socio-cultural differences.
- (5) Ability to implement health promotion and protection actions.
- (6) Ability to conduct research.
- (7) Ability to make good nursing assessments of patients and to plan and carry out appropriate interventions.
- (8) Adequate management of available resources without generating unnecessary expenses.
- (9) Ability to communicate effectively with patients and their relatives and to show empathy.
- (10) Respect for the right to participation, information and autonomy and for the informed consent of patients.
- (11) Ability to critically assess professional activities and search for continuous improvement.
- (12) Implementation of professional nursing values (ethics, bioethics, etc.).

2.14. Medicine

- (1) Medical practice based on scientific evidence.
- (2) Diagnosis, prognosis and treatment of patients.
- (3) Ability to promote and implement health prevention and protection.

- (4) Knowledge of the principles of the organisation of health systems in the relevant field and level.
- (5) Management of uncertainty in clinical practice.
- (6) Adequate management of available resources without generating unnecessary expenses.
- (7) Ability to communicate effectively with patients and their relatives and to show empathy.
- (8) Respect for the right to participation, information and autonomy and for the informed consent of patients.
- (9) Ability to critically assess professional activities and search for continuous improvement.
- (10) Implementation of professional medical values (ethics, bioethics, etc.).

2.15. Construction

- (11) Knowledge and application of town planning regulations (acquisition, sale, use and development of land, site control, legal planning, health and safety, etc.).
- (12) Drafting of construction or renovation projects and preliminary projects.
- (13) Carrying out technical activities such as calculations, measurements, evaluations, appraisals and economic feasibility studies.
- (14) Representation of spaces and objects.
- (15) Design of works, considering both functional and aesthetic aspects of buildings, spaces, etc.
- (16) Ability to manage construction or renovation projects.
- (17) Financial management and control of projects.
- (18) Drafting of occupational health and safety studies and plans.
- (19) Coordination of the companies involved, both in the project and execution phases.
- (20) Carrying out building energy efficiency analyses, evaluations and certifications and sustainability studies.
- (21) Competence in the use of digital information systems (e.g. BIM and GIS).
- (22) Ability to lead and manage teams.

2.16. ICT

- (1) Definition of system requirements (feasibility studies).
- (2) Software: knowledge of the basics of programming.
- (3) Ability to model, design and simulate ICT systems.
- (4) Critical evaluation and testing: ability to assess whether a system meets the criteria defined for its use.
- (5) Cybersecurity: ability to specify, design and build reliable and secure IT systems.
- (6) Ability to plan and manage projects.
- (7) Professional ethics and understanding of the laws relating to the field of ICT.
- (8) Cloud computing: ability to design and develop cloud applications.
- (9) Adaptability and data analysis: ability to collect, debug, manipulate, analyse and extract useful information from databases.
- (10) Virtual systems: ability to deploy virtual systems for applications, desktops, servers, etc.

2.17. Production and Logistics Engineering

- (1) Plan, map out, calculate, design and execute technical actions in a given field of specialisation.
- (2) Manage, organise and oversee multidisciplinary teams, especially in multilingual environments.
- (3) Manage different environments both technically and financially.
- (4) Apply knowledge and solve problems in new and unfamiliar environments.



AQU CATALUNYA

- (5) Integrate knowledge and make judgements based on incomplete or limited data.
- (6) Use software that is specific to the professional activity performed.
- (7) Ensure occupational safety by anticipating risks and preventing them.
- (8) Manage the environmental and social risks of the solutions adopted.
- (9) Communicate effectively with people without technical training.
- (10) Promote quality in the organisation, its customers and suppliers.
- (11) Offer objective solutions while under the constraints and pressures of differing interests.
- (12) Manage research, development and technological innovation.
- (13) Harness science and technology to improve the level of well-being in society.